

KWT<sup>®</sup>



2022 A  
Ver 9.0.0



King watt is a lighting manufacturer specialized in LED Downlights, track lights, Surfacemounted, recessed Lights, Magnet lights, Linear lights, professional education lights,outdoor flood lights,highbay Lights,Street lights & drivers, smart controllers etc. We own advanced facilities in production and testing. Such as automatically aging equipments, High Temperature test machine, salty test machine, IES test machine, integratigg shpere, label laser. King watt focus on high quality productions since 2006, we design, producing and sell our own patent products to oversea countries. mainly for Europe, Australia and part of Asia. Our production widely use in Shopping malls, offices, hotels,resturants, hospitals, schools etc. King Watt as an experienced manufacturer in lighting industry, we are truedted by all customers from all oversea countries.

KWT warmly welcome your enquiry and cooperation!



**THE CERTIFICATES**



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# LED RECESSED WALL LIGHT



# Asymmetrical Recessed LED Stair & Wall Light

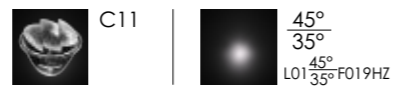
Front cover is made by Hard chrome-plated stainless steel 316L#



## LED COLOUR TEMPERATURE

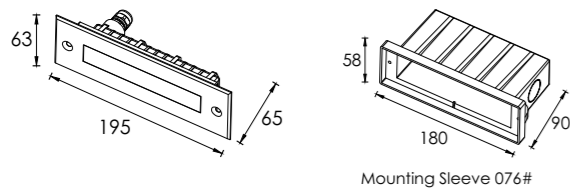
2000K · 3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



Mounting Sleeve 076#

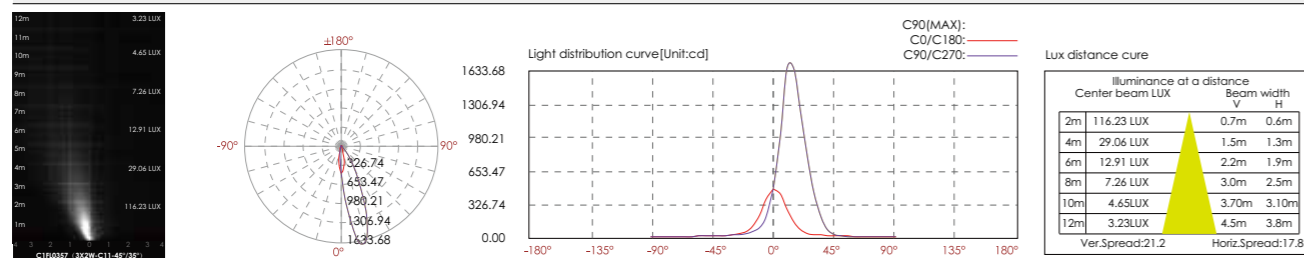
## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum   T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>LIGHT WINDOW</b>	Step tempered glass.T=8mm
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>GASKET</b>	Tooling shaped seal
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m (low voltage)   H05RN-F 3X1.0mm2 L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS 076#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

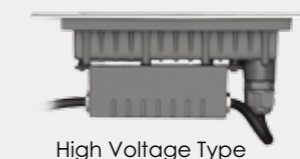
## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(mA)	CONSUMPTION(W)	LUMINANCE(lm)	IK
<b>C1FL0357</b>	3×2W OSRAM	C11	45° 35°	24V DC 120/240	24V = 200 120V = 47 240V = 25	24V = 5.7 120V = 6.2 240V = 5.7	Cool White = 400 Warm White = 285	08

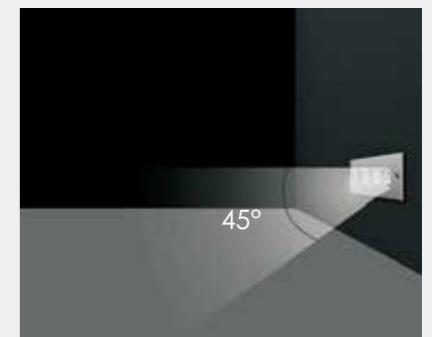
## PHOTOMETRIC CURVES



## MOUNTING SLEEVE CHARACTERISTIC



High Voltage Type



Impression Drawing of Lens

- The right picture – the supporting plate "A" is used for preventing deformation of the sleeve during the construction installation process.
- Please remove the supporting plate "A" from the mounting sleeve before the lamp installation.

# Recessed LED Stair Light & Wall Light



### LED COLOUR TEMPERATURE

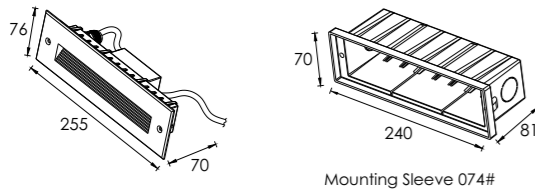
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



### MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum   T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>LIGHT WINDOW</b>	PC T=3mm
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>GASKET</b>	Molding shaped silicone seal
<b>LED DRIVER</b>	Constant Voltage Input, Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage)   H05RN-F 3X1.0mm <sup>2</sup> L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS 074#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

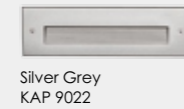
### FRONT COVER COLOR

Basic

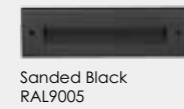


Sanded Dark Grey  
KAP 7037

Secondary



Silver Grey  
KAP 9022



Sanded Black  
RAL9005

### MOUNTING SLEEVE CHARACTERISTIC

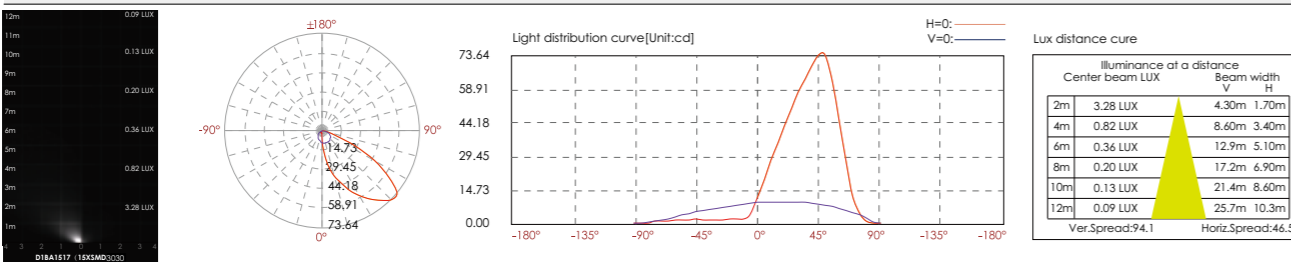


•The above picture – the supporting plate "A1" and "A2" are used for preventing deformation of the sleeve during the construction installation process.  
•Please remove the supporting plate "A1" and "A2" from the mounting sleeve before the lamp installation.

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>D1BA1517</b>	15×SMD3030	24V DC 120/240	24V = 200 120V = 90 240V = 52	24V = 4.8 120V = 6.4 240V = 6.5	Cool White = 99 Warm White = 92	10

### PHOTOMETRIC CURVES



# Recessed LED Stair Light & Wall Light



### LED COLOUR TEMPERATURE

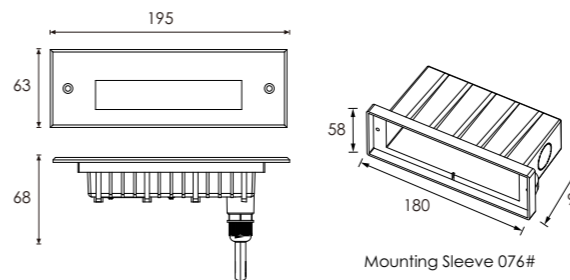
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



### MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum   T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	12# Die-casting aluminum
<b>LIGHT WINDOW</b>	PC T=4mm
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>GASKET</b>	Molding shaped silicone seal
<b>LED DRIVER</b>	Constant Voltage Input, Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage)   H05RN-F 3X1.0mm <sup>2</sup> L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS 076#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

### FRONT COVER COLOR

Basic



Sanded Dark Grey  
KAP 7037

Secondary



Silver Resistant Paint  
RAL 9006



Sanded Black  
RAL9005

### MOUNTING SLEEVE CHARACTERISTIC

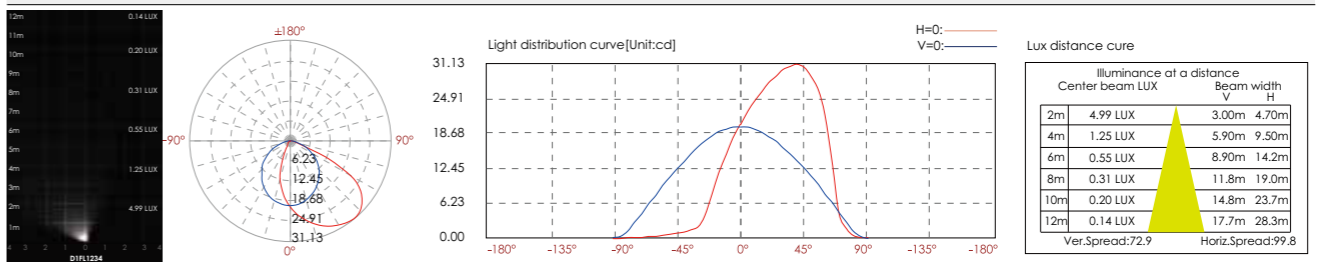


•The above picture – the supporting plate "A" is used for preventing deformation of the sleeve during the construction installation process.  
•Please remove the supporting plate "A" from the mounting sleeve before the lamp installation.

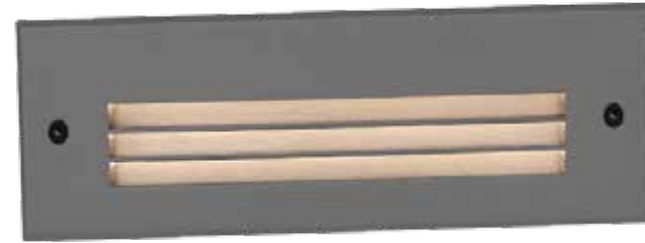
### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>D1FL1234</b>	12X0.2	N/A	120°	24V DC 120/240	24V = 52 120V = 29 240V = 20	24V = 1.24 120V = 1.7 240V = 2	Cool White = 58 Warm White = 55.5	10

### PHOTOMETRIC CURVES



# Recessed LED Stair Light & Wall Light



### LED COLOUR TEMPERATURE

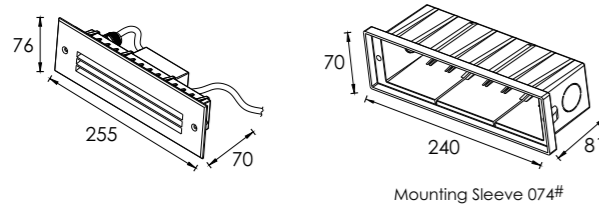
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



### MATERIAL SPECIFICATIONS

<b>HOUSING &amp; FRONT COVER</b>	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>LIGHT WINDOW</b>	PC T=3mm
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>GASKET</b>	Molding shaped silicone seal
<b>LED DRIVER</b>	Constant Voltage Input, Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m (low voltage) H05RN-F 3X1.0mm2 L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS 074#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

### FRONT COVER COLOR

Basic



Secondary



### MOUNTING SLEEVE CHARACTERISTIC

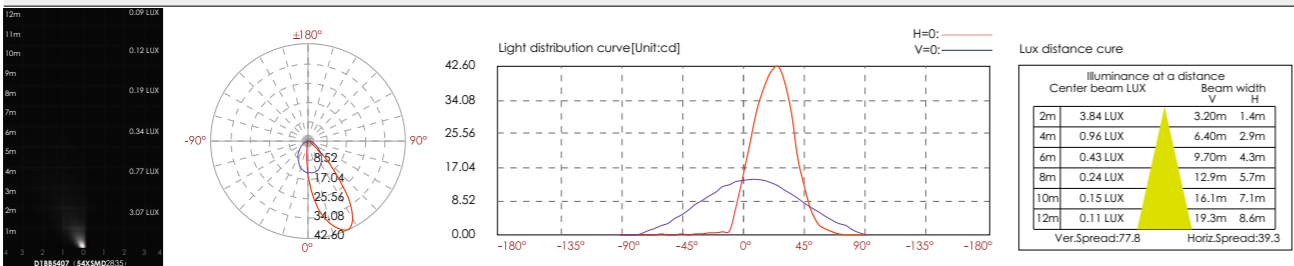


•The above picture – the supporting plate “A1” and “A2” are used for preventing deformation of the sleeve during the construction installation process.  
•Please remove the supporting plate “A1” and “A2” from the mounting sleeve before the lamp installation.

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>D1BB5407</b>	54×SMD2835	24V DC 120/240	24V = 220 120V = 95 240V = 53	24V = 5.3 120V = 6.4 240V = 6.8	Cool White = 47 Warm White = 44	09

### PHOTOMETRIC CURVES



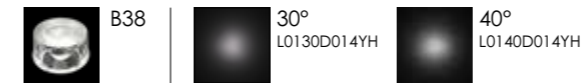
# Recessed LED Stair Light & Wall Light



### LED COLOUR TEMPERATURE

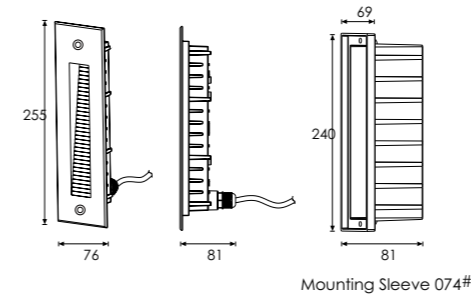
2000K · 3000K · 6000K

### OPTICS



### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



### MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	12# Die-casting aluminum
<b>LIGHT WINDOW</b>	Tempered glass T=2mm
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>GASKET</b>	Molding shaped silicone seal
<b>LED DRIVER</b>	Constant Voltage Input, Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m (low voltage) H05RN-F 3X1.0mm2 L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS 074#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

### FRONT COVER COLOR

Basic



Secondary



### MOUNTING SLEEVE CHARACTERISTIC

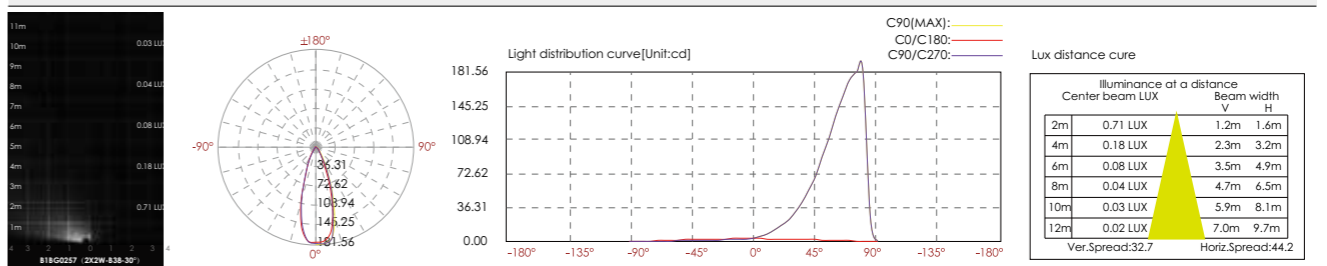


•The above picture – the supporting plate “A1” and “A2” are used for preventing deformation of the sleeve during the construction installation process.  
•Please remove the supporting plate “A1” and “A2” from the mounting sleeve before the lamp installation.

### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B1BG0257</b>	2×1.5W	B38	30°	24V DC 120/240	24V = 150 120V = 36 240V = 22	24V = 3.6 120V = 3.8 240V = 3.8	Cool White = 106 Warm White = 94	10

### PHOTOMETRIC CURVES



# Recessed LED Stair Light & Wall Light



### LED COLOUR TEMPERATURE

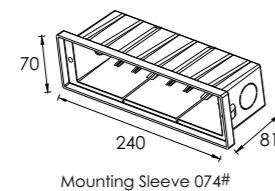
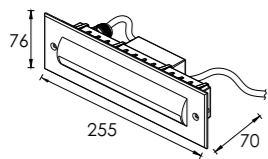
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



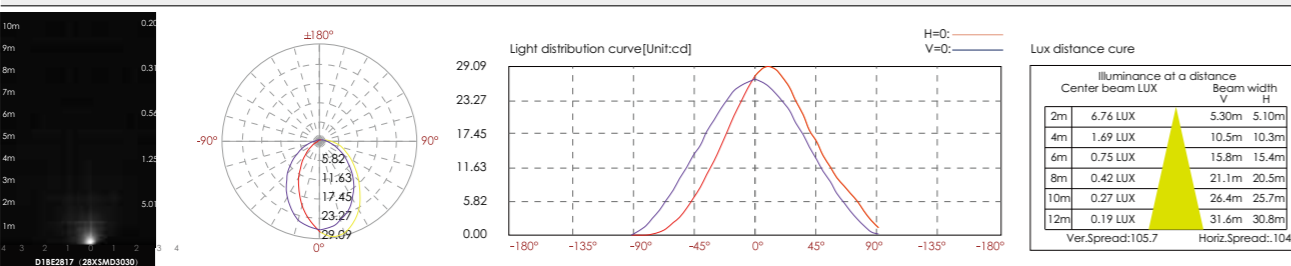
### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting grey powder coated aluminum  
T=60-80um Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | 12# Die-casting aluminum
- LIGHT WINDOW** | PC T=3mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Molding Shaped silicone seal
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m (high voltage)
- MOUNTING SLEEVE** | ABS 074#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D1BE2817	28×SMD3030	24V DC 120/240	24V = 210 120V = 92 240V = 53	24V = 5 120V = 6.5 240V = 6.4	Cool White = 82 Warm White = 65	09

### PHOTOMETRIC CURVES



### FRONT COVER COLOR

Basic



Sanded Dark Grey  
KAP 7037

Secondary



Silver Resistant Paint  
RAL 9006

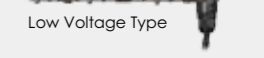


Sanded Black  
RAL9005

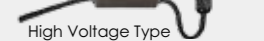
### MOUNTING SLEEVE CHARACTERISTIC



Low Voltage Type



High Voltage Type



- The above picture – the supporting plate "A1" and "A2" are used for preventing deformation of the sleeve during the construction installation process.
- Please remove the supporting plate "A1" and "A2" from the mounting sleeve before the lamp installation.

# Recessed LED Stair Light & Wall Light

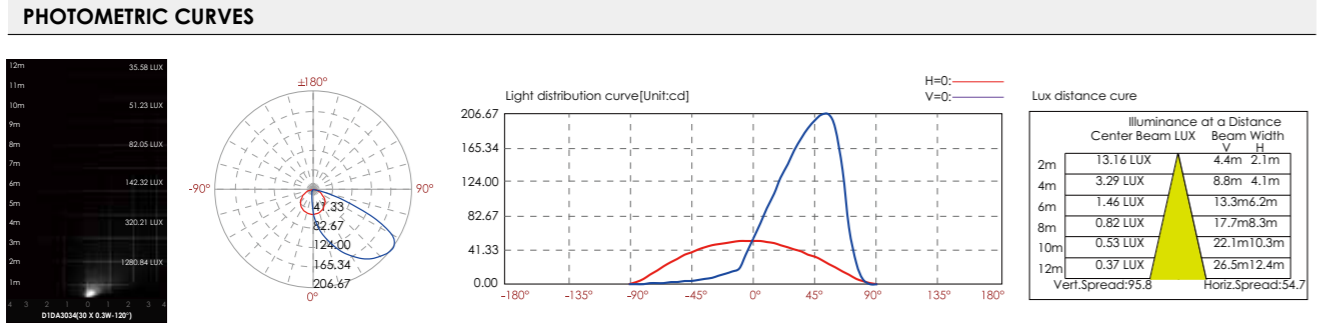


LED RECESSED WALL LIGHT



<b>LED COLOUR TEMPERATURE</b> 2000K · 3000K · 6000K	<b>OPTICS</b> N/A
<b>OUTER DIMENSIONS &amp; ACCESSORIES</b> Unit:mm	<b>MATERIAL SPECIFICATIONS</b>
	<b>Housing &amp; Front cover</b> 12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B <b>Light Window</b> Glass T=1.8mm <b>Cable gland</b> IP67 copper and nicked coated <b>Gasket</b> Molding shaped silicone seal <b>LED Driver</b> Constant Voltage Input, Constant Current Output <b>Operating temperature</b> -20°C~40°C <b>Power Cable</b> H05RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage) H05RN-F 3X1.0mm <sup>2</sup> L=0.5m (high voltage) <b>Mounting sleeve</b> ABS 107# <b>Dimmable Support</b> Triac PWM 1-10V Dali

TECHNICAL DATA							
Item	Light source	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
D1DA3034	30×0.3W	120°	24VDC 240V	24V = 380 240V = 44	24V = 9.1 240V = 10	Cool white =330 Warm white =292	10



Front Cover Color Option	
— Basic Sanded Dark Grey KAP 7037	
— Secondary Silver Grey KAP 9022	
Sanded Black RAL9005	

Mounting sleeve characteristic

High voltage type

- The above picture – the supporting plate "A1" and "A2" are used for preventing deformation of the sleeve during the construction installation process.
- Please remove the supporting plate "A1" and "A2" from the mounting sleeve before the lamp installation.



# Recessed LED Stair Light & Wall Light

Stainless Steel Front Cover



### LED COLOUR TEMPERATURE

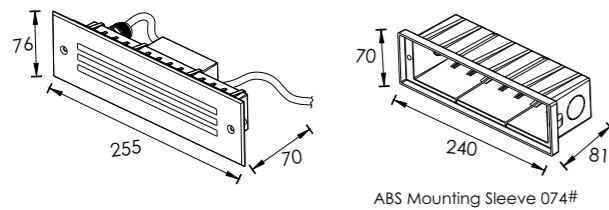
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



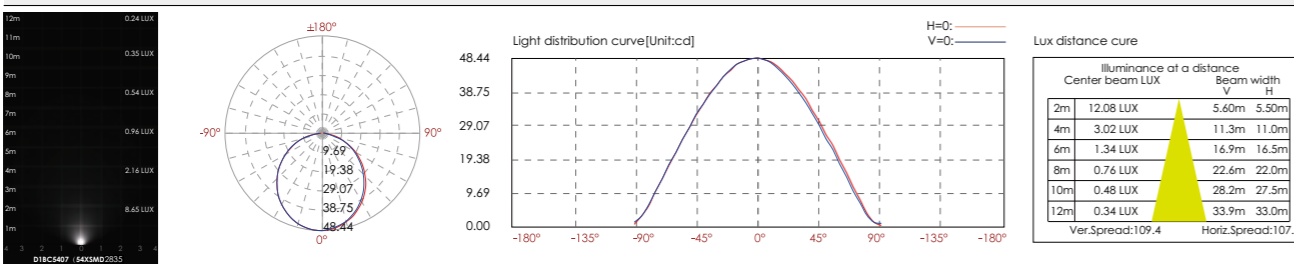
### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting grey powder coated aluminum  
T=60-80um Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chromeplated Stainless steel 316#
- LIGHT WINDOW** | PC T=3mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Molding shaped silicone seal
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.5m (low voltage)  
H05RN-F 3X1.0mm2 L=0.5m (high voltage)
- MOUNTING SLEEVE** | ABS 074#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D1BC5407	54×SMD2835	24V DC 120/240	24V = 220 120V = 95 240V = 62	24V = 5.3 120V = 6.7 240V = 6.8	Cool White = 107 Warm White = 90	10

### PHOTOMETRIC CURVES



### MOUNTING SLEEVE CHARACTERISTIC



- The above picture – the supporting plate "A1" and "A2" are used for preventing deformation of the sleeve during the construction installation process.
- Please remove the supporting plate "A1" and "A2" from the mounting sleeve before the lamp installation.

# Diffused Beam Recessed LED Stair Light & Wall Light

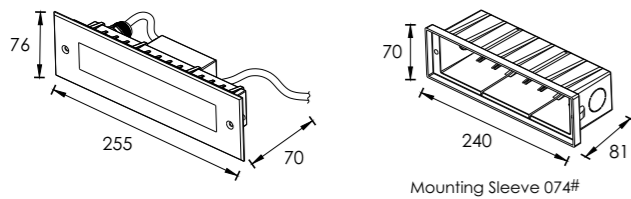
Stainless Steel Front Cover



**LED COLOUR TEMPERATURE**  
2000K · 3000K · 6000K

**OPTICS**  
N/A

**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



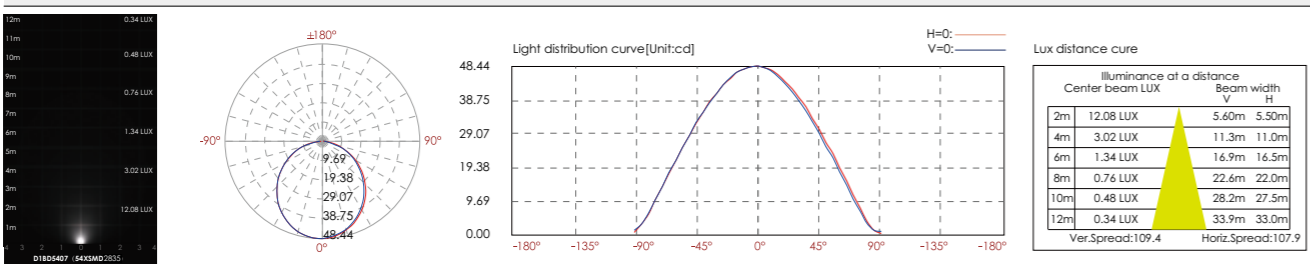
**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting grey powder coated aluminum  
| T=60-80um Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chrome-plated Stainless steel 316L#
- LIGHT WINDOW** | PC T=3mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Molding shaped silicone seal
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.5m (low voltage)  
| H05RN-F 3X1.0mm2 L=0.5m (high voltage)
- MOUNTING SLEEVE** | ABS 074#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

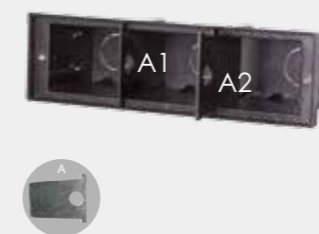
**TECHNICAL DATA**

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>D1BD5407</b>	54×SMD2835	24V DC 120/240	24V = 220 120V = 95 240V = 53	24V = 5.3 120V = 6.7 240V = 6.8	Cool White = 141 Warm White = 132	09

**PHOTOMETRIC CURVES**



**MOUNTING SLEEVE CHARACTERISTIC**



- The right picture-"A" is the supporting plate,used for "mounting sleeve" during the construction installation process to prevent deformation of the sleeve.
- The loading way such as A1, A2.
- Please take out the supporting plate (A1 & A2) from the "mounting box" before installation.

# Diffused Beam Recessed LED Wall Light

Stainless Steel Front Cover

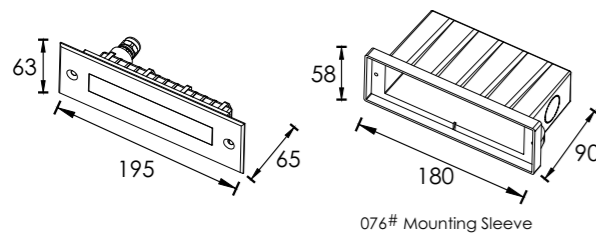


### LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



### OPTICS

N/A

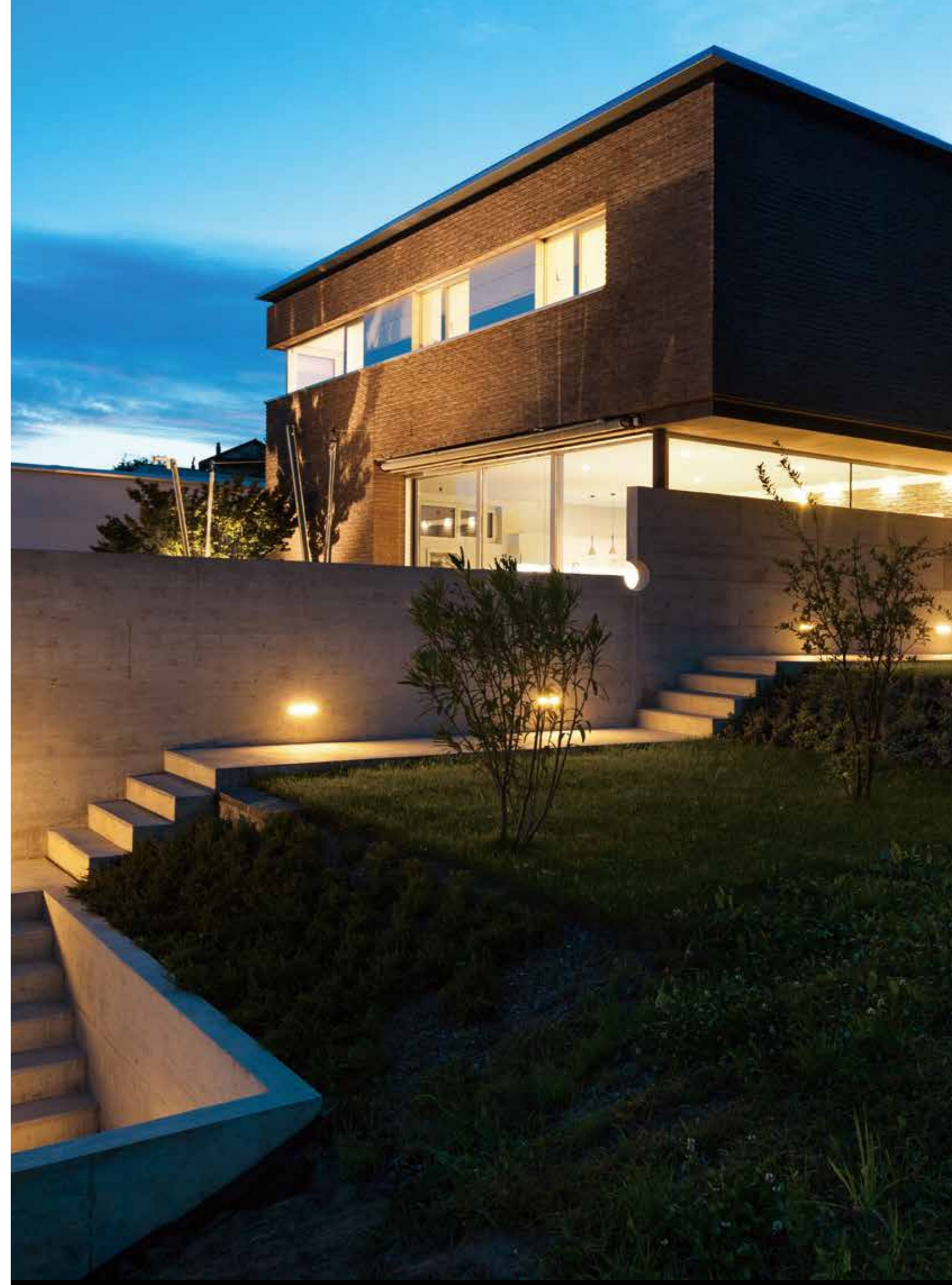
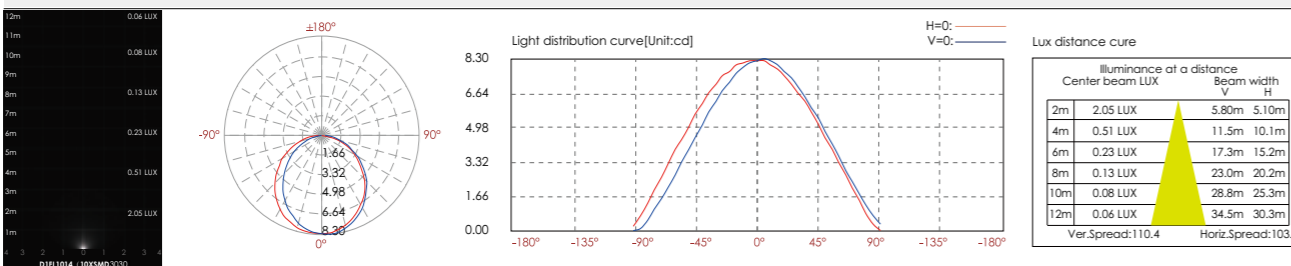
### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting grey powder coated aluminum  
| T=60-80µm Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chrome-plated stainless steel SUS 316L#
- LIGHT WINDOW** | Step tempered glass,T=8mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Tooling shaped seal
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.5m (low voltage)  
| H05RN-F 3X1.0mm2 L=0.5m (high voltage)
- MOUNTING SLEEVE** | ABS 076#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D1FL1014	10×SMD3030	120°	24V DC 120/240	24V = 114 120V = 55 240V = 32	24V = 2.7 120V = 3.5 240V = 3.6	Cool White = 34 Warm White = 35	09

### PHOTOMETRIC CURVES



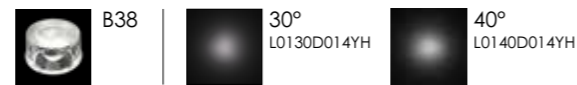
# Recessed LED Stair Light & Wall Light



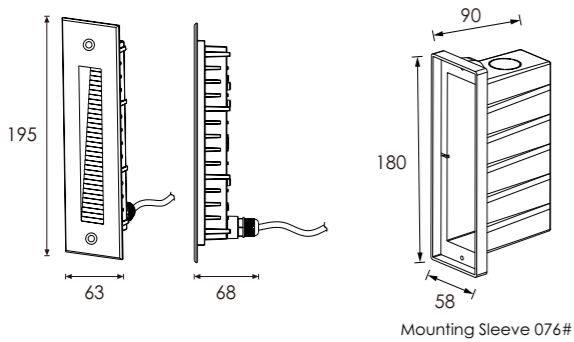
### LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

### OPTICS



### OUTER DIMENSIONS & ACCESSORIES



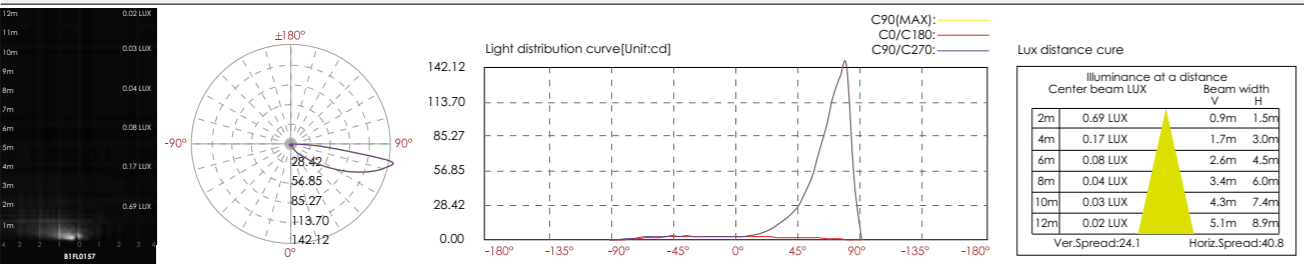
### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting grey powder coated aluminum  
T=60-80um Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | 12# Die-casting aluminum
- LIGHT WINDOW** | Tempered glass T=2mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Molding shaped silicone seal
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.5m (low voltage)  
H05RN-F 3X1.0mm2 L=0.5m (high voltage)
- MOUNTING SLEEVE** | ABS 076#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B1FL0157	1X2W	B38	30°	24V DC 120/240	24V = 105 120V = 40 240V = 25	24V = 2.5 120V = 2.7 240V = 2.8	Cool White = 64 Warm White = 55	10

### PHOTOMETRIC CURVES



# Recessed LED Stair Light & Wall Light



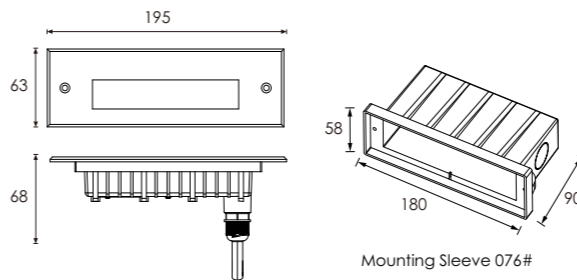
### LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES



### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting grey powder coated aluminum  
T=60-80um Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | 12# Die-casting aluminum
- LIGHT WINDOW** | PC T=4mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Molding shaped silicone seal
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.5m (low voltage)  
H05RN-F 3X1.0mm2 L=0.5m (high voltage)
- MOUNTING SLEEVE** | ABS 076#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### FRONT COVER COLOR

- Basic**  
Sanded Dark Grey KAP 7037
- Secondary**  
Silver Resistant Paint RAL 9006  
Sanded Black RAL9005

### MOUNTING SLEEVE CHARACTERISTIC

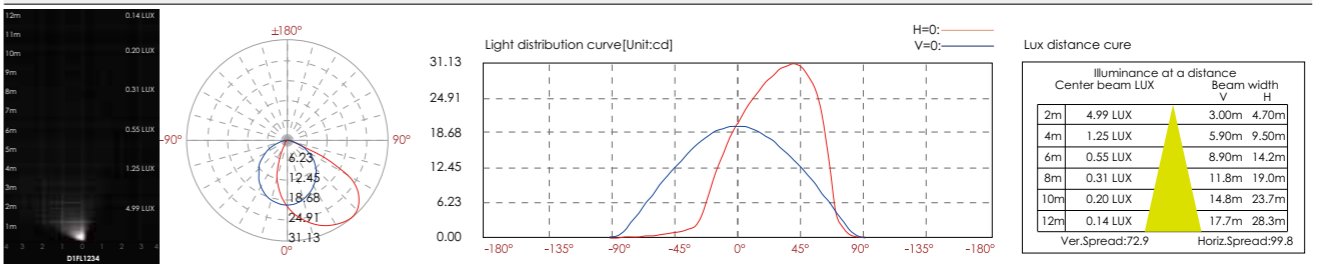


•The above picture – the supporting plate "A" is used for preventing deformation of the sleeve during the construction installation process.  
•Please remove the supporting plate "A" from the mounting sleeve before the lamp installation.

### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D1FL1234	12X0.2	N/A	120°	24V DC 120/240	24V = 52 120V = 29 240V = 20	24V = 1.24 120V = 1.7 240V = 2	Cool White = 58 Warm White = 55.5	10

### PHOTOMETRIC CURVES



# Recessed LED Stair Light & Wall Light



## LED COLOUR TEMPERATURE

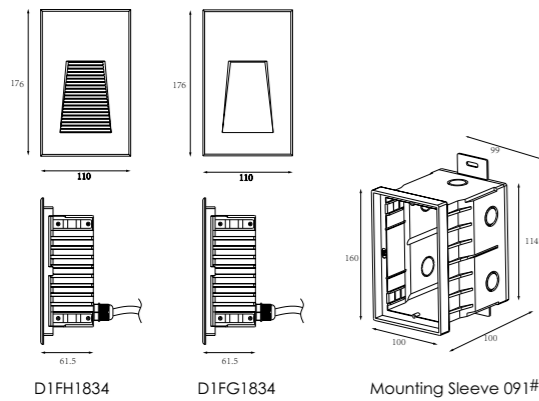
2000K · 3000K · 6000K

## OPTICS

N/A

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



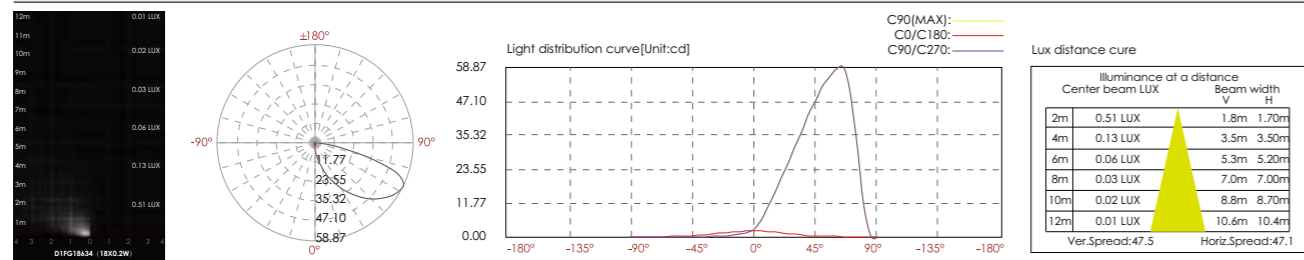
## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	12# Die-casting aluminum RAL7037 powder coated T=20-30um Adhesion of ISO class 1/ASTM class 4B
<b>LED</b>	SMD3030 type LED
<b>CABLE GLAND</b>	IP67 copper and nicked coated
<b>GASKET</b>	Molding shaped silicone seal
<b>LED DRIVER</b>	Constant Voltage Input, Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m (low voltage) H05RN-F 3X1.0mm2 L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS 091#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D1FG1834	18x0.2W	24V DC	24V = 240	24V = 5.5	Cool White = 58	10
		120/240	120V = 103	120V = 7	Warm White = 85	
			240V = 65	240V = 7.1		
D1FH1834	18x0.2W	24V DC	24V = 230	24V = 5.5	Cool White = 54.8	10
		120/240	120V = 103	120V = 7	Warm White = 76	
			240V = 65	240V = 7.1		

## PHOTOMETRIC CURVES



## FRONT COVER COLOR



## MOUNTING SLEEVE CHARACTERISTIC

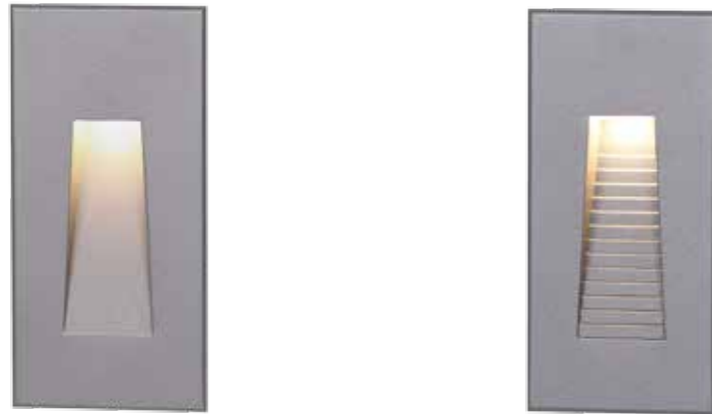


•The clips have been specially modified and upgraded to have a stronger structure in order to make up the absence of the screw fixing.



•There are two metal support plates on the bottom of the sleeve. It is used for fixing and preventing the mounting sleeve shifting while filling the concrete.  
•These will simply installer and electrician while they are recessing the sleeves.

# Recessed LED Stair Light & Wall Light



## LED COLOUR TEMPERATURE

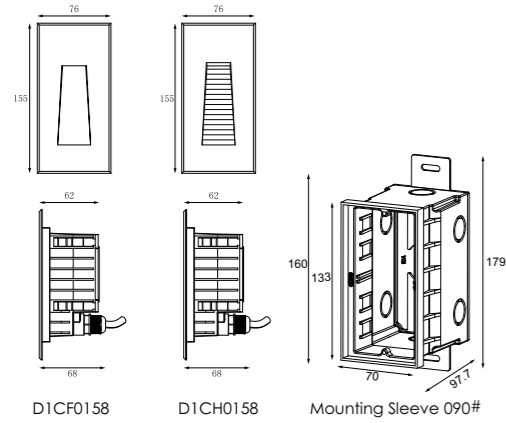
2000K · 3000K · 6000K

## OPTICS

N/A

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



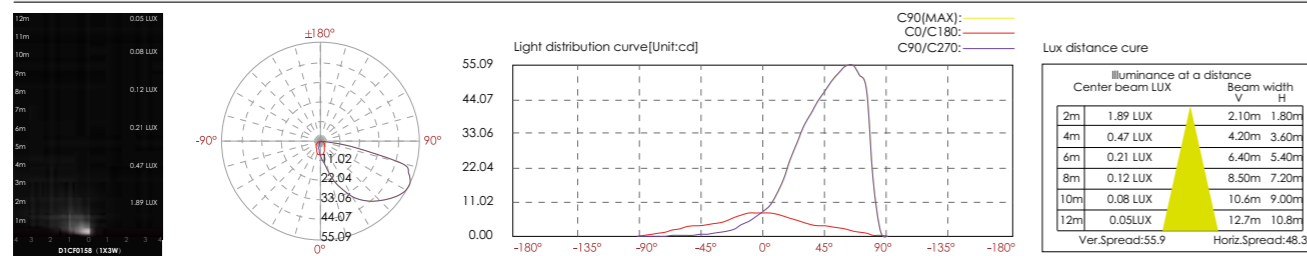
## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	12# Die-casting aluminum RAL7037 powder coated T=20-30um Adhesion of ISO class 1/ASTM class 4B
<b>LED</b>	SMD3030 type LED
<b>CABLE GLAND</b>	IP67 PG-9 PA66
<b>GASKET</b>	Molding shaped silicone seal
<b>LED DRIVER</b>	Constant Voltage Input, Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m (low voltage) H05RN-F 3X1.0mm2 L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS 090#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D1CH0158	1x3W	24V DC 120/240	24V = 140	24V = 3.3	Cool White = 64	10
			120V = 36	120V = 4.2	Warm White = 55	
			240V = 22	240V = 4.4		
D1CF0158	1x3W	24V DC 120/240	24V = 140	24V = 3.3	Cool White = 62	10
			120V = 36	120V = 4.2	Warm White = 53	
			240V = 22	240V = 4.4		

## PHOTOMETRIC CURVES



## FRONT COVER COLOR



## MOUNTING SLEEVE CHARACTERISTIC



The clips have been specially modified and upgraded to have a stronger structure in order to make up the absence of the screw fixing.



There are two metal support plates on the bottom of the sleeve. It is used for fixing and preventing the mounting sleeve shifting while filling the concrete. These will simply install and electrician while they are recessing the sleeves.

# Trimless Asymmetrical COB Inground Light / Recessed Wall Light

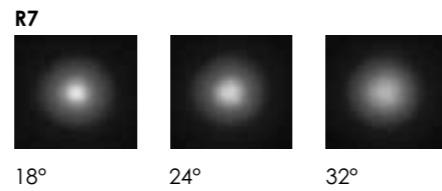


### LED COLOUR TEMPERATURE

3000K • 6000K

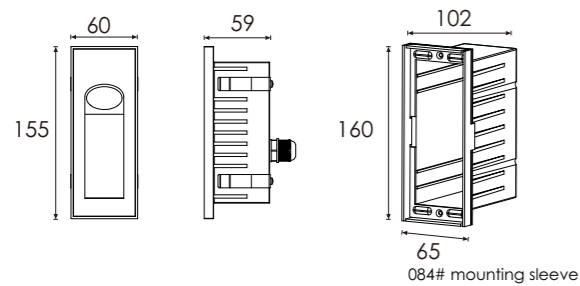
### OPTICS

R7  
 R0118C035XL 18°  
 R0124C035XL 24°  
 R0132C035XL 32°



### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



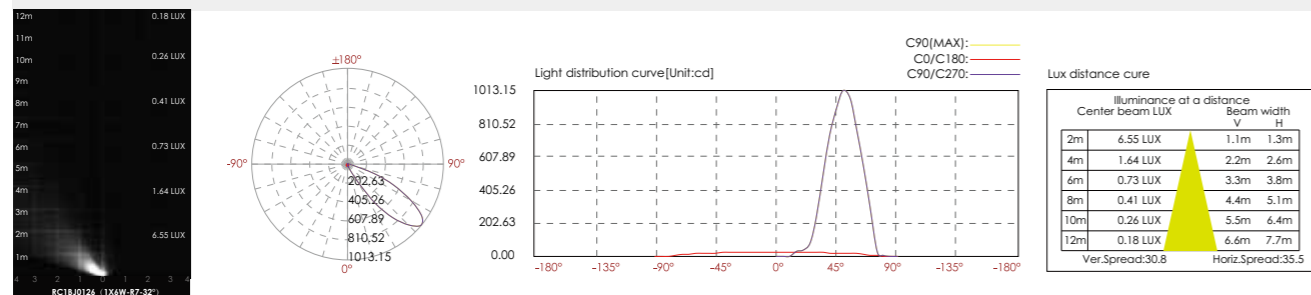
### MATERIAL SPECIFICATIONS

Housing | 12# Die-casting grey powder coated aluminum.  
 T=60-80µm Adhesion of ISO class 1/ASTM class 4B  
 Front cover | Tempered glass T=8mm  
 Glass pressure capacity | Full area=3286kgs  
 Operating temperature | -20°C~40°C  
 Power cable | H05RN-F 2X1.0mm L=0.5m(Low voltage)  
 | H05RN-F 3X1.0mm L=0.5m(High voltage)  
 Mounting sleeve | 084# ABS +Stainless Steel Ring

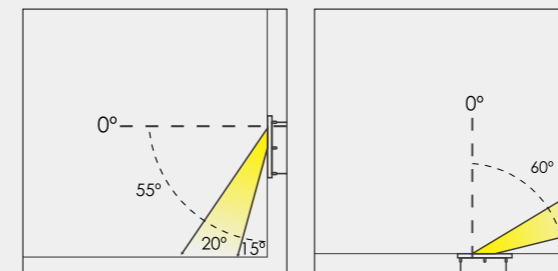
### TECHNICAL DATA

Item	Light source	Reflector	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
RC1BJ0126	1×6W COB	R7	32°	24V DC 120/240	24V = 270 120V = 65 240V = 37	24V = 6.5 120V = 7.7 240V = 7.8	Cool white=498 Warm white=457	06

### PHOTOMETRIC CURVES

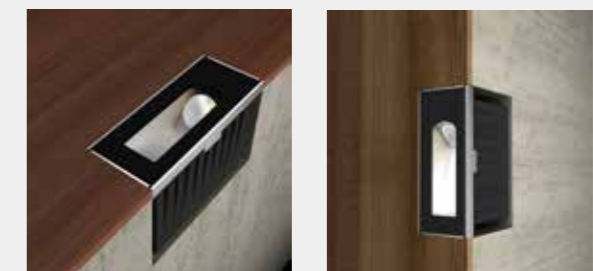
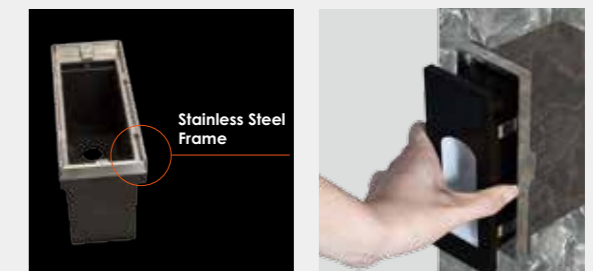


### Asymmetrical Demo



Wall light application

### Installation Demo



Wall washer application

# Asymmetrical COB Inground Light / Recessed Wall Light

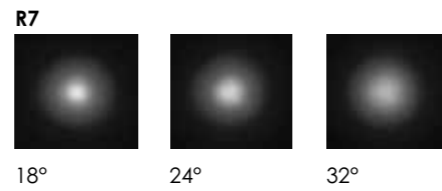


## LED COLOUR TEMPERATURE

3000K • 6000K

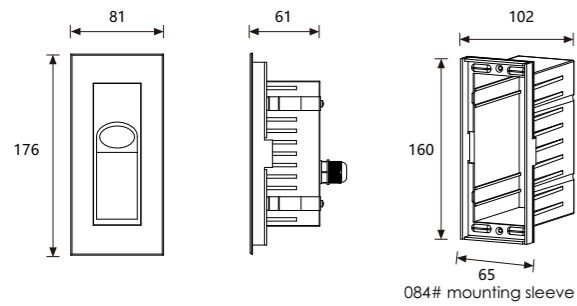
## OPTICS

R7  
R0118C035XL 18°  
R0124C035XL 24°  
R0132C035XL 32°



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



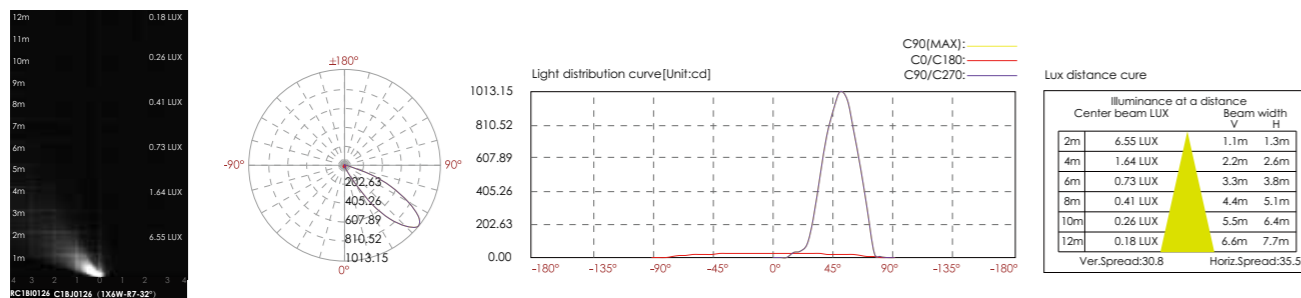
## MATERIAL SPECIFICATIONS

Housing | 12# Die-casting grey powder coated aluminum.  
T=60-80µm Adhesion of ISO class 1/ASTM class 4B  
Light Window | Tempered glass T=8mm  
Glass pressure capacity | Full area=3286kgs  
Operating temperature | -20°C~40°C  
Power cable | H05RN-F 2X1.0mm L=0.5m(Low voltage)  
H05RN-F 3X1.0mm L=0.5m(High voltage)  
Mounting sleeve | 084# ABS +Stainless Steel Ring

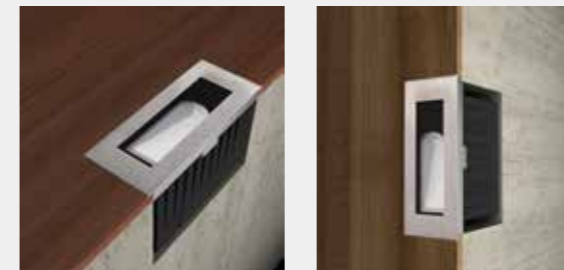
## TECHNICAL DATA

Item	Light source	Reflector	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
RC1B10126	1×6W COB	R7	32°	24V DC 120/240	24V = 270 120V = 65 240V = 37	24V = 6.5 120V = 7.7 240V = 7.8	Cool white=498 Warm white=457	06

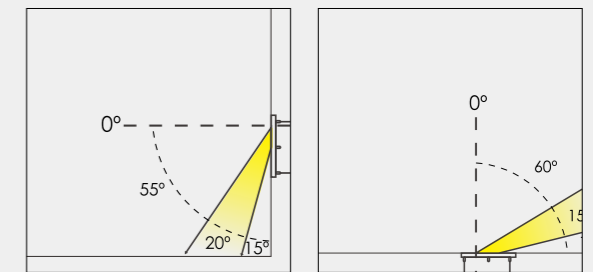
## PHOTOMETRIC CURVES



## Installation Demo

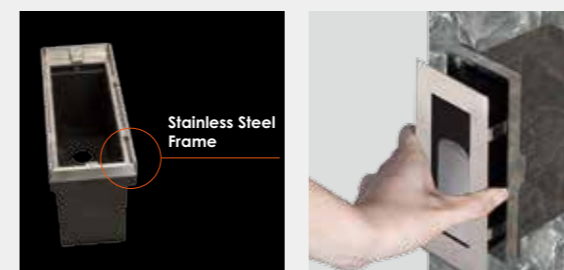


## Asymmetrical Demo



Wall light application

Wall washer application





# Recessed LED Stair Light & Wall Light



### LED COLOUR TEMPERATURE

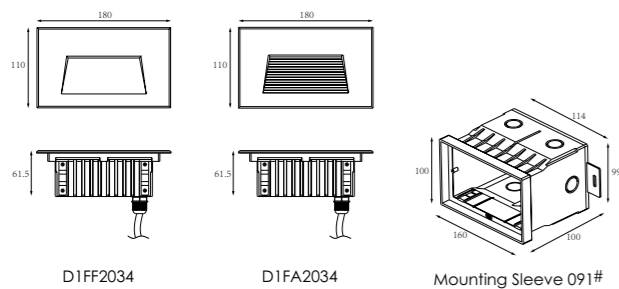
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



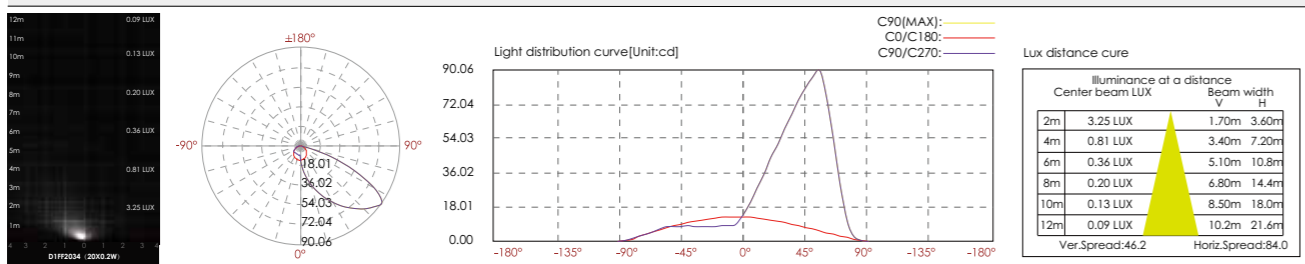
### MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	12# Die-casting aluminum RAL7037 powder coated T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>LED</b>	SMD3030 type LED
<b>CABLE GLAND</b>	IP-67 copper and nicked coated
<b>GASKET</b>	Molding shaped silicone seal
<b>LED DRIVER</b>	Constant Voltage Input, Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage) H05RN-F 3X1.0mm <sup>2</sup> L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS 091#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D1FA2034	20x0.2W	24V DC	24V = 227	24V = 5.6	Cool White = 103	10
		120/240	120V = 102	120V = 6.8	Warm White = 96.5	
		240V = 57	240V = 6.8			
D1FF2034	20x0.2W	24V DC	24V = 227	24V = 5.6	Cool White = 113.7	10
		120/240	120V = 101	120V = 6.8	Warm White = 104.3	
		240V = 56	240V = 6.8			

### PHOTOMETRIC CURVES



### FRONT COVER COLOR

#### Basic



#### Secondary



### MOUNTING SLEEVE CHARACTERISTIC



•The clips have been specially modified and upgraded to have a stronger structure in order to make up the absence of the screw fixing.



•There are two metal support plates on the bottom of the sleeve. It is used for fixing and preventing the mounting sleeve shifting while filling the concrete.  
•These will simply installer and electrician while they are recessing the sleeves.

# Recessed LED Stair Light & Wall Light



### LED COLOUR TEMPERATURE

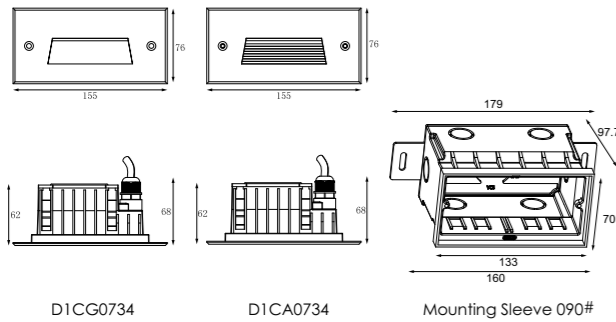
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



D1CG0734

D1CA0734

Mounting Sleeve 090#

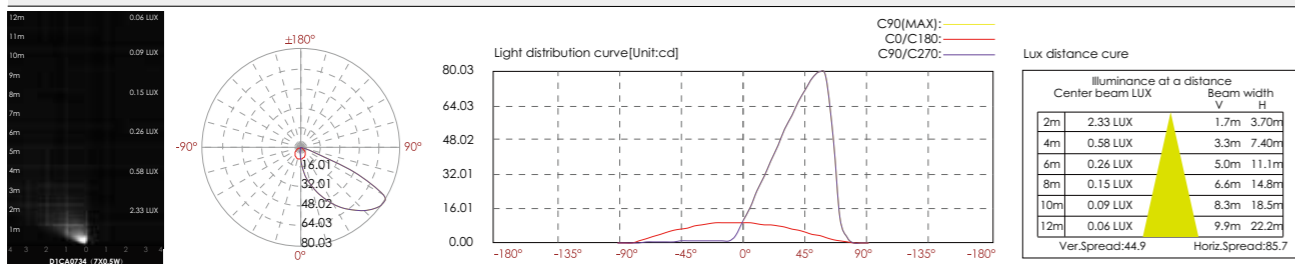
### MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	12# Die-casting aluminum RAL7037 powder coated T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>LED</b>	SMD3030 type LED
<b>CABLE GLAND</b>	IP67 PG-9 PA66
<b>GASKET</b>	Molding shaped silicone seal
<b>LED DRIVER</b>	Constant Voltage Input, Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m (low voltage) H05RN-F 3X1.0mm2 L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS 090#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D1CA0734	7×0.5W	24V DC	24V = 1.50	24V = 3.5	Cool White = 85	10
		120/240	120V = 72	120V = 4.8	Warm White = 82	
		240V = 40	240V = 4.8			
D1CG0734	7×0.5W	24V DC	24V = 1.50	24V = 3.5	Cool White = 104.5	10
		120/240	120V = 72	120V = 4.8	Warm White = 97.9	
		240V = 40	240V = 4.8			

### PHOTOMETRIC CURVES



### FRONT COVER COLOR

Basic



Sanded Dark Grey  
KAP 7037

Secondary



Silver Grey  
KAP 9022



Sanded Black  
RAL9005

### MOUNTING SLEEVE CHARACTERISTIC



•The clips have been specially modified and upgraded to have a stronger structure in order to make up the absence of the screw fixing.



•There are two metal support plates on the bottom of the sleeve. It is used for fixing and preventing the mounting sleeve shifting while filling the concrete.  
•These will simply installer and electrician while they are recessing the sleeves.

# LED Recessed Wall Light



## LED COLOUR TEMPERATURE

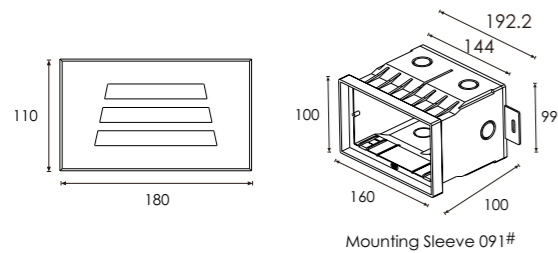
2000K · 3000K · 6000K

## OPTICS

N/A

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	12# Die-casting aluminum RAL7037 powder coated T=60-80um.Adhesion of ISO class 1/ASTM class 4B
<b>LED</b>	SMD3030 type LED
<b>CABLE GLAND</b>	IP67 PG-9 PA66
<b>GASKET</b>	Molding shaped silicone seal
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m (low voltage)   H05RN-F 3X1.0mm2 L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS 091#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## FRONT COVER COLOR

### Basic



Sanded Dark Grey  
KAP 7037

### Secondary



Silver Grey  
KAP 9022



Sanded Black  
RAL9005

## MOUNTING SLEEVE CHARACTERISTIC

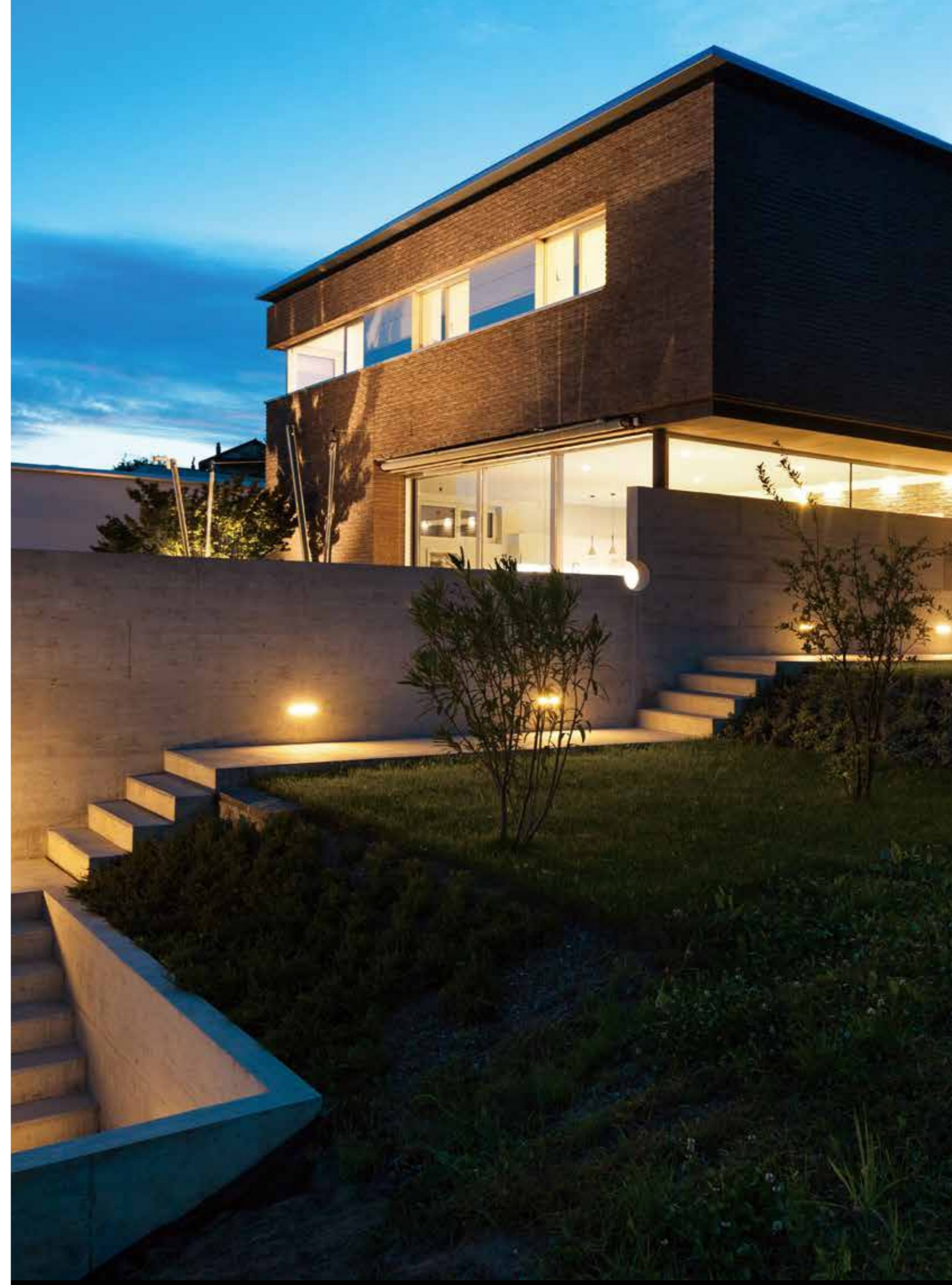
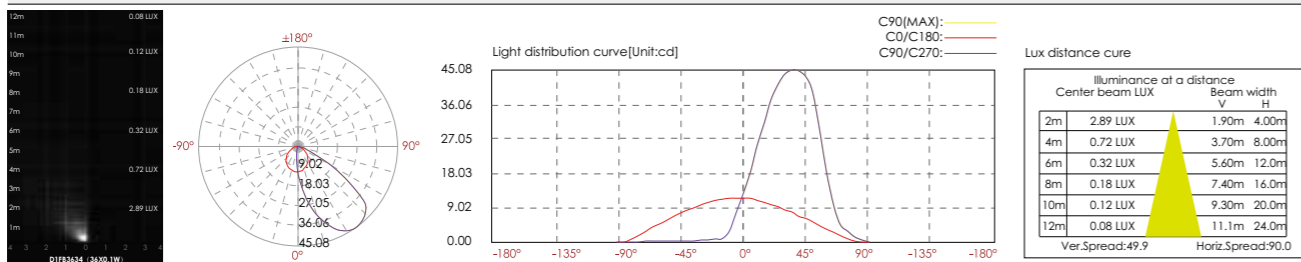


- The clips have been specially modified and upgraded to have a stronger structure in order to make up the absence of the screw fixing.
- There are two metal support plates on the bottom of the sleeve. It is used for fixing and preventing the mounting sleeve shifting while filling the concrete.
- These will simply installer and electrician while they are recessing the sleeves.

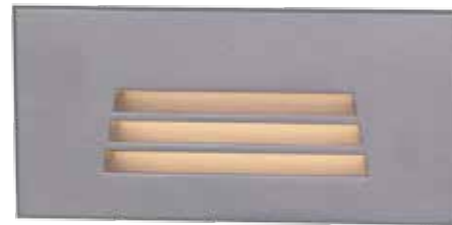
## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>D1FB3634</b>	36x0.1W	24V DC 120/240	24V = 235 120V = 100 240V = 55	24V = 5.5 120V = 6.7 240V = 7	Cool White = 62 Warm White = 55	09

## PHOTOMETRIC CURVES



# Recessed LED Wall Light



## LED COLOUR TEMPERATURE

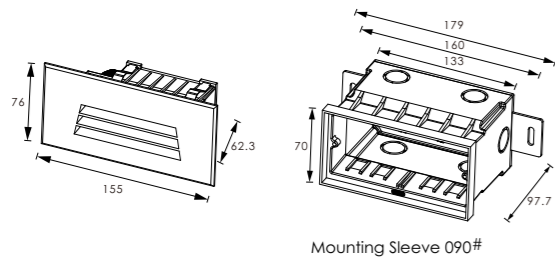
2000K · 3000K · 6000K

## OPTICS

N/A

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



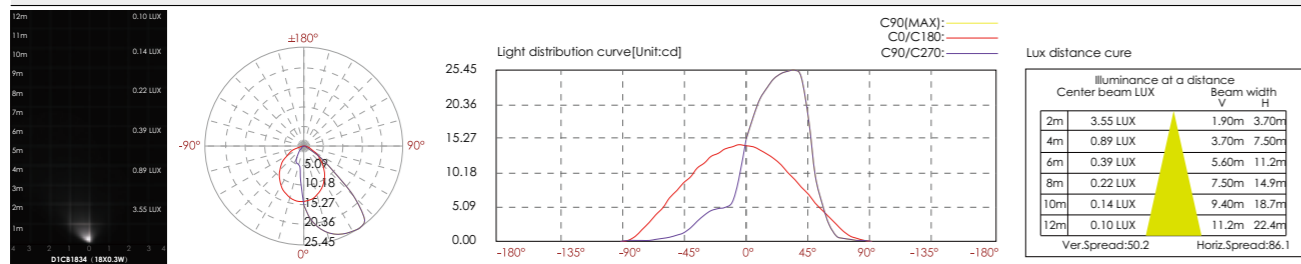
## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	12# Die-casting aluminum RAL7037 powder coated T=60-80um. Adhesion of ISO class 1/ASTM class 4B
<b>LED</b>	SMD3030 type LED
<b>CABLE GLAND</b>	IP67 PG9 PA66
<b>GASKET</b>	Molding shaped silicone seal
<b>LED DRIVER</b>	Constant Voltage Input, Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m (low voltage) H05RN-F 3X1.0mm2 L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS 090#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>D1CB1834</b>	18x0.3W	24V DC 120/240	24V = 235 120V = 97 240V = 54	24V = 5.5 120V = 6.8 240V = 6.9	Cool White = 38 Warm White = 34	09

## PHOTOMETRIC CURVES



## FRONT COVER COLOR

Basic



Sanded Dark Grey  
KAP 7037

Secondary



Silver Grey  
KAP 9022



Sanded Black  
RAL9005

## MOUNTING SLEEVE CHARACTERISTIC



•The clips have been specially modified and upgraded to have a stronger structure in order to make up the absence of the screw fixing.



•There are two metal support plates on the bottom of the sleeve. It is used for fixing and preventing the mounting sleeve shifting while filling the concrete.  
•These will simply installer and electrician while they are recessing the sleeves.

# Diffused Beam Recessed LED Wall Light

Stainless steel front cover with Matte Surface

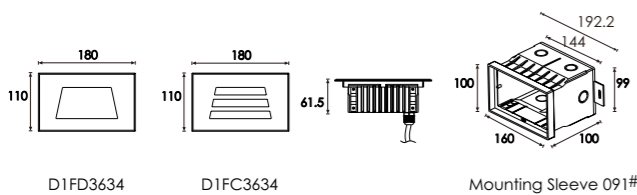


### LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



### OPTICS

N/A

### MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum   T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	Hard chromeplated Stainless steel 316#
<b>LED</b>	SMD3030 type LED
<b>CABLE GLAND</b>	IP67 PG-9 PA66
<b>GASKET</b>	Molding shaped silicone seal
<b>LED DRIVER</b>	Constant Voltage Input, Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage)   H05RN-F 3X1.0mm <sup>2</sup> L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS 091#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D1FD3634	36x0.1W	24V DC 120/240	24V = 235	24V = 5.5	Cool White = 180	09
			120V = 100	120V = 6.7	Warm White = 166	
			240V = 55	240V = 6.6		
D1FC3634	36x0.1W	24V DC 120/240	24V = 235	24V = 5.5	Cool White = 180	09
			120V = 99	120V = 6.7	Warm White = 160	
			240V = 55	240V = 6.5		

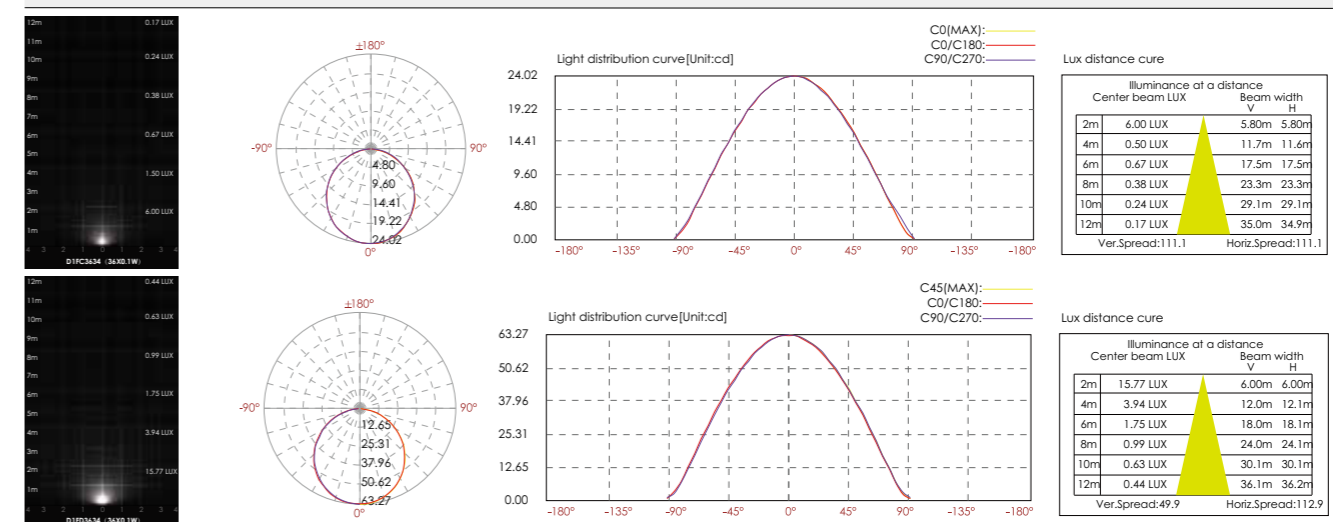
### MOUNTING SLEEVE CHARACTERISTIC



•The clips have been specially modified and upgraded to have a stronger structure in order to make up the absence of the screw fixing.

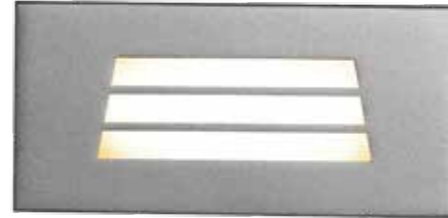
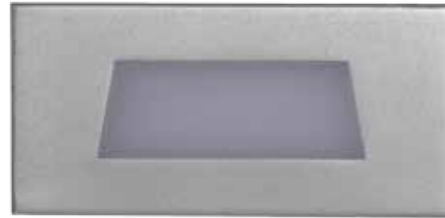
•There are two metal support plates on the bottom of the sleeve. It is used for fixing and preventing the mounting sleeve shifting while filling the concrete.  
•These will simply installer and electrician while they are recessing the sleeves.

### PHOTOMETRIC CURVES



# Diffused Beam Recessed LED Wall Light

Stainless steel front cover with Matte Surface

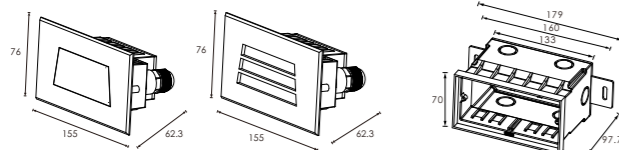


### LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



D1CD1834

D1CC1834

Mounting Sleeve 090#

### OPTICS

N/A

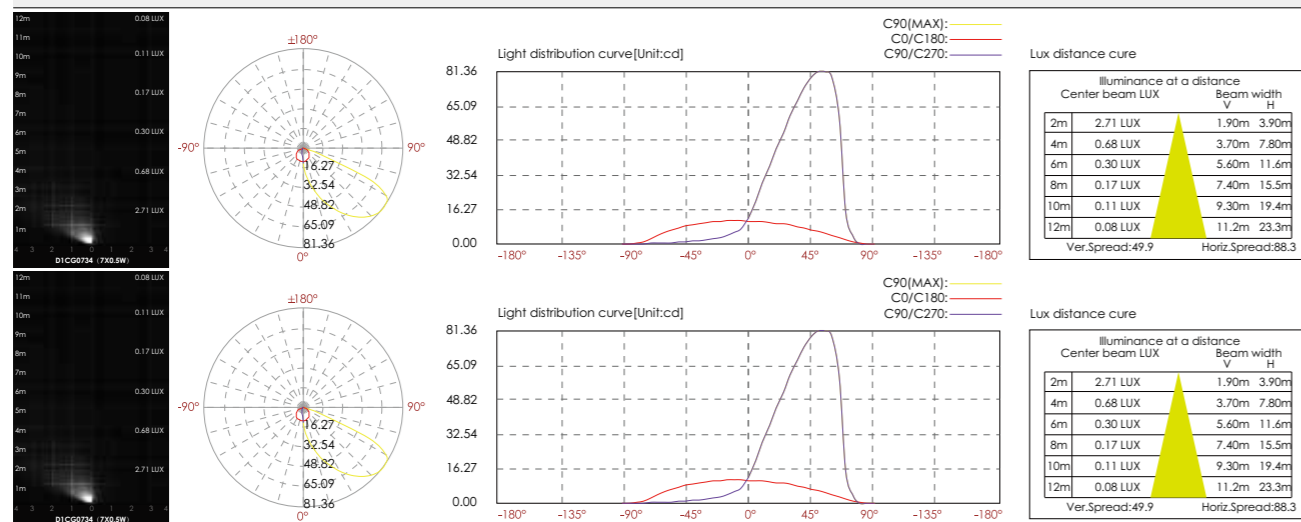
### MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum   T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	Hard chromeplated Stainless steel 316#
<b>LED</b>	SMD3030 type LED
<b>CABLE GLAND</b>	IP67 PG9 PA66
<b>GASKET</b>	Molding shaped silicone seal
<b>LED DRIVER</b>	Constant Voltage Input, Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m (low voltage)   H05RN-F 3X1.0mm2 L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS 090#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>D1CD1834</b>	18x0.2W	24V DC 120/240	24V = 125	24V = 3.0	Cool White = 80 Warm White = 70	09
			120V = 56	120V = 3.4		
			240V = 29	240V = 3.9		
<b>D1CC1834</b>	18x0.2W	24V DC 120/240	24V = 125	24V = 3.0	Cool White = 65 Warm White = 56	09
			120V = 56	120V = 3.4		
			240V = 29	240V = 3.9		

### PHOTOMETRIC CURVES



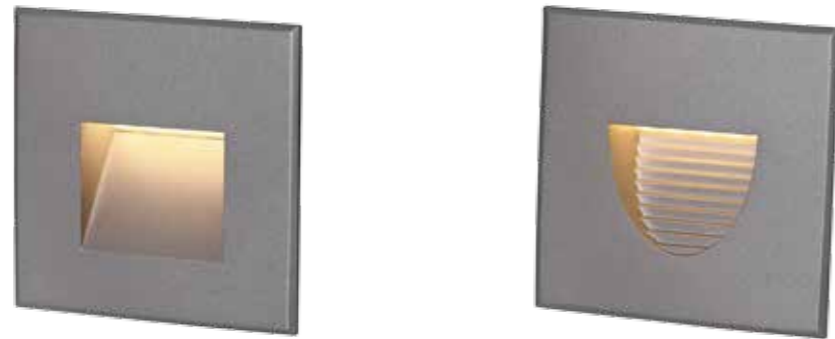
### MOUNTING SLEEVE CHARACTERISTIC



•The clips have been specially modified and upgraded to have a stronger structure in order to make up the absence of the screw fixing.

•There are two metal support plates on the bottom of the sleeve. It is used for fixing and preventing the mounting sleeve shifting while filling the concrete.  
•These will simply installer and electrician while they are recessing the sleeves.

# Recessed LED Stair Light & Wall Light



## LED COLOUR TEMPERATURE

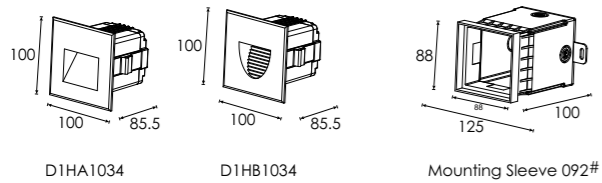
2000K · 3000K · 6000K

## OPTICS

N/A

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



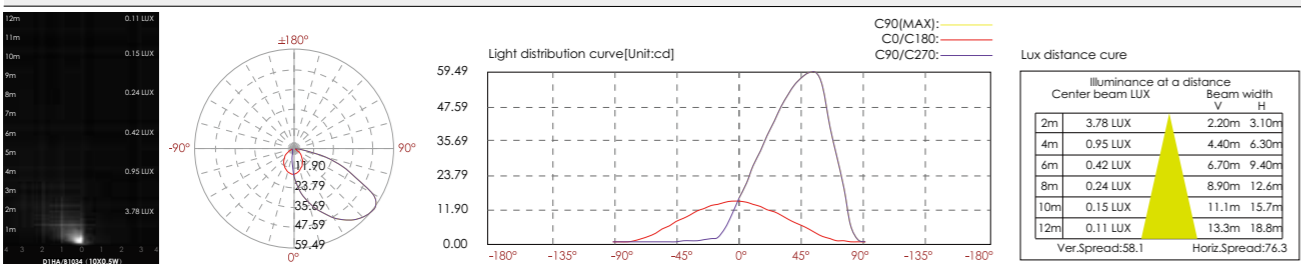
## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	12# Die-casting aluminum RAL7037 powder coated T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>LED</b>	1 SMD3030 type LED
<b>CABLE GLAND</b>	IP67 copper and nicked coated
<b>GASKET</b>	1 Molding shaped silicone seal
<b>LED DRIVER</b>	1 Constant Voltage Input, Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m (low voltage) H05RN-F 3X1.0mm2 L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	1 ABS 092#
<b>DIMMABLE SUPPORT</b>	1 Triac PWM 1-10V Dali

## TECHNICAL DATA

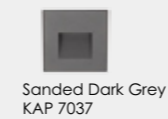
ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D1HA1034	10x0.5W	24V DC 120/240	24V = 230 120V = 100 240V = 55	24V = 5.5 120V = 6.8 240V = 6.8	Cool White = 124.6 Warm White = 112.9	10
D1HB1034	10x0.5W	24V DC 120/240	24V = 230 120V = 100 240V = 55	24V = 5.5 120V = 6.8 240V = 6.8	Cool White = 103 Warm White = 94.5	10

## PHOTOMETRIC CURVES

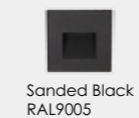


## FRONT COVER COLOR

### Basic



### Secondary



## MOUNTING SLEEVE CHARACTERISTIC



•The clips have been specially modified and upgraded to have a stronger structure in order to make up the absence of the screw fixing.



•There are two metal support plates on the bottom of the sleeve. It is used for fixing and preventing the mounting sleeve shifting while filling the concrete.  
•These will simply installer and electrician while they are recessing the sleeves.

# Recessed LED Stair Light & Wall Light

## LED COLOUR TEMPERATURE

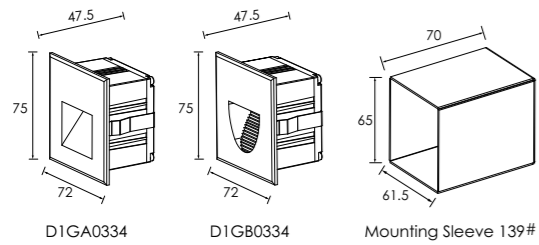
2000K · 3000K · 6000K

## OPTICS

N/A

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## FRONT COVER COLOR

### Basic



Sanded Dark Grey  
KAP 7037

### Secondary



Sanded Light Grey  
RAL 9006



Sanded Black  
RAL9005

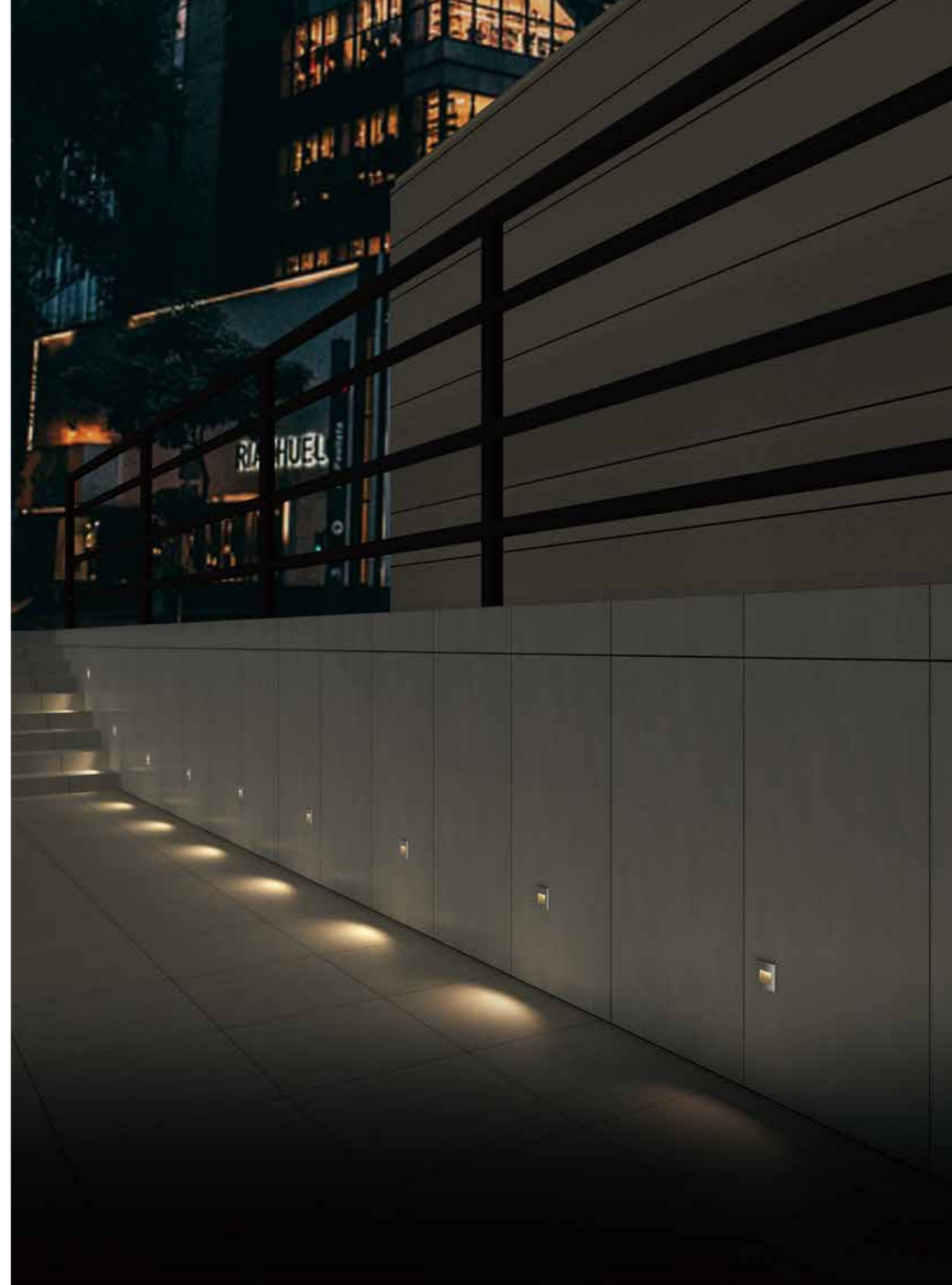
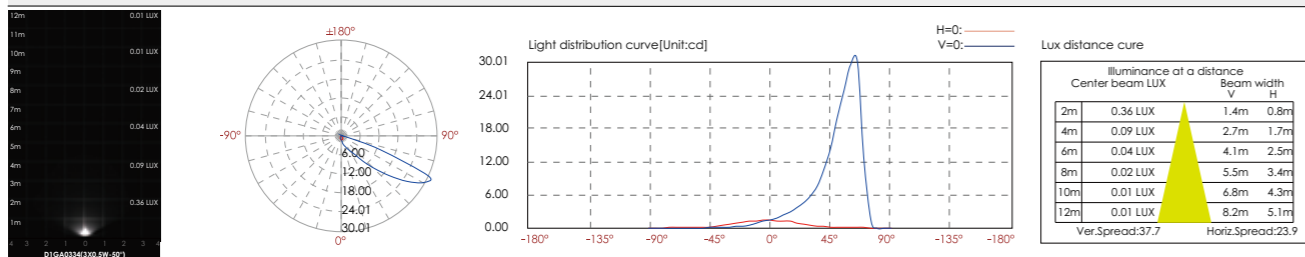
## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting aluminum T=20-25μm. Adhesion of ISO class 1/ ASTM class 4B high temperature painting
<b>LIGHT SOURCE</b>	1 SMD3030 Type LED
<b>LED DRIVER</b>	1 Constant Voltage Input, Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage) H05RN-F 3X1.0mm <sup>2</sup> L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	139# Zinc plated mounting sleeve grey powder Coated, T=60-80μm. Adhesion of ISO class 1/ ASTM class 4B
<b>DIMMABLE SUPPORT</b>	1 Triac PWM 1-10V Dali

## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D1GA0334	3×0.7W	24V DC	24V = 110	24V = 2.6	Cool White = 26	10
		120/240	120V = 48	120V = 3.1	Warm White = 24	
		240V = 29	240V = 3.1			
D1GB0334	3×0.7W	24V DC	24V = 110	24V = 2.6	Cool White = 25	10
		120/240	120V = 48	120V = 3.0	Warm White = 22	
		240V = 29	240V = 3.1			

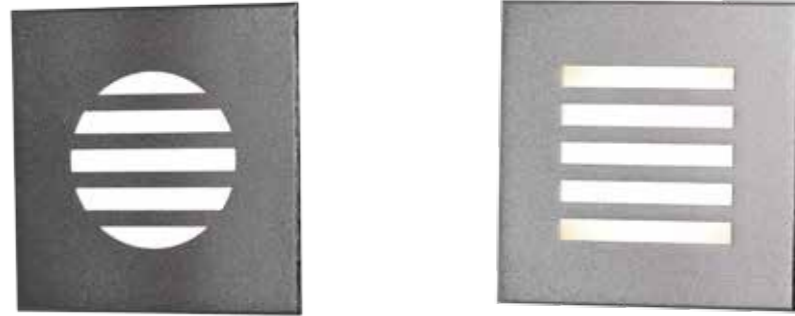
## PHOTOMETRIC CURVES





# Diffused Beam Recessed LED Wall Light

Stainless steel front cover with Matte Surface



### LED COLOUR TEMPERATURE

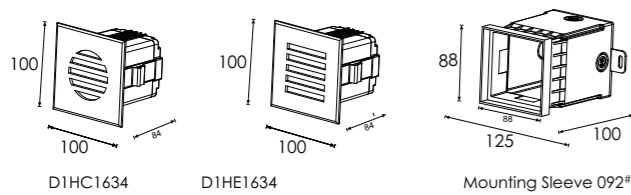
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting grey powder coated aluminum  
| T=60-80um Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chromeplated Stainless steel 316#
- LED** | SMD3030 type LED
- CABLE GLAND** | IP67 copper and nicked coated
- GASKET** | Molding shaped silicone seal
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m (low voltage)  
| H05RN-F 3X1.0mm<sup>2</sup> L=0.5m (high voltage)
- MOUNTING SLEEVE** | ABS 092#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D1HC1634	16×0.2W	24V DC 120/240	24V = 125	24V = 3	Cool White = 35 Warm White = 32	09
			120V = 58	120V = 3.7		
			240V = 34	240V = 3.8		
D1HE1634	16×0.2W	24V DC 120/240	24V = 125	24V = 3	Cool White = 50 Warm White = 45	09
			120V = 58	120V = 3.7		
			240V = 34	240V = 3.8		

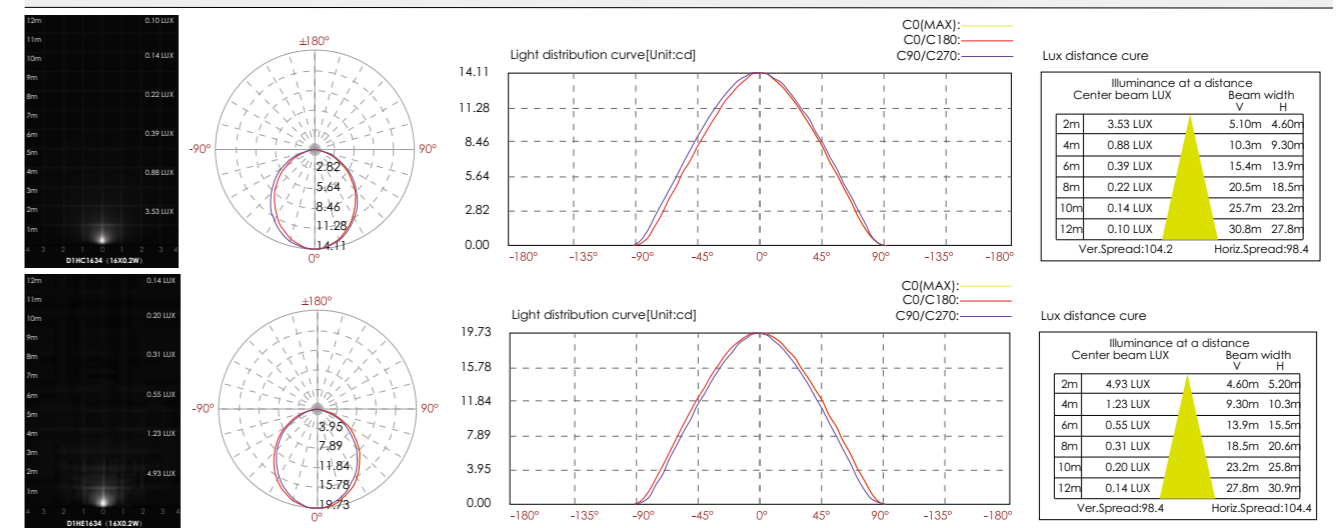
### MOUNTING SLEEVE CHARACTERISTIC



•The clips have been specially modified and upgraded to have a stronger structure in order to make up the absence of the screw fixing.

•There are two metal support plates on the bottom of the sleeve. It is used for fixing and preventing the mounting sleeve shifting while filling the concrete.  
•These will simply installer and electrician while they are recessing the sleeves.

### PHOTOMETRIC CURVES



# Recessed LED Stair Light & Wall Light

## LED COLOUR TEMPERATURE

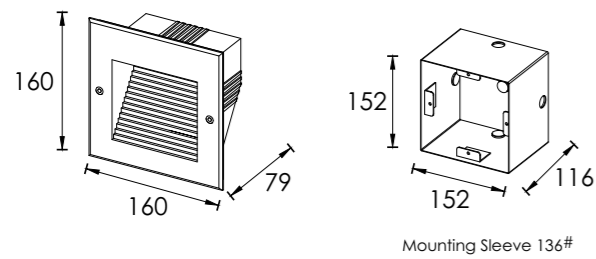
2000K · 3000K · 6000K

## OPTICS

N/A

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## FRONT COVER COLOR

### Basic



Sanded Dark Grey  
KAP 7037

### Secondary



Silver Grey  
KAP 9022



Sanded Black  
RAL9005

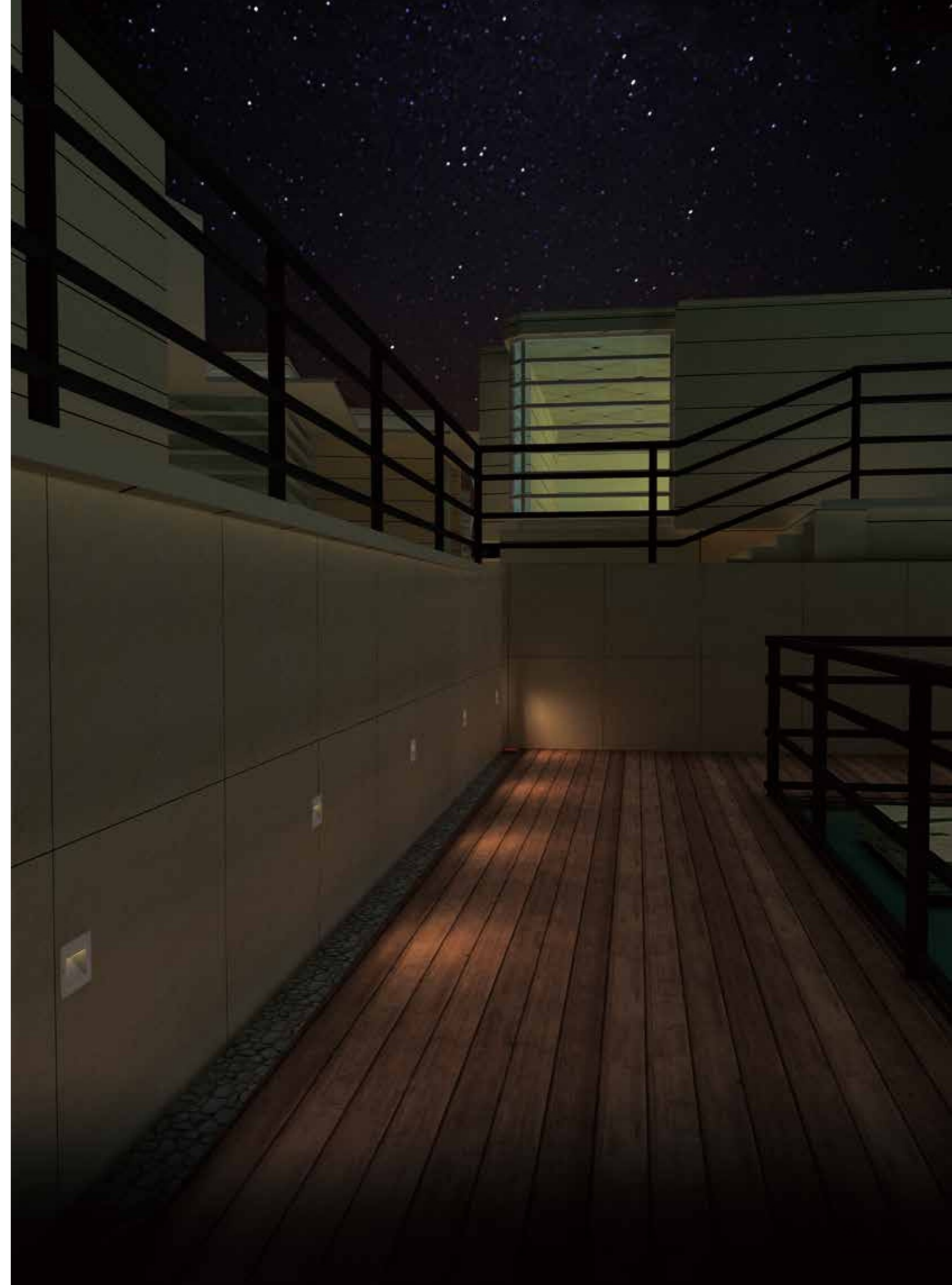
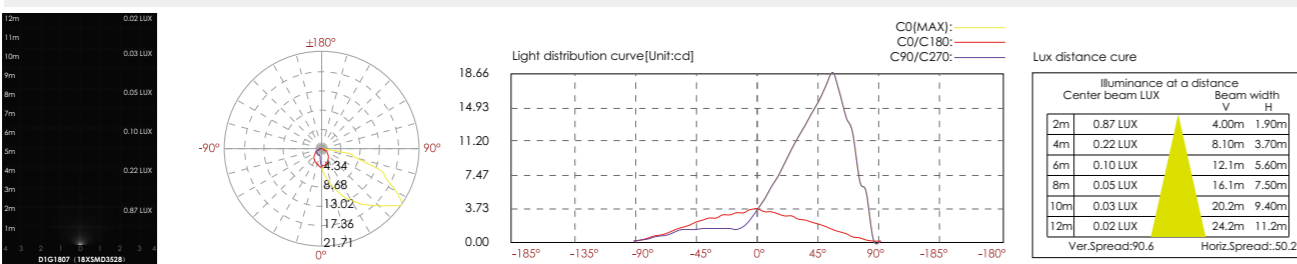
## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	12# Die-casting aluminum PT877U powder coated T=20-30um.Adhesion of ISO class 1/ASTM class 4B
<b>LED</b>	SMD2835 type power LED
<b>CABLE GLAND</b>	IP67 copper and nicked coated
<b>GASKET</b>	Molding shaped silicone seal
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m (low voltage) H05RN-F 3X1.0mm2 L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ID1G1807:Zinc-coated steel 136#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>D1G1807</b>	18×SMD2835	120°	24V DC 120/240	24V = 50 120V = 27 240V = 17	24V = 1.2 120V = 1.7 240V = 1.8	Cool White = 39 Warm White = 34	10

## PHOTOMETRIC CURVES



# Surface Mounting & Recessed Power LED Wall Light



### LED COLOUR TEMPERATURE

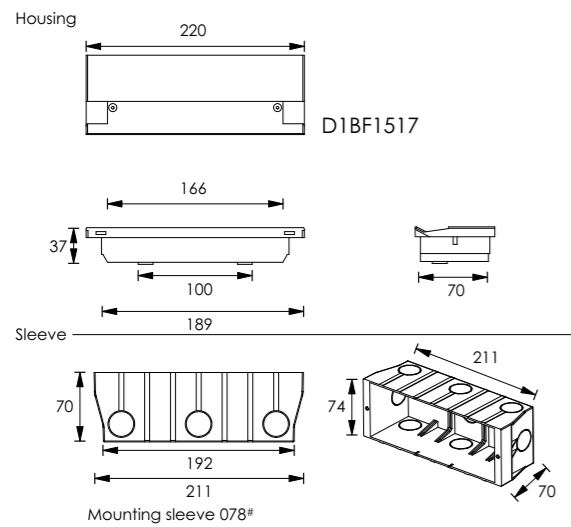
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



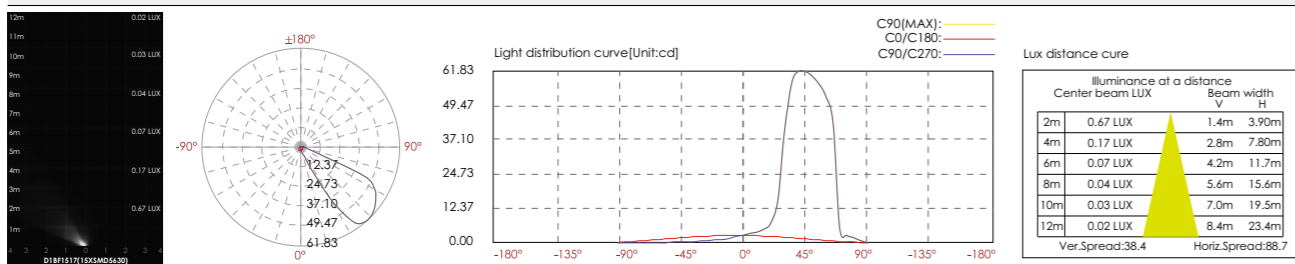
### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting grey powder coated aluminum
- FRONT COVER** | T=60μm Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | 12# Die-casting aluminum
- GASKET** | Molding shaped silicone seal
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m (high voltage)
- MOUNTING SLEEVE** | ABS 078#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
D1BF1517	15×SMD3030	24V DC 120/240	24V = 125 120V = 60 240V = 34	24V = 3 120V = 3.7 240V = 3.7	Cool White = 73 Warm White = 65

### PHOTOMETRIC CURVES

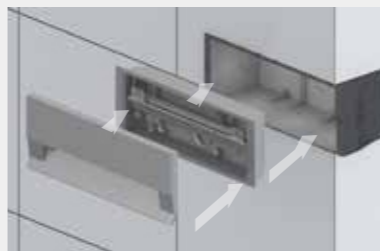


### FRONT COVER COLOR



### MOUNTING SLEEVE CHARACTERISTIC

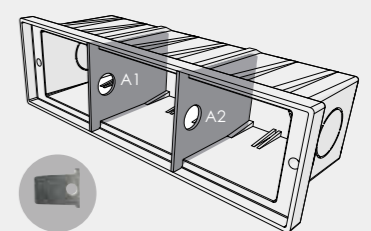
Recessed Installation



Surfaced Installation



Mounting Sleeve Characteristic



- The above picture-"A" is the supporting plate, used for "mounting sleeve" during the construction installation process to prevent deformation of the sleeve.
- The loading way such as A1, A2
- Please take out the supporting plate (A1 & A2) from the "mounting box" before installation.

# Trimless Asymmetrical Recessed Stair Light and Wall Light



B1ABR0102



B1ABS0102

### LED COLOUR TEMPERATURE

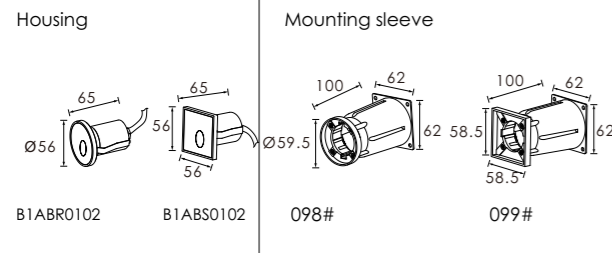
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



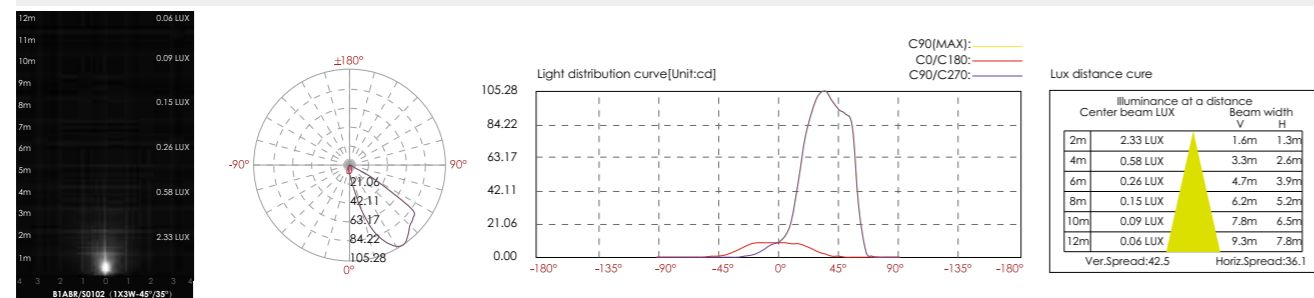
### MATERIAL SPECIFICATIONS

Housing | 12 # Die-casting aluminum T=20-25μm.Adhesion of ISO class 1/ ASTM class 4B high temperature painting  
 Light Source | Emitter type power LED  
 LED Driver | Constant Voltage Input,Constant Current Output  
 Glass pressure capacity | Full area=2292kgs  
 Operating temperature | -20°C~40°C  
 Power Cable | H05RN-F 2X1.0mm<sup>2</sup> L=0.3m  
 Mounting sleeve | ABS 098#/099 #+Stainless Steel Ring

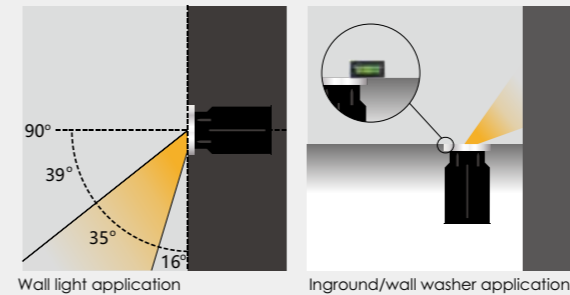
### TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
B1ABR0102	1×3W	L0180C010AR	45° 35°	24V DC	137	3.3	Cool white =54 Warm white =52	04
B1ABS0102	1×3W	L0180C010AR	45° 35°	24V DC	137	3.3	Cool white =54 Warm white =52	04

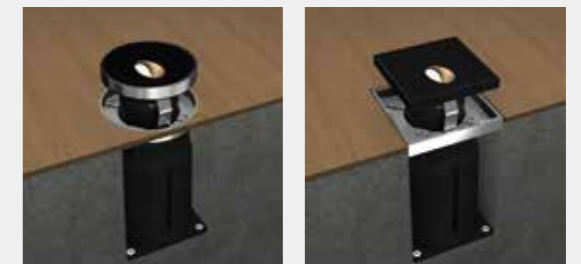
### PHOTOMETRIC CURVES



### Asymmetrical Demo



### Installation Demo



# Recessed LED Stair Light & Wall Light

Stainless steel front cover with Matt Surface



### LED COLOUR TEMPERATURE

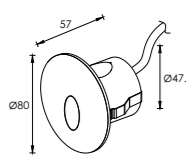
2000K · 3000K · 6000K

### OPTICS

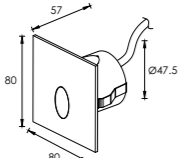
N/A

### OUTER DIMENSIONS & ACCESSORIES

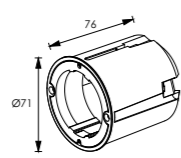
Unit:mm



B1SR0101 B



B1SS0101 B



Mounting Sleeve 035#

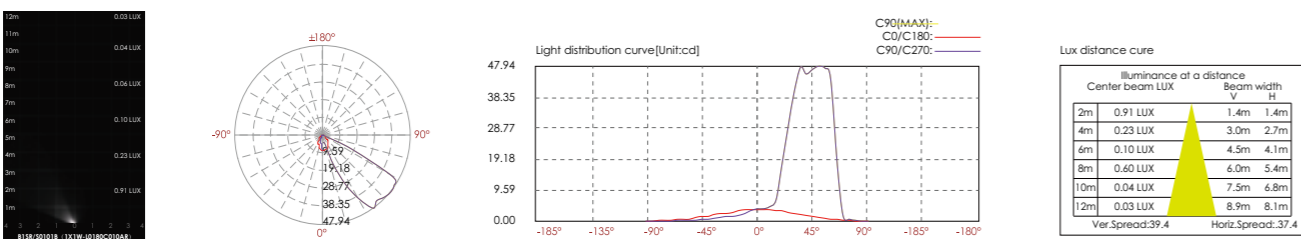
### MATERIAL SPECIFICATIONS

- HOUSING** | Molding shaped stainless-steel SUS 316L
- LIGHT SOURCE** | OSRAM
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.5m (low voltage)  
H05RN-F 3X1.0mm2 L=0.5m (high voltage)
- MOUNTING SLEEVE** | ABS 035#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B1SR0101 B	1×1W	L0180C010AR	80°	24V DC	24V = 59	24V = 1.46	Cool White = 51 Warm White = 46	10
				120/240	120V = 26	120V = 1.7		
					240V = 16	240V = 1.7		
B1SR0101 B	1×1W	L0180C010AR	80°	24V DC	24V = 59	24V = 1.46	Cool White = 51 Warm White = 46	10
				120/240	120V = 26	120V = 1.7		
					240V = 16	240V = 1.7		

### PHOTOMETRIC CURVES



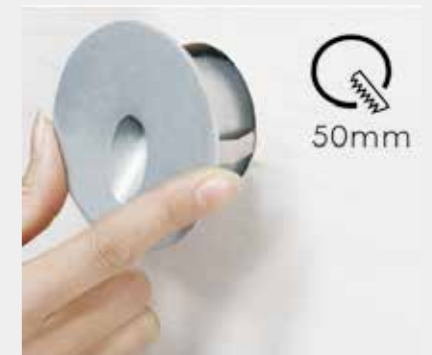
### BEAM EFFECT DEMO



Wall Recessed



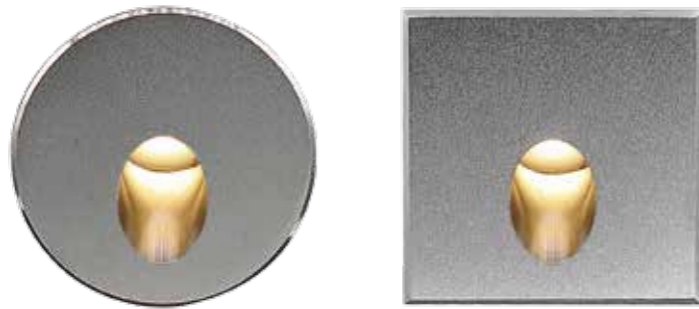
Installation with clips embedded into sleeve, fix on the concrete wall



Installation with clips directly

# Recessed LED Stair Light & Wall Light

Stainless steel front cover with Matt Surface



### LED COLOUR TEMPERATURE

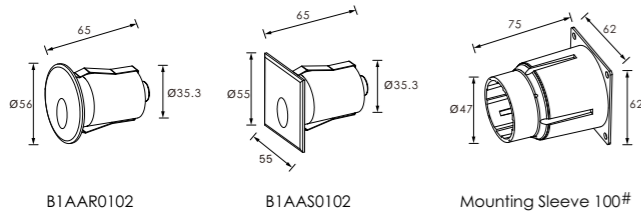
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



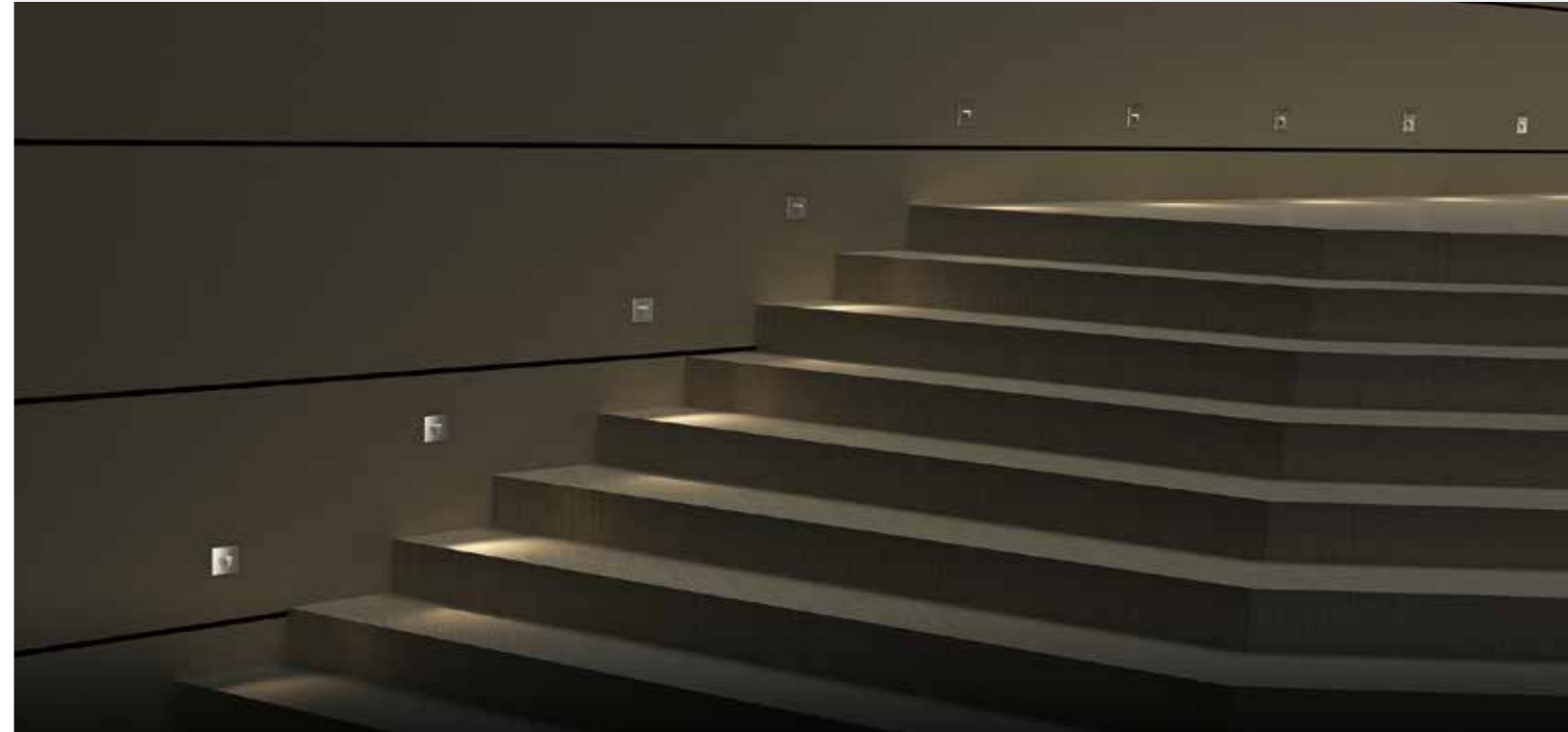
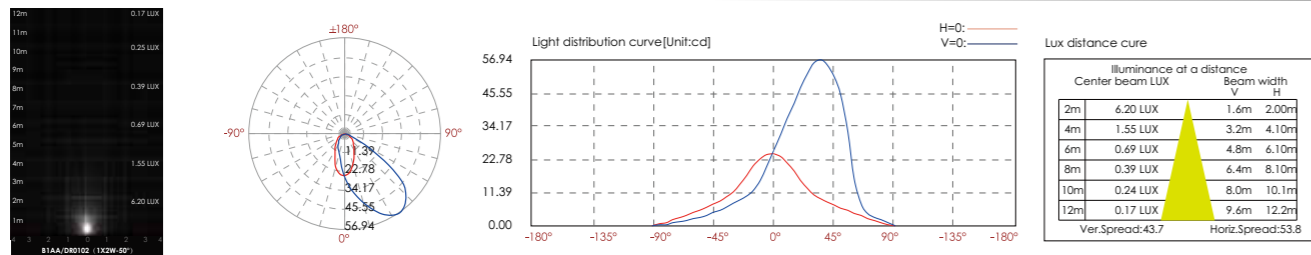
### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting aluminum T=20-25μm. Adhesion of ISO class 1/ ASTM class 4B high temperature painting
- FRONT COVER** | Hard chrome-plated stainless steel SUS 316#
- LIGHT SOURCE** | OSRAM
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.3m (low voltage)
- MOUNTING SLEEVE** | ABS 100 #
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

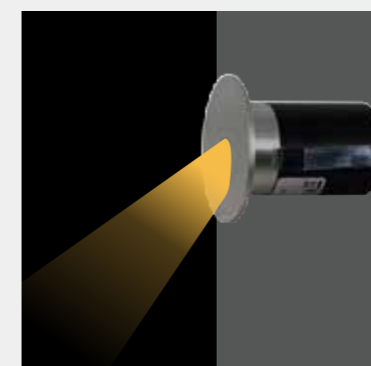
### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B1AAR0102	1×2W	L0180C010AR	50°	24V DC	100	2.4	Cool White = 40 Warm White = 36	10
B1AAS0102	1×2W	L0180C010AR	50°	24V DC	100	2.4	Cool White = 40 Warm White = 36	10

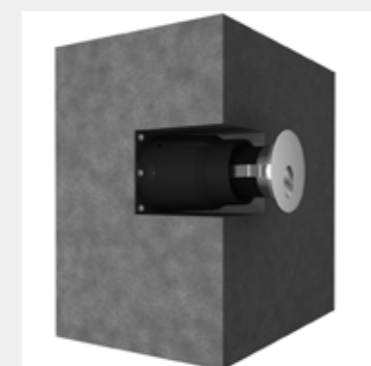
### PHOTOMETRIC CURVES



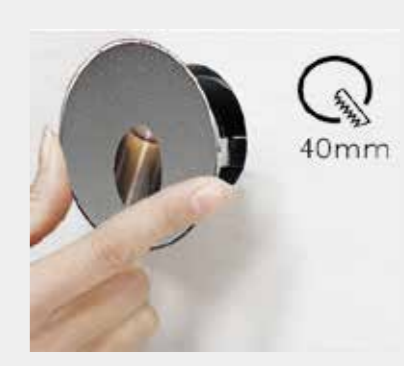
### LIGHTING EFFECT DEMO & INSTALLATION



Wall Recessed



Installation with clips embedded into sleeve, fix on the concrete wall



Installation with clips directly sleeve, fix on the concrete wall

# Asymmetrical Recessed LED Stair Light & Wall Light



### LED COLOUR TEMPERATURE

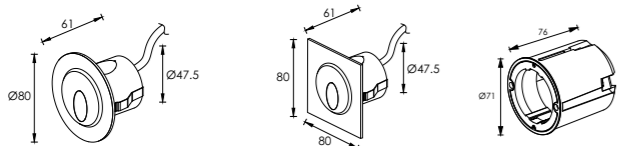
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



B1QR0102

B1QS0102

Mounting Sleeve 035#

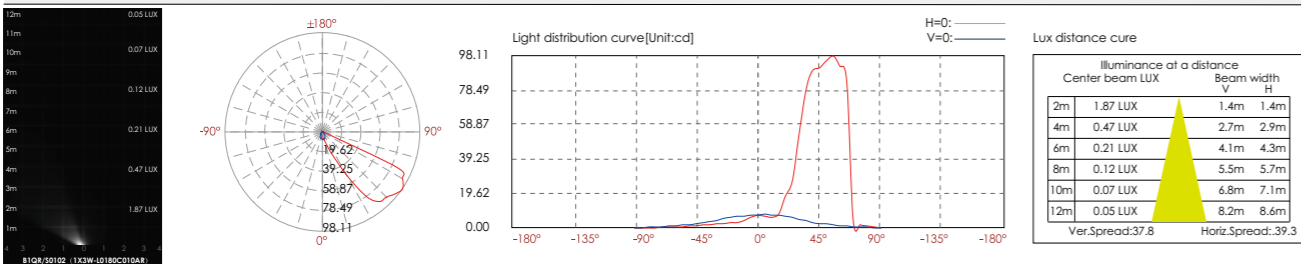
### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting aluminum T=20-25μm. Adhesion of ISO class 1/ ASTM class 4B high temperature painting
- LIGHT SOURCE** | OSRAM
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.3m (low voltage)  
H05RN-F 3X1.0mm2 L=0.3m (high voltage)
- MOUNTING SLEEVE** | ABS 035#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B1QR0102</b>	1×3W	L0180C010AR	80°	24V DC	24V = 110	24V = 2.6	Cool White = 64.7 Warm White = 60	10
				120/240	120V = 48	120V = 3		
				240V = 28	240V = 3.1			
<b>B1QS0102</b>	1×3W	L0180C010AR	80°	24V DC	24V = 110	24V = 2.6	Cool White = 64.7 Warm White = 60	10
				120/240	120V = 48	120V = 3		
				240V = 28	240V = 3.1			

### PHOTOMETRIC CURVES



### FRONT COVER COLOR

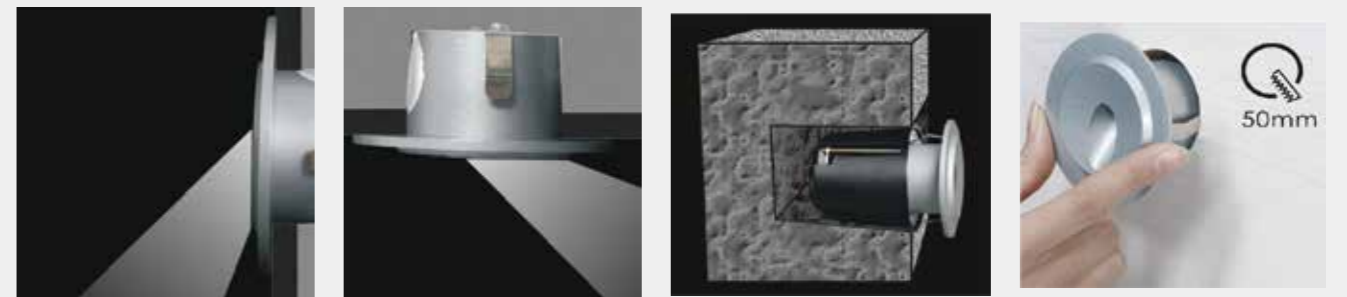


Sanded Brown RAL8019

High Temp silver KAP877U

Sanded Black RAL9005

### LIGHTING EFFECT DEMO



Wall recessed

Ceiling recessed

Installation with clips embedded into sleeve, fix on the concrete wall

Installation with clips directly

# Asymmetrical Recessed LED Stair Light & Wall Light



## LED COLOUR TEMPERATURE

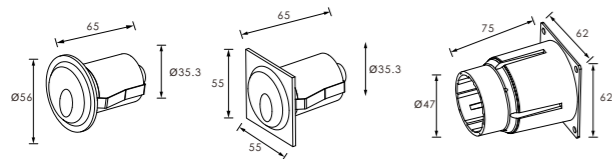
2000K · 3000K · 6000K

## OPTICS

N/A

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



B1ACR0102 B1ACS0102 Mounting Sleeve 100#

## MATERIAL SPECIFICATIONS

- HOUSING&FRONT COVER** | 12 # Die-casting aluminum T=20-25 $\mu$ m.Adhesion of ISO class 1/ ASTM class 4B high temperature painting
- LIGHT SOURCE** | OSRAM
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.3m(low voltage)
- MOUNTING SLEEVE** | ABS 100 #
- DIMMABLE SURPPOINT** | Triac PWM 1-10V Dali

## FRONT COVER COLOR



Sanded Brown RAL8019 Sanded Black RAL9005 Silver Resistant Paint RAL9006

## LIGHTING EFFECT DEMO

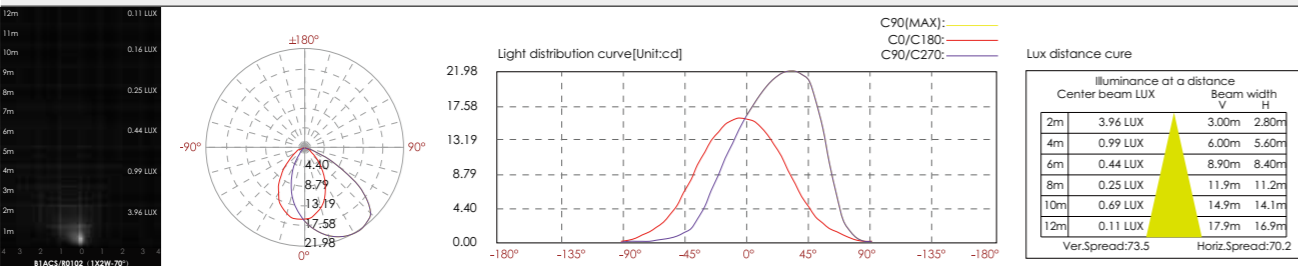


Wall recessed Installation with clips embedded into sleeve,fix on the concrete wall Installation with clips directly

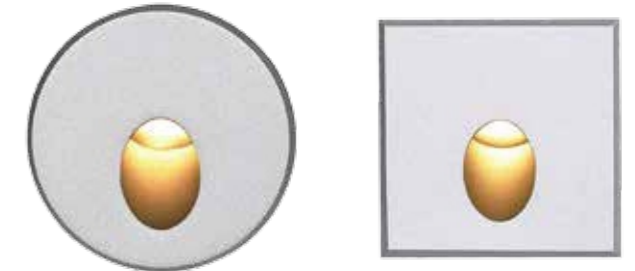
## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B1ACR0102	1×2W	L0180C010AR	70°	24V DC	100	2.4	Cool White = 51 Warm White = 46	10
B1ACS0102	1×2W	L0180C010AR	70°	24V DC	100	2.4	Cool White = 51 Warm White = 46	10

## PHOTOMETRIC CURVES



# Asymmetrical Recessed LED Stair Light & Wall Light



## LED COLOUR TEMPERATURE

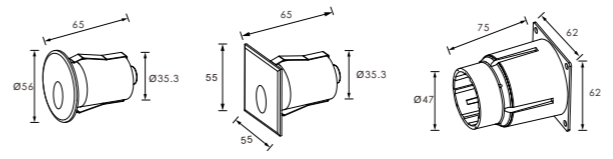
2000K · 3000K · 6000K

## OPTICS

N/A

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm

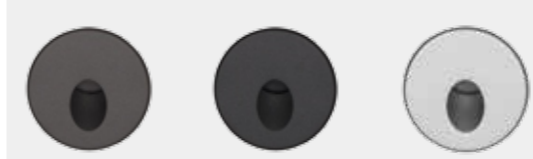


B1ADR0102 B1ADS0102 Mounting Sleeve 100#

## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting aluminum T=20-25 $\mu$ m.Adhesion of ISO class 1/ ASTM class 4B high temperature painting
- FRONT COVER** | 12# Die-casting aluminum
- LIGHT SOURCE** | OSRAM
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.3m(low voltage)
- MOUNTING SLEEVE** | ABS 100 #
- DIMMABLE SURPPOINT** | Triac PWM 1-10V Dali

## FRONT COVER COLOR



Sanded Brown RAL8019 Sanded Black RAL9005 Silver Resistant Paint RAL9006

## BEAM EFFECT DEMO

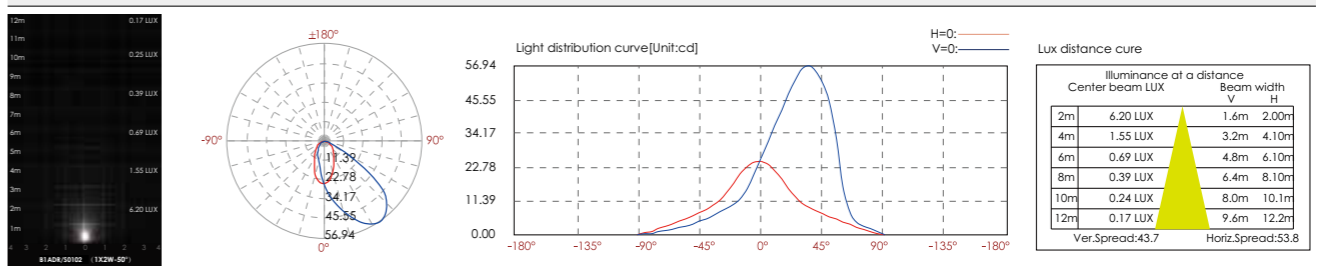


Wall recessed Installation with clips embedded into sleeve,fix on the concrete wall Installation with clips directly

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B1ADR0102	1×2W	L0180C010AR	50°	24V DC	100	2.4	Cool White = 54 Warm White = 49	10
B1ADS0102	1×2W	L0180C010AR	50°	24V DC	100	2.4	Cool White = 54 Warm White = 49	10

## PHOTOMETRIC CURVES





# Recessed LED Stair Light & Wall Light

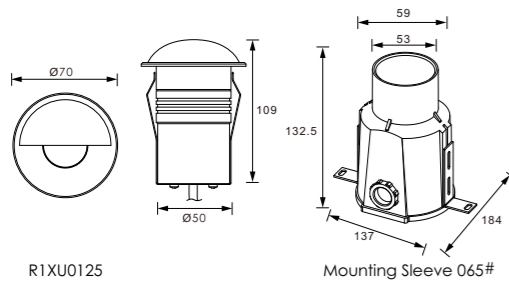
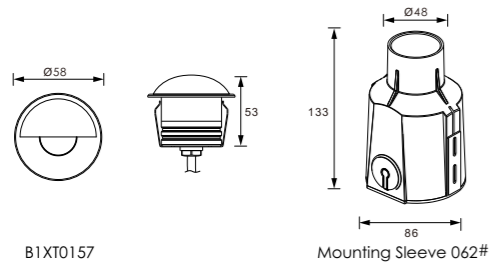
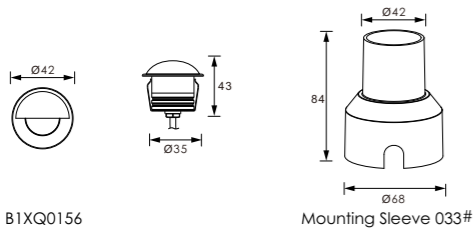


## LED COLOUR TEMPERATURE

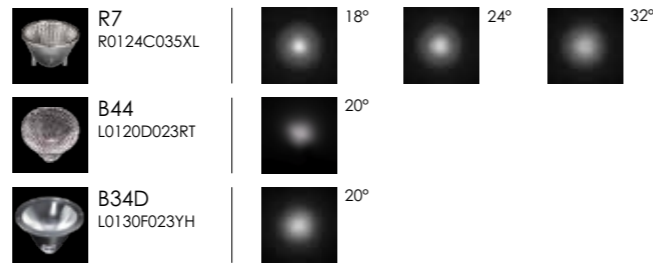
2000K · 3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## OPTICS



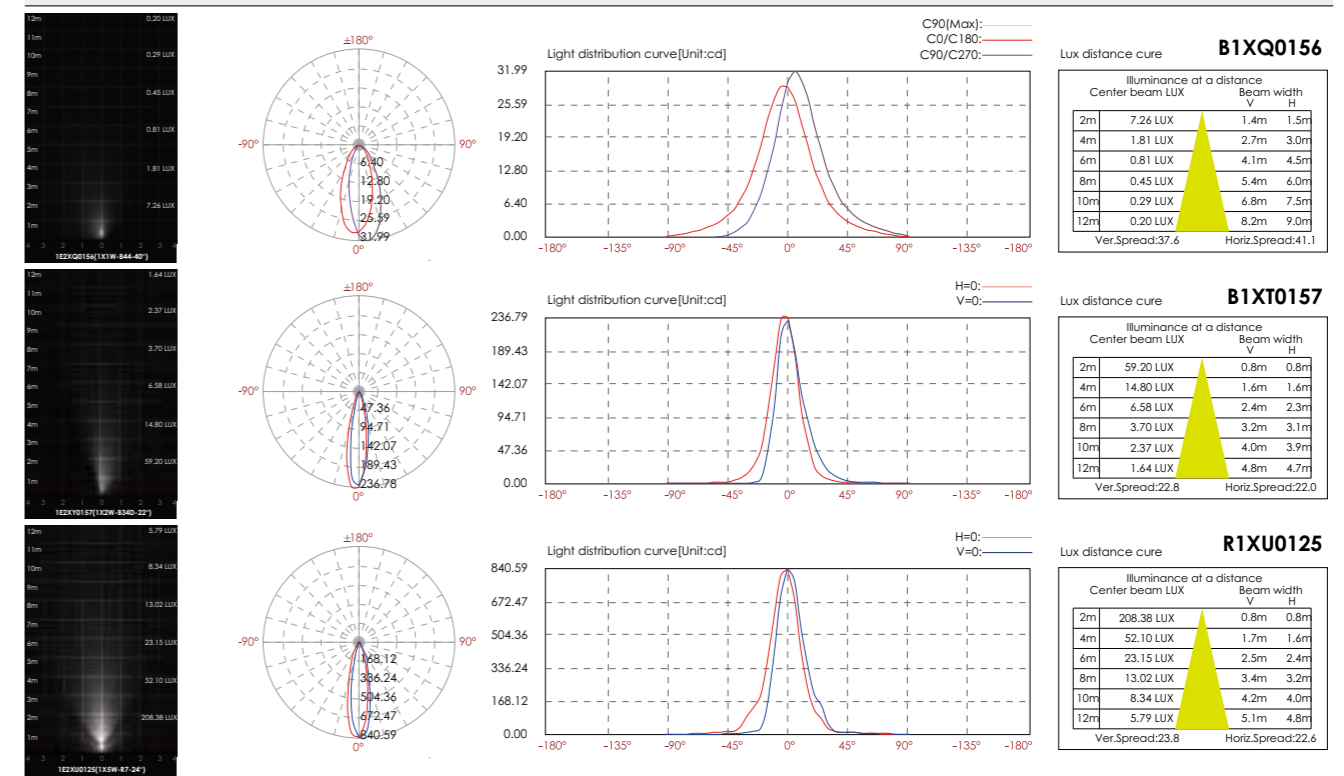
## MATERIAL SPECIFICATIONS

- HOUSING&FRONT COVER** | 12 # Die-casting dark grey powder coated aluminum  
T=60-80µm,Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | Step tempered clear glass.T=4mm
- LOADING CAPACITY** | >2000kg
- CABLE GLAND** | IP67 copper and nicked coated
- GASKET** | Molding shaped silicone seal
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.5m(low voltage)  
H05RN-F 3X1.0mm2 L=0.5m(High voltage)
- MOUNTING SLEEVE** | ABS 033# 062# 065#
- DIMMABLE SURPPORT** | Triac PWM 1-10V Dali

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(mA)	CONSUMPTION(W)	LUMINANCE(lm)	IK
B1XQ0156	1×1W	B44	40°	24V DC	54	1.3	Cool White = 28 Warm White = 23	10
B1XT0157	1×2W	B34D	22°	24V DC	108	2.6	Cool White = 60 Warm White = 51	10
R1XU0125	1× 5W COB	R7	24°	24V DC 120/240	24V = 265 120V = 52 240V = 32	24V = 6.3 120V = 6 240V = 6	Cool White = 237 Warm White = 208	10

## PHOTOMETRIC CURVES



# Recessed LED Soft Beam Stair Light & Wall Light



### LED COLOUR TEMPERATURE

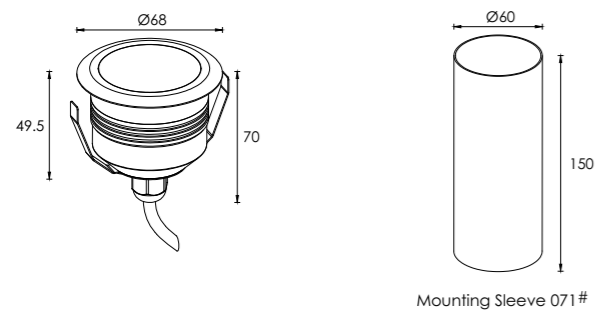
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting grey powder coated aluminum  
| T=60-80µm Adhesion of ISO class 1/ASTM class 4B
- BEAM WINDOWS** | 50% transmittance PC cover
- WATERPROOF SEAL** | Rubber seal
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m(low voltage)  
| H05RN-F 3X1.0mm<sup>2</sup> L=0.5m(high voltage)
- MOUNTING SLEEVE** | ABS 071#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### FRONT COVER COLOR



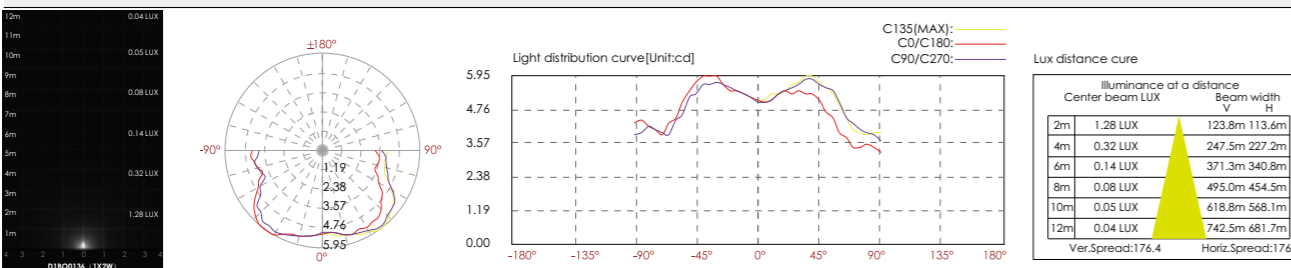
### MOUNTING SLEEVE CHARACTERISTIC



### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D1B00136	1×2W	24V DC 120/240	24V = 110 120V = 46 240V = 26	24V = 2.6 120V = 2.8 240V = 3	Cool White = 19 Warm White = 20	09

### PHOTOMETRIC CURVES



# Recessed LED Wall Recessed Outline Light



### LED COLOUR TEMPERATURE

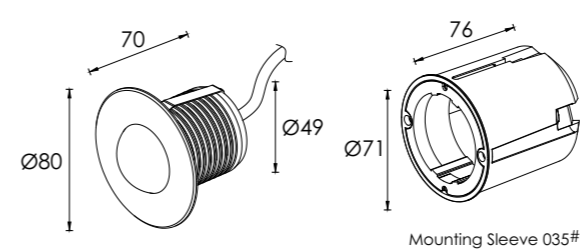
2000K · 3000K · 6000K

### OPTICS

N/A

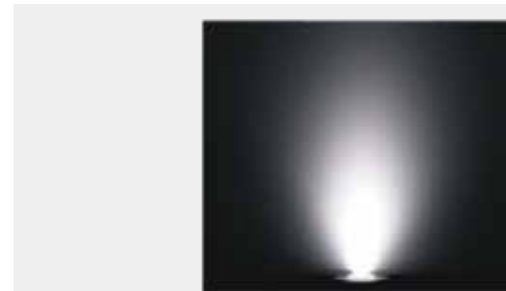
### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting grey powder coated aluminum  
| T=60-80µm Adhesion of ISO class 1/ASTM class 4B
- FRONT RING** | Hard chrome-plated Stainless steel SUS 316#
- LENS** | Optical Glass
- OPERATING TEMPERATURE** | -20°C~40°C
- WATERPROOF SEAL** | Rubber seal
- MOUNTING SLEEVE** | ABS 035#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali



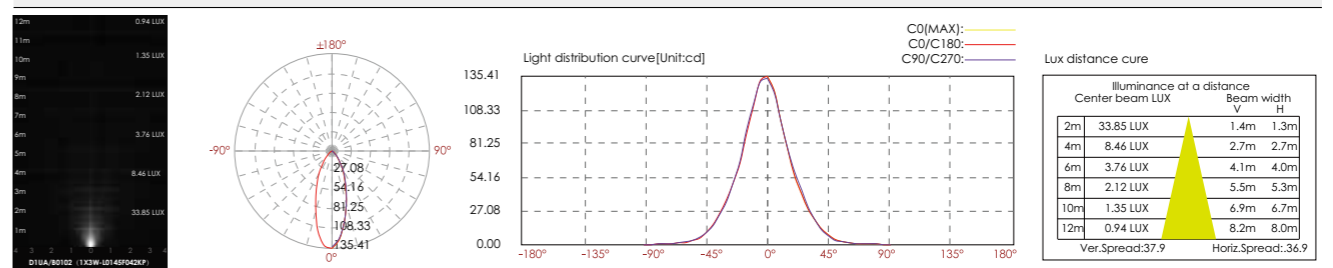
### MOUNTING SLEEVE CHARACTERISTIC



### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D1UA0102	1×3W	L0145F042KP	45°	24V DC 120/240	24V = 110 120V = 48 240V = 28	24V = 2.6 120V = 3.1 240V = 3	Cool White = 31 Warm White = 27	09

### PHOTOMETRIC CURVES



# LED RECESSED WALL LIGHT

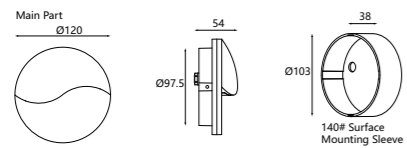


## OPTICS

N/A

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

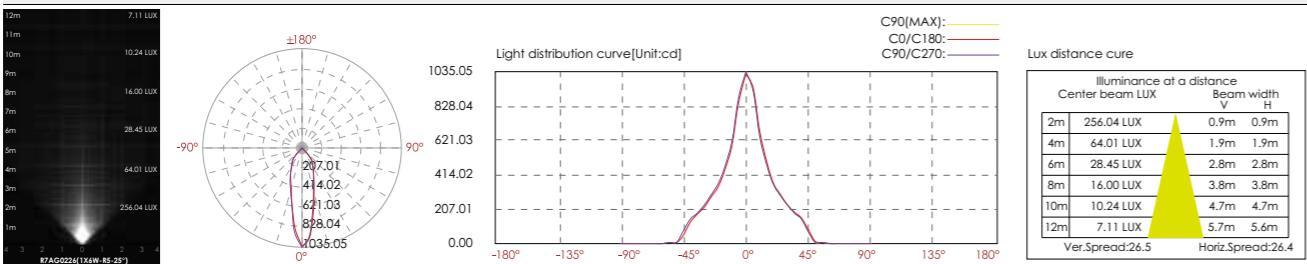
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80 $\mu$ m. Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | PC T=6mm
- GASKET** | Tooling shaped seal
- DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3 $\times$ 1.0mm<sup>2</sup> L=0.3m(high voltage)

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°) $\varnothing$ 1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
D1AJ0634	6 $\times$ 0.5W NICHIA	97.9	240	26	3	36

## PHOTOMETRIC CURVES



## HOUSING COLOR OPTION

- Basic**
  - Dark Grey KAP 7037
- Secondary**
  - Silver Resistant Paint RAL 9006
  - Sanded Black RAL9005



Recessed mounted by 140# sleeve

# LED RECESSED WALL LIGHT

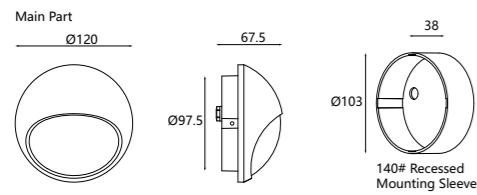


**OPTICS**  
N/A

**LED COLOUR TEMPERATURE**  
2000K · 3000K · 6000K

**OUTER DIMENSIONS & ACCESSORIES** Unit:mm

**MATERIAL SPECIFICATIONS**

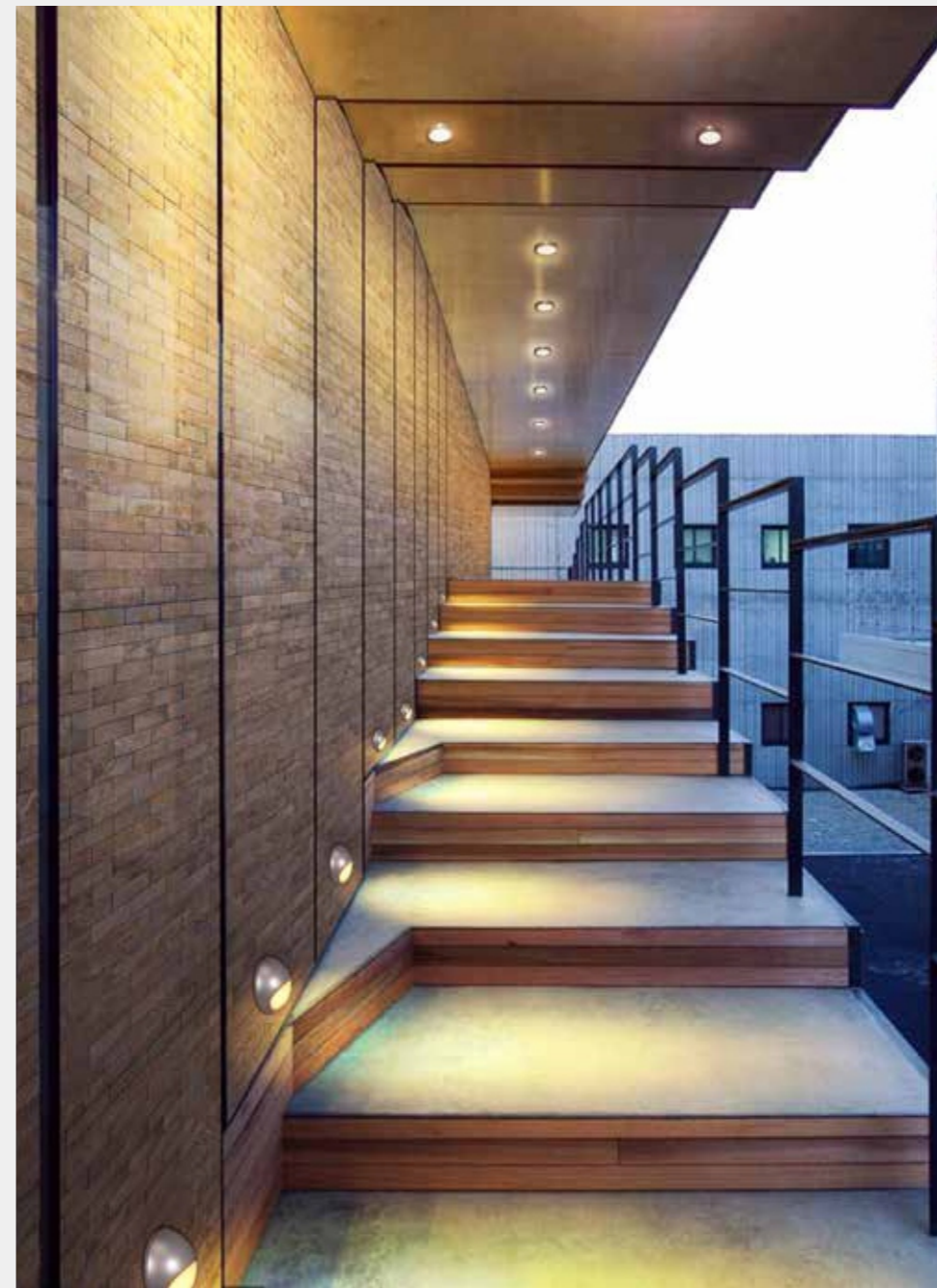
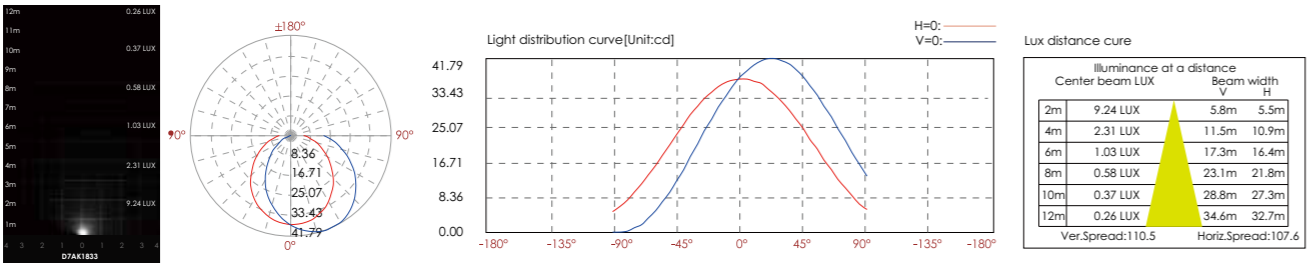


**HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm, Adhesion of ISO class 1/ASTM class 4B  
**LIGHT WINDOW** | PC T=6mm  
**GASKET** | Tooling shaped seal  
**DRIVER** | Constant Voltage Input, Constant Current Output  
**OPERATING TEMPERATURE** | -20°C~40°C  
**POWER CABLE** | H05RN-F 3×1.0mm<sup>2</sup> L=0.3m (high voltage)

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
D1AK1833	18×0.15W NICHIA	110°	240	24	3	117

**PHOTOMETRIC CURVES**




Recessed mounted by 140# sleeve

**HOUSING COLOR OPTION**


**Basic**      **Secondary**



Dark Grey  
KAP 7037



Silver Resistant Paint  
RAL 9006



Sanded Black  
RAL9005

# LED RECESSED WALL LIGHT



## LED COLOUR TEMPERATURE

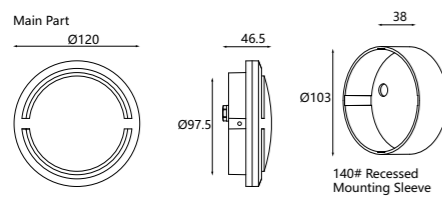
2000K · 3000K · 6000K

## OPTICS

N/A

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



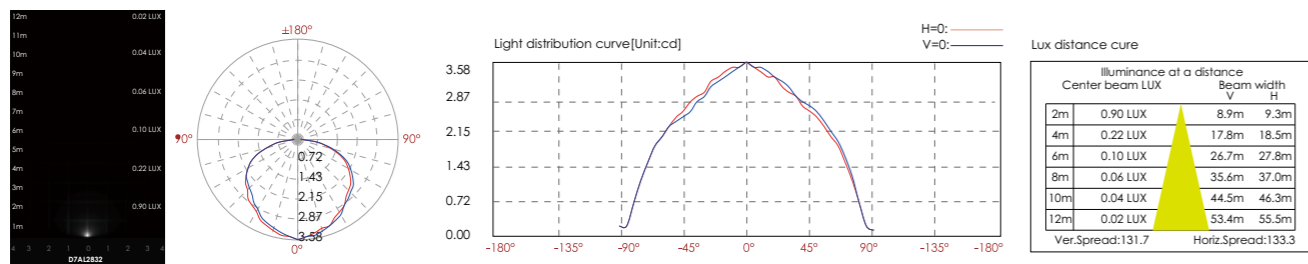
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | PC T=6mm
- GASKET** | Tooling shaped seal
- DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3×1.0mm<sup>2</sup> L=0.3m (high voltage)

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
D1A12832	28×0.1W NICHIA	130	240	14	3	12

## PHOTOMETRIC CURVES



## HOUSING COLOR OPTION

Basic



Dark Grey  
KAP 7037

Secondary



Silver Resistant Paint  
RAL 9006



Sanded Black  
RAL9005



Recessed mounted  
by 140# sleeve

# Wall Mounting Landscape Light

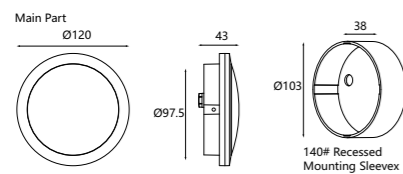


## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## OPTICS

N/A

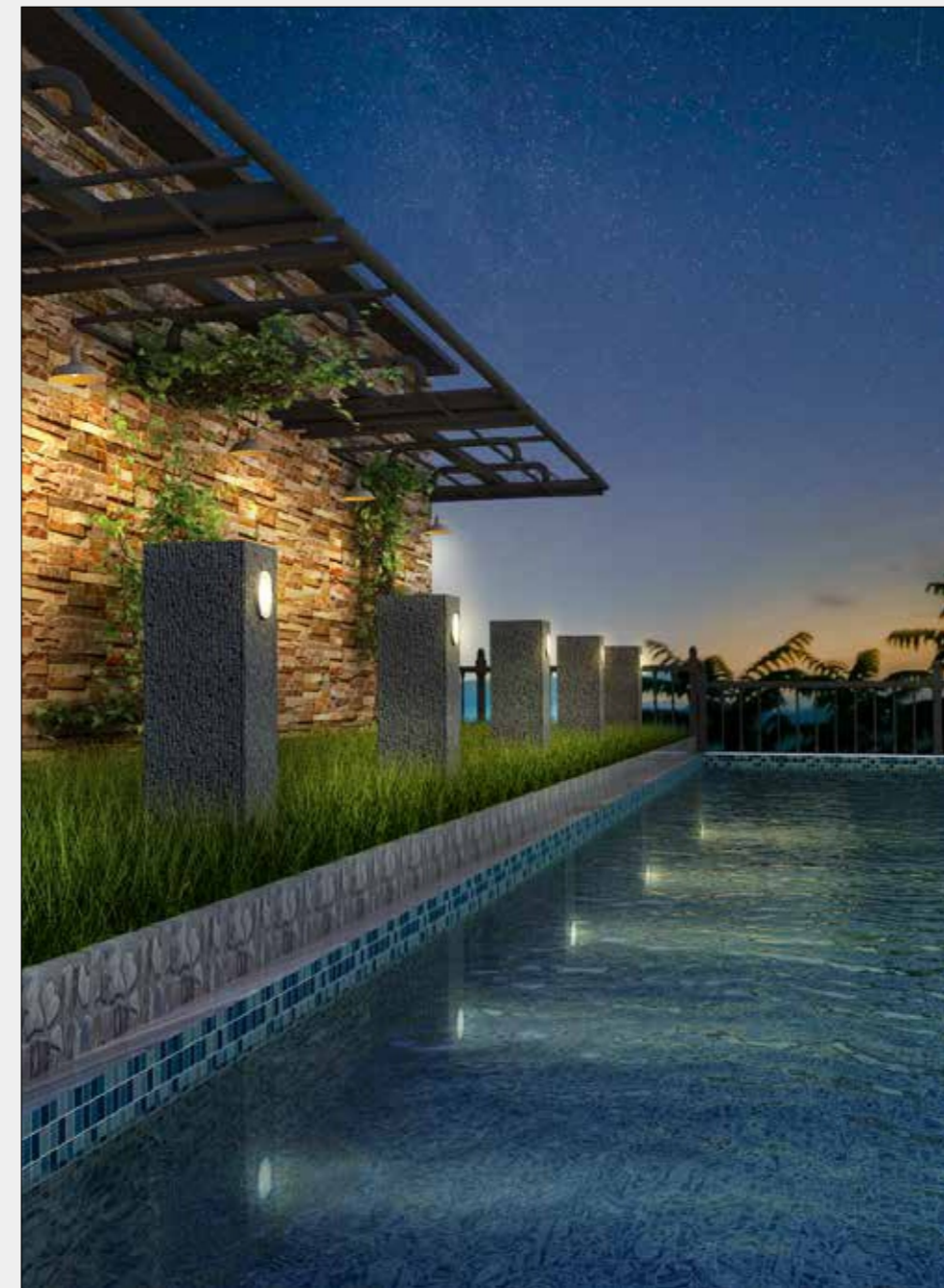
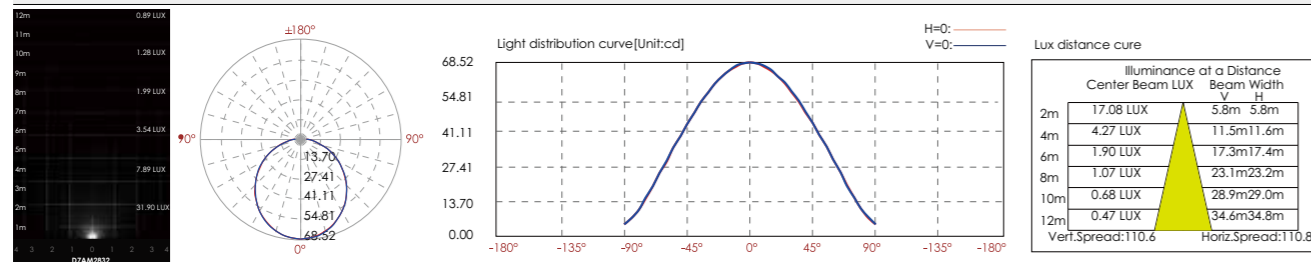
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | PC T=6mm
- GASKET** | Tooling shaped seal
- DRIVER** | Constant Voltage Input,Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3×1.0mm<sup>2</sup> L=0.3m(high voltage)

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
D1AM2832	28×0.1W NICHIA	110	240	14	3	196

## PHOTOMETRIC CURVES



Recessed mounted by 140# sleeve

## HOUSING COLOR OPTION

Basic



Dark Grey  
KAP 7037

Secondary



Silver Resistant Paint  
RAL 9006



Sanded Black  
RAL9005

# INGROUND LIGHT



62



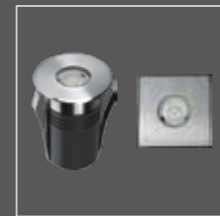
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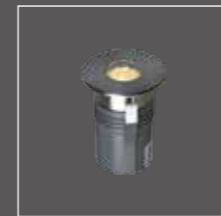
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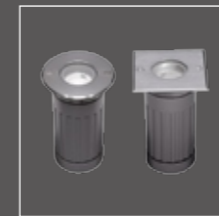
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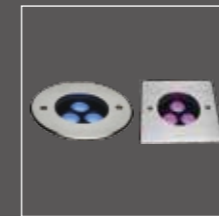
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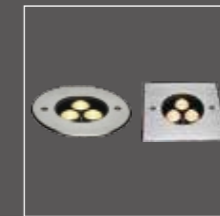
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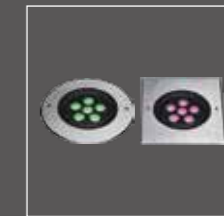
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70



71



72



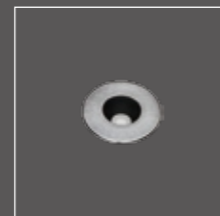
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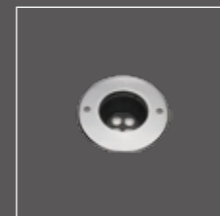
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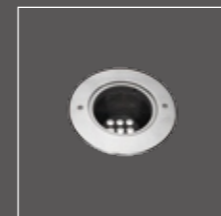
75



77



78



79



80



81



83



84



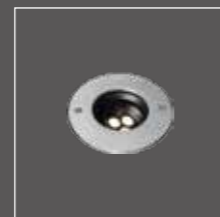
85



86



87



88



91



92

# Up Beam Type Mini LED inground light



**OPTICS**

B15  
L0110D016LK 10°  
L0115D016LK 15°  
L0120D016LK 20°  
L0130D016LK 30°

**LED COLOUR TEMPERATURE**  
2000K · 3000K · 6000K

**MATERIAL SPECIFICATIONS**

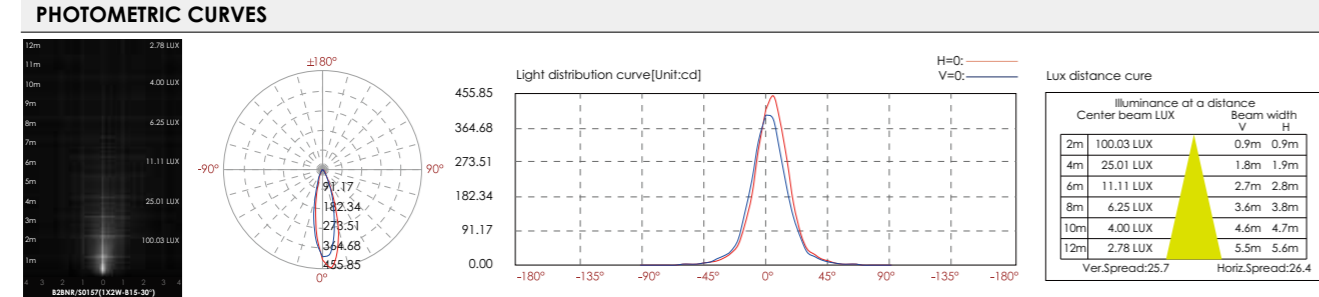
- HOUSING** | Aluminum anodized finishing or powder painting
- FRONT RING** | Hard chromeplated stainless steel SUS 316#
- PMMA** | T=2mm
- CABLE GLAND** | IP67 Nickel coated copper
- GASKET** | Silicone seal
- LENS** | Optical lens, efficiency ≥ 85%
- LED DRIVER** | Constant Current Input
- OPERATING TEMPERATURE** | -20°C ~ 40°C
- POWER CABLE** | H05RN-F 2X0.5mm<sup>2</sup> L=0.3m
- MOUNTING SLEEVE** | ABS 104#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

**OUTER DIMENSIONS & ACCESSORIES** Unit:mm

B2BNS0157      B2BNR0157      104# Mounting sleeve

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B2BNR0157	1×2W	B15	20°	3V DC	500	1.5	Cool White = 148 Warm White = 135	02
B2BNS0157	1×2W	B15	20°	3V DC	500	1.5	Cool White = 148 Warm White = 135	02



# Soft Beam Type Mini LED Inground Light



**OPTICS**  
N/A

**LED COLOUR TEMPERATURE**  
2000K · 3000K · 6000K

**OUTER DIMENSIONS & ACCESSORIES** Unit:mm

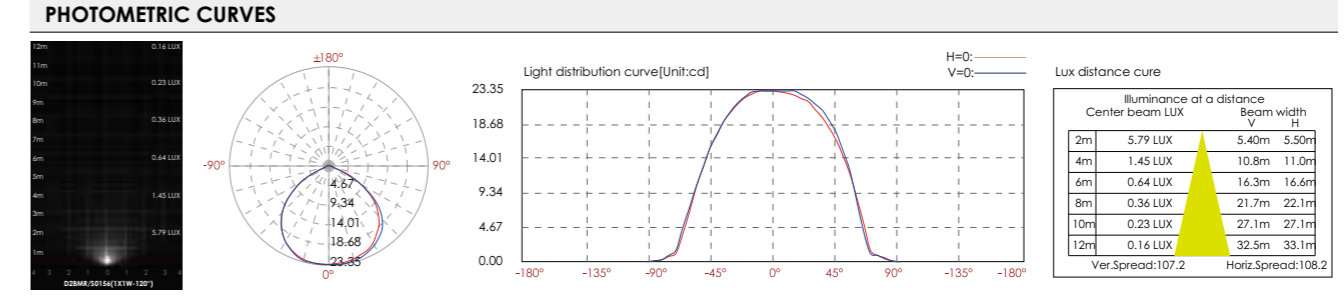
D2BMR0156      D2BMS0156      103# Mounting sleeve

**MATERIAL SPECIFICATIONS**

- HOUSING** | Aluminum anodized finishing or powder painting
- FRONT RING** | Hard chromeplated stainless steel SUS 316#
- PMMA** | T=2mm
- CABLE GLAND** | IP67 Nickel coated copper
- GASKET** | Silicone seal
- LED DRIVER** | Constant Current Input
- OPERATING TEMPERATURE** | -20°C ~ 40°C
- POWER CABLE** | H05RN-F 2X0.5mm<sup>2</sup> L=0.3m
- MOUNTING SLEEVE** | ABS 103#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D2BMR0156	1×1W	—	120°	3V DC	350	1	Cool White = 66 Warm White = 58	02
D2BMS0156	1×1W	—	120°	3V DC	350	1	Cool White = 66 Warm White = 58	02





# Diffuser

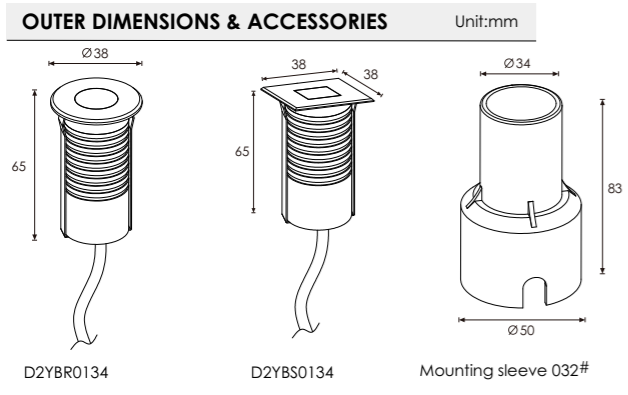
## Tiny Type LED Inground Light

### Stainless Steel Front Cover



**LED COLOUR TEMPERATURE**  
2000K · 3000K · 6000K

**OPTICS**  
N/A



**MATERIAL SPECIFICATIONS**

**HOUSING** | 12# Die-casting grey powder coated aluminum  
T=60-80µm Adhesion of ISO class 1/ASTM class 4B

**LIGHT WINDOW** | Tempered frosted step glass.T=4mm

**LED** | OSRAM or NICHIA

**GLASS PRESSURE CAPACITY** | Full area=254kgs

**OPERATING TEMPERATURE** | -20°C~40°C

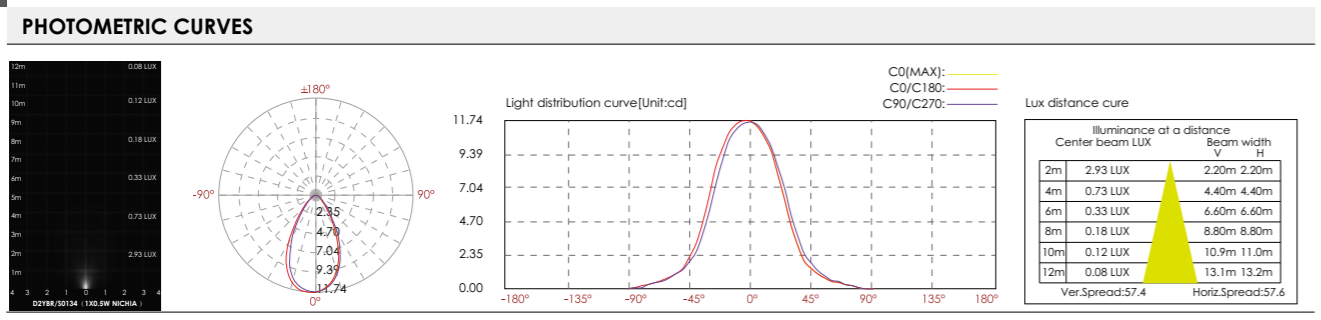
**POWER CABLE** | H05RN-F 2X1.0mm2 L=0.5m(low voltage)

**MOUNTING SLEEVE** | ABS 032#

**DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D2YBR0134	1×0.5W NICHIA	—	—	24V DC	26	0.6	Cool White = 11 Warm White = 9.6	03
D2YBS0134	1×0.5W NICHIA	—	—	24V DC	26	0.6	Cool White = 11 Warm White = 9.6	03



# Up light

## Tiny Type LED Inground Light

### Stainless Steel Front Cover

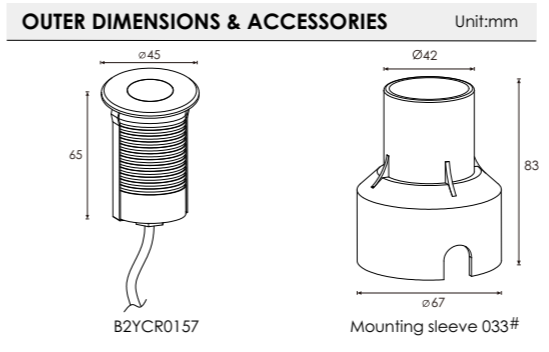


**LED COLOUR TEMPERATURE**  
2000K · 3000K · 6000K

**OPTICS**

B26 L0108C021YT 8°      8°      13°

B27 L0113D021YT 13°  
L0125D021YT 25°  
L0130D021YT 30°      25°      30°



**MATERIAL SPECIFICATIONS**

**HOUSING** | 12# Die-casting grey powder coated aluminum.  
T=60-80µm Adhesion of ISO class 1/ASTM class 4B

**FRONT COVER** | Hard chromeplated Stainless steel SUS 316L#

**LIGHT WINDOW** | Tempered frosted step glass.T=4mm

**LED** | OSRAM

**GLASS PRESSURE CAPACITY** | Full area=254kgs

**OPERATING TEMPERATURE** | -20°C~40°C

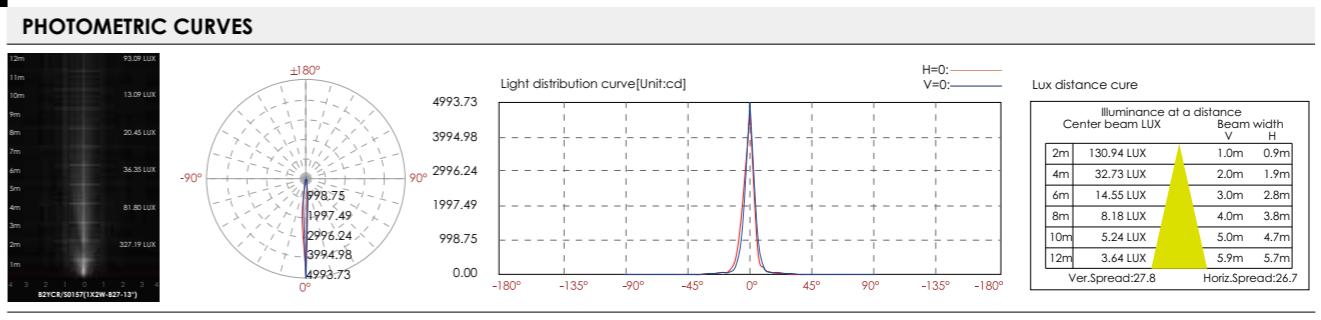
**POWER CABLE** | H05RN-F 2X1.0mm2 L=0.5m(low voltage)

**MOUNTING SLEEVE** | ABS 033#

**DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B2YCR0157	1×2.0W OSRAM	B27	25°	24V DC	110	2.5	Cool White = 135 Warm White = 120	03

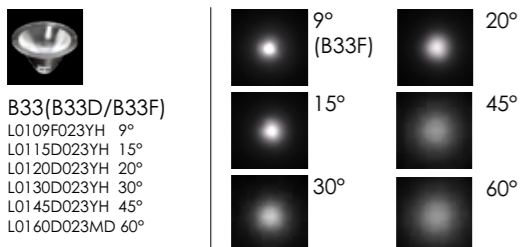


# Strong up light Power LED Inground Light

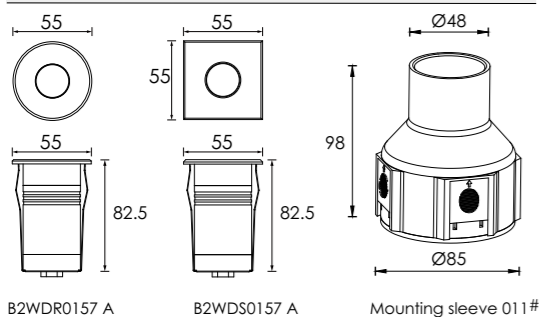
## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES



## OPTIONAL HONEYCOMB LOUVER



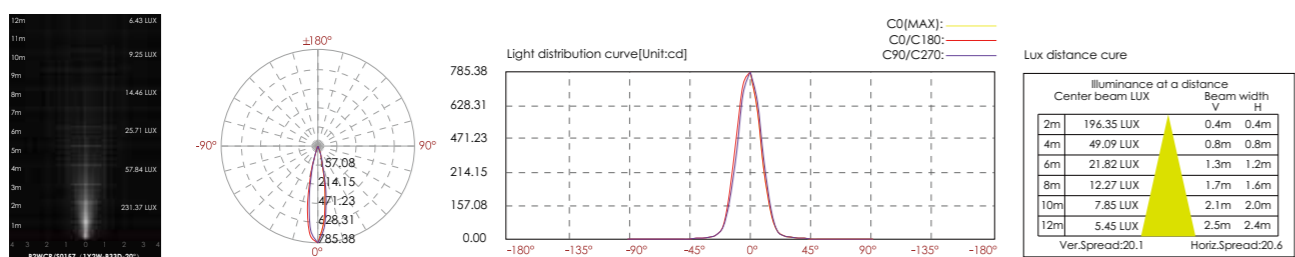
## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum, T=60-80µm Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	Hard chromeplated stainless steel SUS 316#
<b>LIGHT WINDOW</b>	Tempered frosted step glass.T=7mm
<b>LED</b>	OSRAM
<b>GLASS PRESSURE CAPACITY</b>	Full area=1704kgs
<b>GASKET</b>	Molding shaped silicone seal
<b>LENS</b>	Optical lens,efficiency≥85%
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m(low voltage) H05RN-F 3X1.0mm2 L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	ABS 011#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B2WDR0157 A	1×2W	B33D	30°	24V DC	24V=105	24V=2.5	Cool White = 183	08
				120/240	120V=47	120V=3.0	Warm White = 143	
					240V=28	240V=3.1		
B2WDS0157 A	1×2W	B33D	30°	24V DC	24V=105	24V=2.5	Cool White = 183	08
				120/240	120V=47	120V=3.0	Warm White = 143	
					240V=28	240V=3.1		

## PHOTOMETRIC CURVES

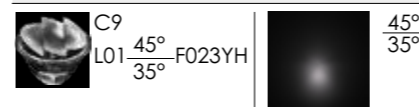


# Asymmetrical Power LED Inground Light

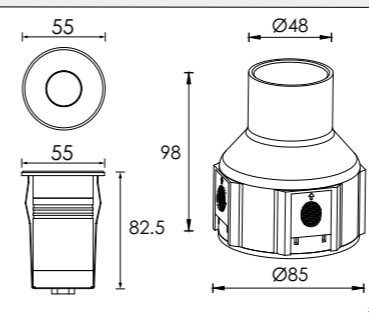
## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES



## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum, T=60-80µm Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	Hard chromeplated stainless steel SUS 316#
<b>LIGHT WINDOW</b>	Tempered frosted step glass.T=7mm
<b>LED</b>	OSRAM
<b>GLASS PRESSURE CAPACITY</b>	Full area=1704kgs
<b>GASKET</b>	Molding shaped silicone seal
<b>LENS</b>	Optical lens,efficiency≥85%
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m(low voltage) H05RN-F 3X1.0mm2 L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	ABS 011#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

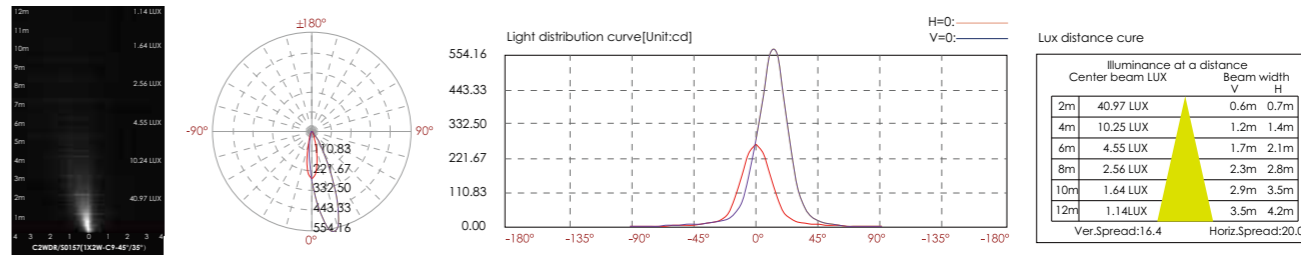
## IMPRESSION DRAWING OF LENS C9



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
C2WDR0157 A	1×2.0W	C9	45° 35°	24V DC	24V=105	24V=2.5	Cool White = 158	08
				120/240	120V=47	120V=3.0	Warm White = 130	
					240V=28	240V=3.1		

## PHOTOMETRIC CURVES



# Strong up light Small Size LED Inground Light



### LED COLOUR TEMPERATURE

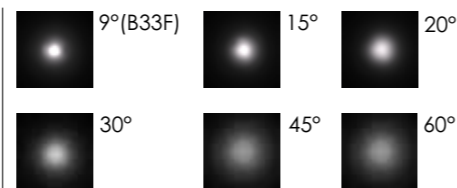
2000K · 3000K · 6000K

### OPTICS



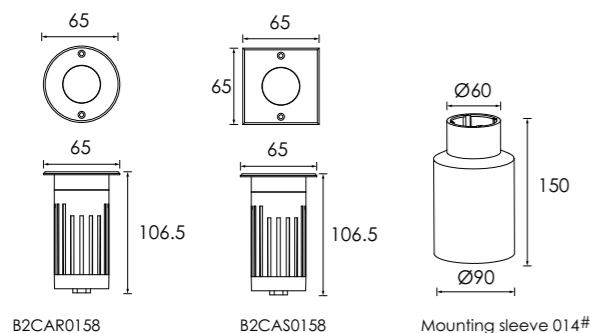
B33(B33D/B33F)

- L0109F023YH 9°
- L0115D023YH 15°
- L0120D023YH 20°
- L0130D023YH 30°
- L0145D023YH 45°
- L0160D023MD60°



### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



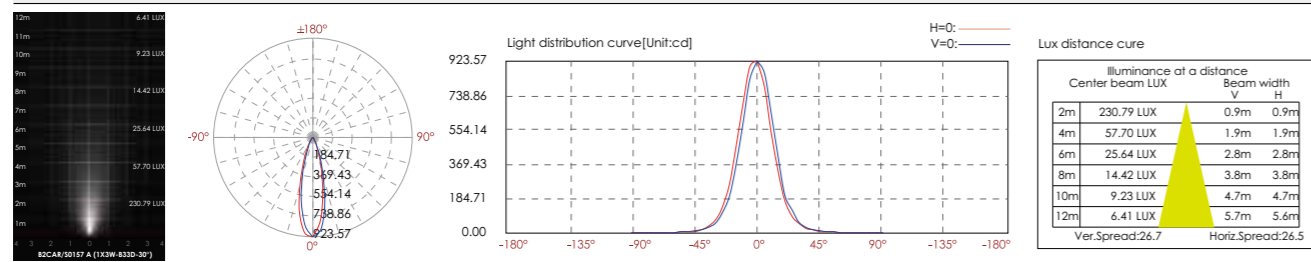
### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting grey powder coated aluminum. T=60-80µm Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chromeplated stainless steel SUS 316#
- LIGHT WINDOW** | Tempered frosted step glass.T=5mm
- LED** | NICHIA
- GLASS PRESSURE CAPACITY** | Full area=783kgs
- GASKET** | Molding shaped silicone seal
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.5m(low voltage)  
H05RN-F 3X1.0mm2 L=0.5m(high voltage)
- MOUNTING SLEEVE** | ABS 014#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

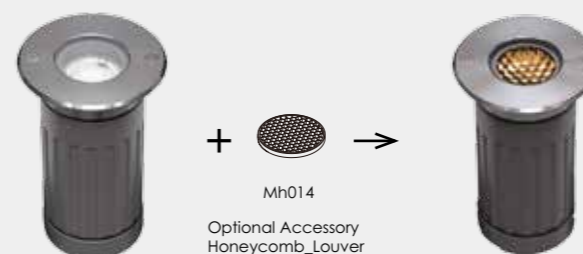
### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B2CAR0158	1×3W	B33D	30°	24V DC 120/240	24V=187 120V=36 240V=22	24V=4.5 120V=4.3 240V=4.3	Cool White = 305 Warm White =267	08
B2CAS0158	1×3W	B33D	30°	24V DC 120/240	24V=187 120V=36 240V=22	24V=4.5 120V=4.3 240V=4.3	Cool White = 305 Warm White = 267	08

### PHOTOMETRIC CURVES



### OPTIONAL HONEYCOMB LOUVER

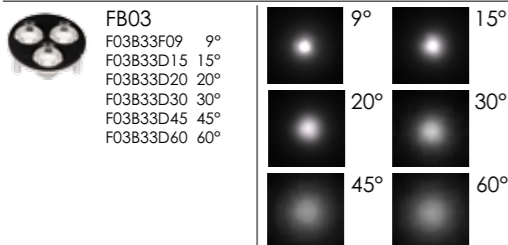


# Symmetrical Power LED Inground Light

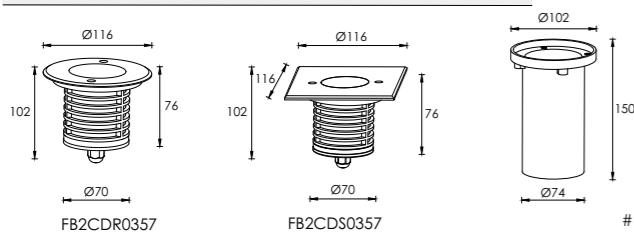
## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OPTICS



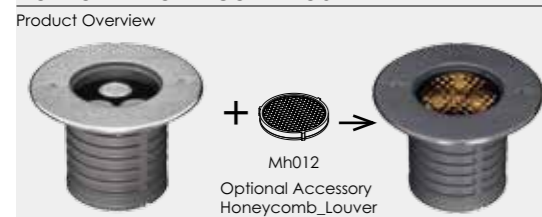
## OUTER DIMENSIONS & ACCESSORIES



## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum. T=60-80µm Adhesion of ISO class 1/ASTM class 4B
<b>FRONT RING</b>	Hard chromeplated stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	Tempered frosted step glass.T=8mm
<b>LED</b>	OSRAM
<b>GLASS PRESSURE CAPACITY</b>	Full area=2578kgs
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>PCB</b>	Excellent heat conductivity aluminum, coefficient of heat Conductivity≥2.0w/mk
<b>LENS</b>	Optical lens,efficiency≥85%
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m(low voltage) H05RN-F 3X1.0mm2 L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	ABS 015#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## OPTIONAL HONEYCOMB LOUVER



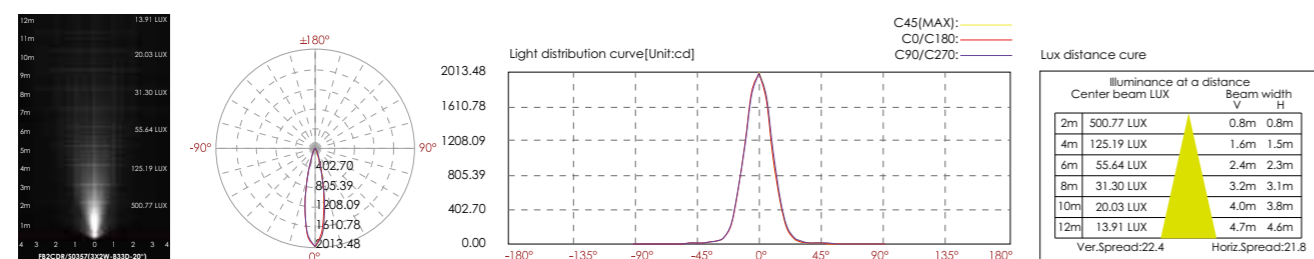
## IMPRESSION DRAWING OF LENS FB03



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
FB2CDR0357	3×2W	FB03	20°	24V DC	24V=206	24V=5.2	Cool White = 479	08
				120V/240	120V=51	120V=6.0	Warm White = 376	
				240V=30	240V=6.0			
FB2CDS0357	3×2W	FB03	20°	24V DC	24V=206	24V=5.2	Cool White = 479	08
				120V/240	120V=51	120V=6.0	Warm White = 376	
				240V=30	240V=6.0			

## PHOTOMETRIC CURVES

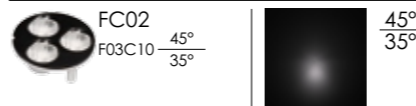


# Asymmetrical Power LED Inground Light

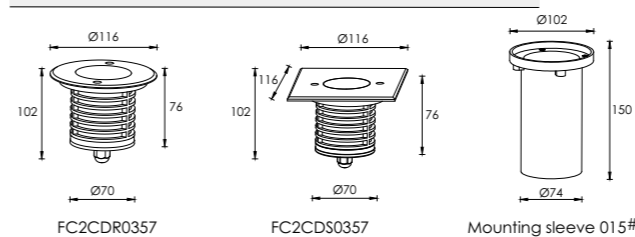
## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OPTICS



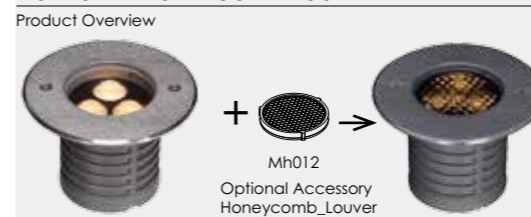
## OUTER DIMENSIONS & ACCESSORIES



## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum. T=60-80µm Adhesion of ISO class 1/ASTM class 4B
<b>FRONT RING</b>	Hard chromeplated stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	Tempered frosted step glass.T=8mm
<b>LED</b>	OSRAM
<b>GLASS PRESSURE CAPACITY</b>	Full area=2578kgs
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>PCB</b>	Excellent heat conductivity aluminum, coefficient of heat Conductivity≥2.0w/mk
<b>LENS</b>	Optical lens,efficiency≥85%
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2L=0.5m(low voltage) H05RN-F 3X1.0mm2L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	ABS 015#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## OPTIONAL HONEYCOMB LOUVER



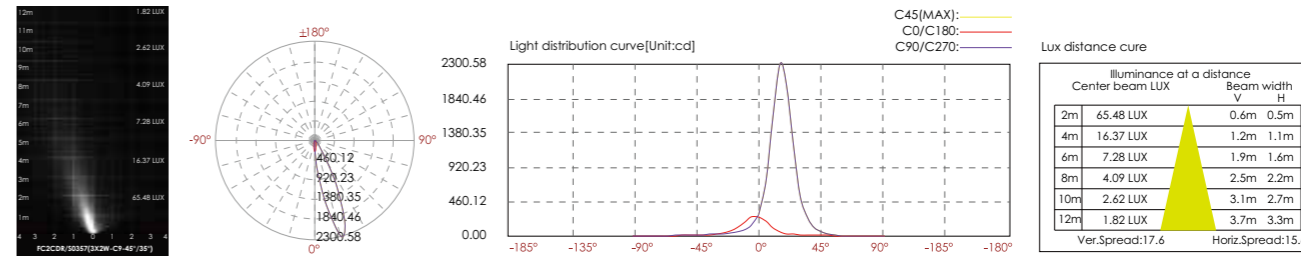
## IMPRESSION DRAWING OF LENS FC02



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
FC2CDR0357	3×2W	FC02	45°/35°	24V DC	24V=206	24V=5.2	Cool White = 398	08
				120V/240	120V=51	120V=6.0	Warm White = 359	
				240V=30	240V=6.0			
FC2CDS0357	3×2W	FC02	45°/35°	24V DC	24V=206	24V=5.2	Cool White = 398	08
				120V/240	120V=51	120V=6.0	Warm White = 359	
				240V=30	240V=6.0			

## PHOTOMETRIC CURVES

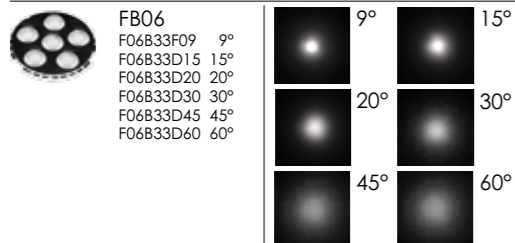


# Symmetrical LED Up Light/Inground Light

## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

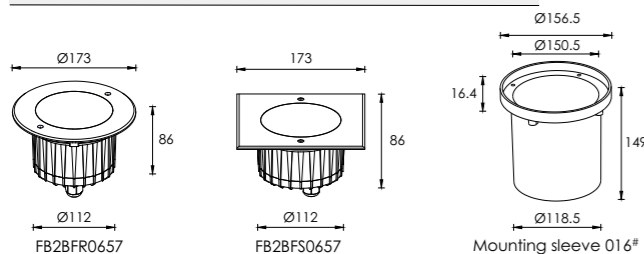
## OPTICS



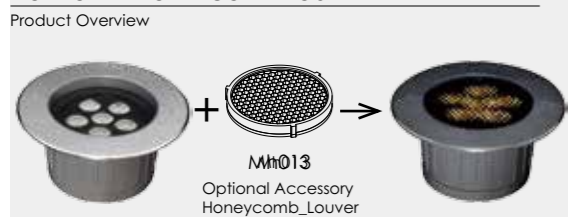
## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum. T=60-80μm Adhesion of ISO class 1/ASTM class 4B
<b>FRONT RING</b>	Hard chromeplated stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	Tempered frosted step glass.T=8mm
<b>GLASS PRESSURE CAPACITY</b>	Full area=2274kgs
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>GASKET</b>	Molding shaped silicone seal
<b>LED</b>	OSRAM
<b>LENS</b>	Optical lens.efficiency≥85%
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H07RN-F 2X1.0mm2 L=0.5m(low voltage) H07RN-F 3X1.0mm2 L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	ABS 016#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

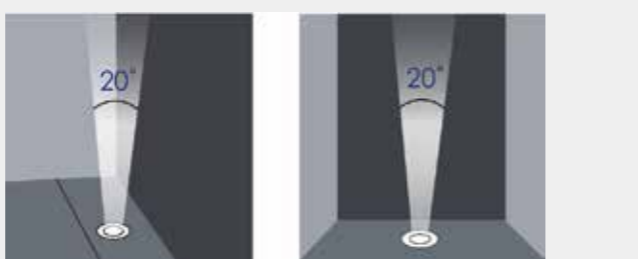
## OUTER DIMENSIONS & ACCESSORIES



## OPTIONAL HONEYCOMB LOUVER



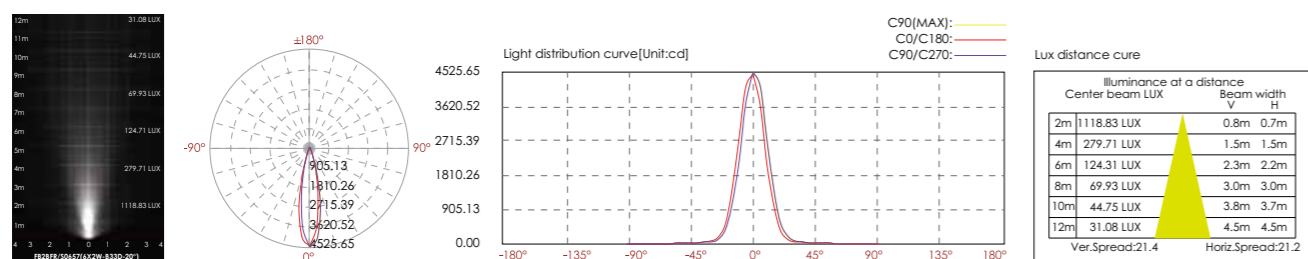
## IMPRESSION DRAWING OF LENS FB06



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
FB2BFR0657	6×2W	FB06	20°	24V DC	24V=526	24V=13.5	Cool White = 956	07
				120V/240	120V=100	120V=11.8	Warm White = 783	
				240V=56	240V=12.4			
FB2BFS0657	6×2W	FB06	20°	24V DC	24V=562	24V=13.5	Cool White = 956	07
				120V/240	120V=100	120V=11.8	Warm White = 783	
				240V=56	240V=12.4			

## PHOTOMETRIC CURVES

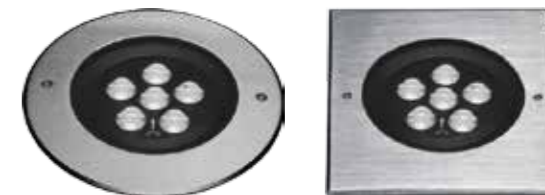
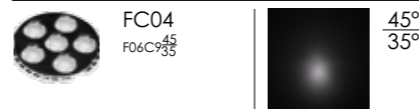


# Asymmetrical LED Up Light/Inground Light

## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

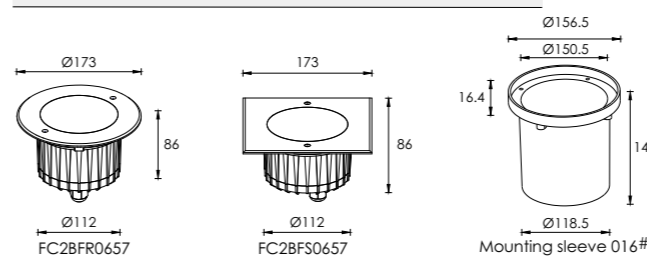
## OPTICS



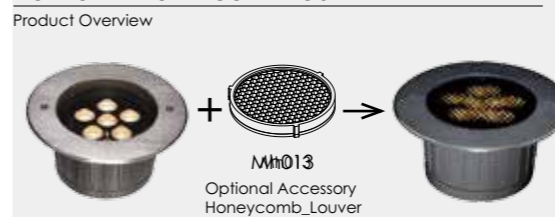
## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum. T=60-80μm Adhesion of ISO class 1/ASTM class 4B
<b>FRONT RING</b>	Hard chromeplated stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	Tempered frosted step glass.T=8mm
<b>GLASS PRESSURE CAPACITY</b>	Full area=2871kgs
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>GASKET</b>	Molding shaped silicone seal
<b>LED</b>	OSRAM
<b>LENS</b>	Optical lens.efficiency≥85%
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H07RN-F 2X1.0mm2 L=0.5m(low voltage) H07RN-F 3X1.0mm2 L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	ABS 016#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

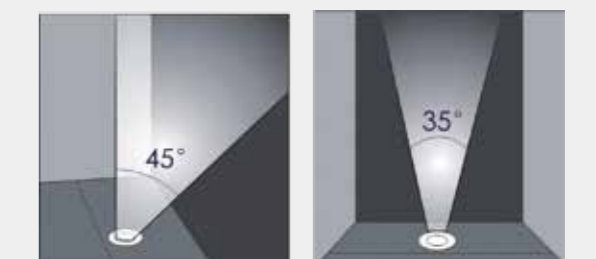
## OUTER DIMENSIONS & ACCESSORIES



## OPTIONAL HONEYCOMB LOUVER



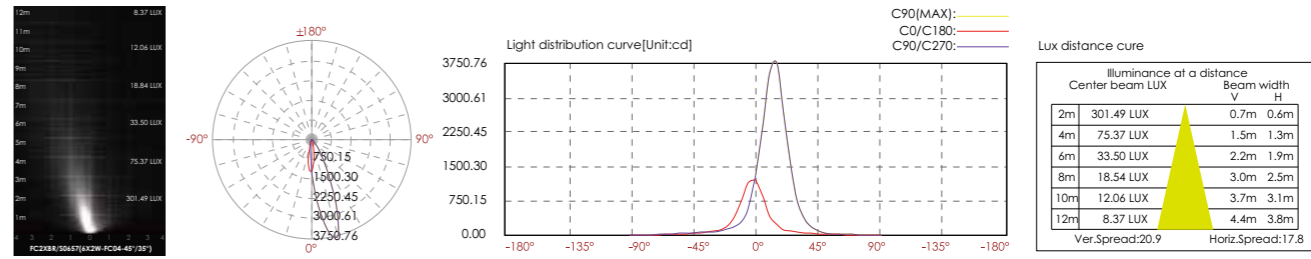
## IMPRESSION DRAWING OF LENS FC04



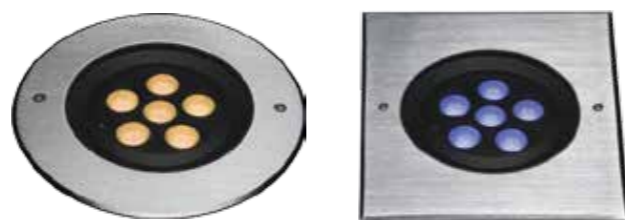
## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
FC2BFR0657	6×2W	FC04	45°/35°	24V DC	24V=526	24V=13.5	Cool White = 944	07
				120V/240	120V=100	120V=11.8	Warm White = 709	
				240V=56	240V=12.4			
FC2BFS0657	6×2W	FC04	45°/35°	24V DC	24V=562	24V=13.5	Cool White = 944	07
				120V/240	120V=100	120V=11.8	Warm White = 709	
				240V=56	240V=12.4			

## PHOTOMETRIC CURVES



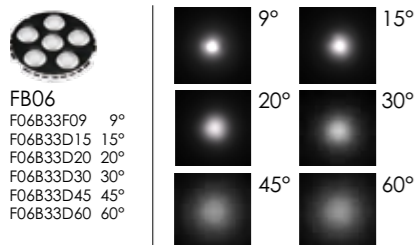
# Symmetrical 20W High Luminance LED Inground Light



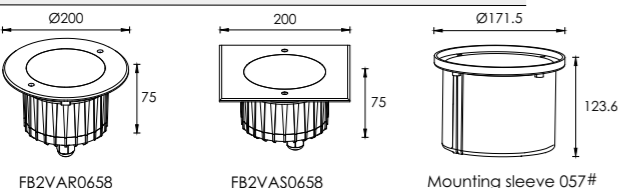
### LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

### OPTICS



### OUTER DIMENSIONS & ACCESSORIES



### MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum. T=60-80µm Adhesion of ISO class 1/ASTM class 4B
<b>FRONT RING</b>	Hard chromeplated stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	Tempered frosted step glass.T=8mm
<b>GLASS PRESSURE CAPACITY</b>	Full area=3489kgs
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>GASKET</b>	Silicone seal
<b>LED</b>	NICHIA
<b>LENS</b>	Optical lens.efficiency≥85%
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m(low voltage) H05RN-F 3X1.0mm2 L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	ABS 057#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali



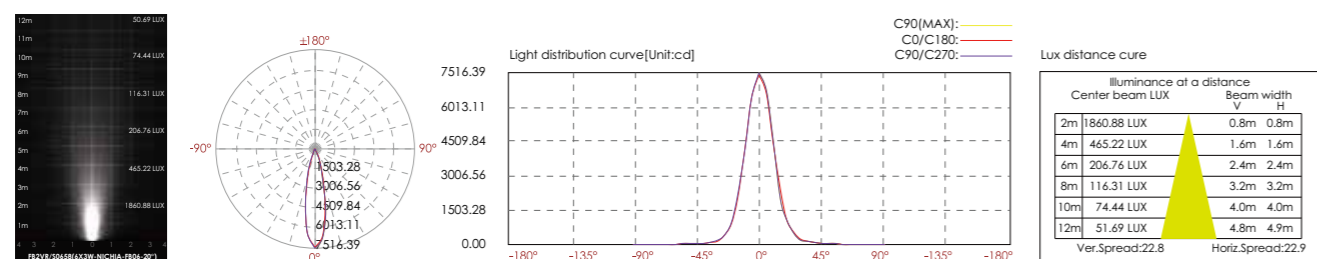
### IMPRESSION DRAWING OF LENS FB06



### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
FB2VAR0658	6×3W	FB06	20°	24V DC	24V=850	24V=20.4	Cool White = 1866	09
				120V/240	120V=156	120V=18.6	Warm White = 1605	
				240V=84	240V=18.8			
FB2VAS0658	6×3W	FB06	20°	24V DC	24V=850	24V=20.4	Cool White = 1866	09
				120V/240	120V=156	120V=18.6	Warm White = 1605	
				240V=84	240V=18.8			

### PHOTOMETRIC CURVES



# Asymmetrical 20W High Luminance LED Inground Light



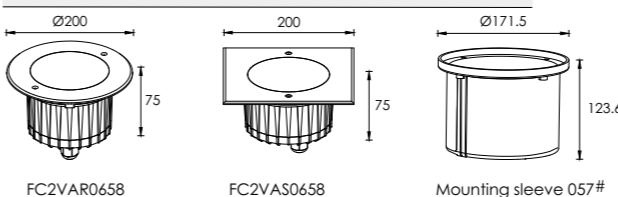
### LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

### OPTICS



### OUTER DIMENSIONS & ACCESSORIES



### MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum. T=60-80µm Adhesion of ISO class 1/ASTM class 4B
<b>FRONT RING</b>	Hard chromeplated stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	Tempered frosted step glass.T=8mm
<b>GLASS PRESSURE CAPACITY</b>	Full area=3489kgs
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>GASKET</b>	Silicone seal
<b>LED</b>	NICHIA
<b>LENS</b>	Optical lens.efficiency≥85%
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m(low voltage) H05RN-F 3X1.0mm2 L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	ABS 057#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali



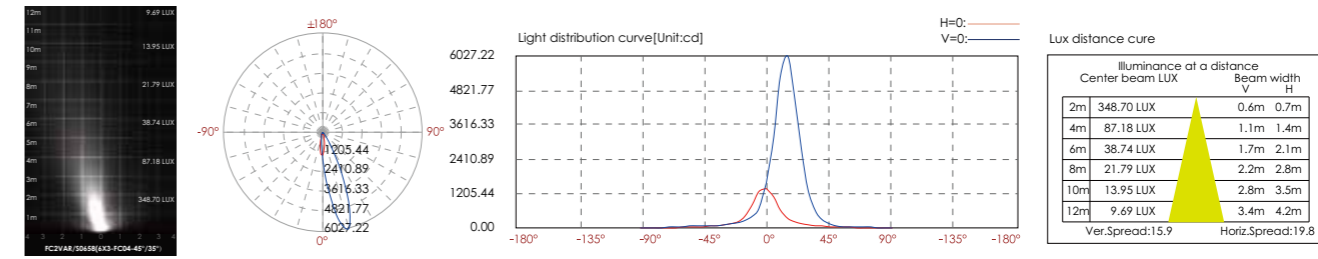
### IMPRESSION DRAWING OF LENS FC04



### TECHNICAL DATA

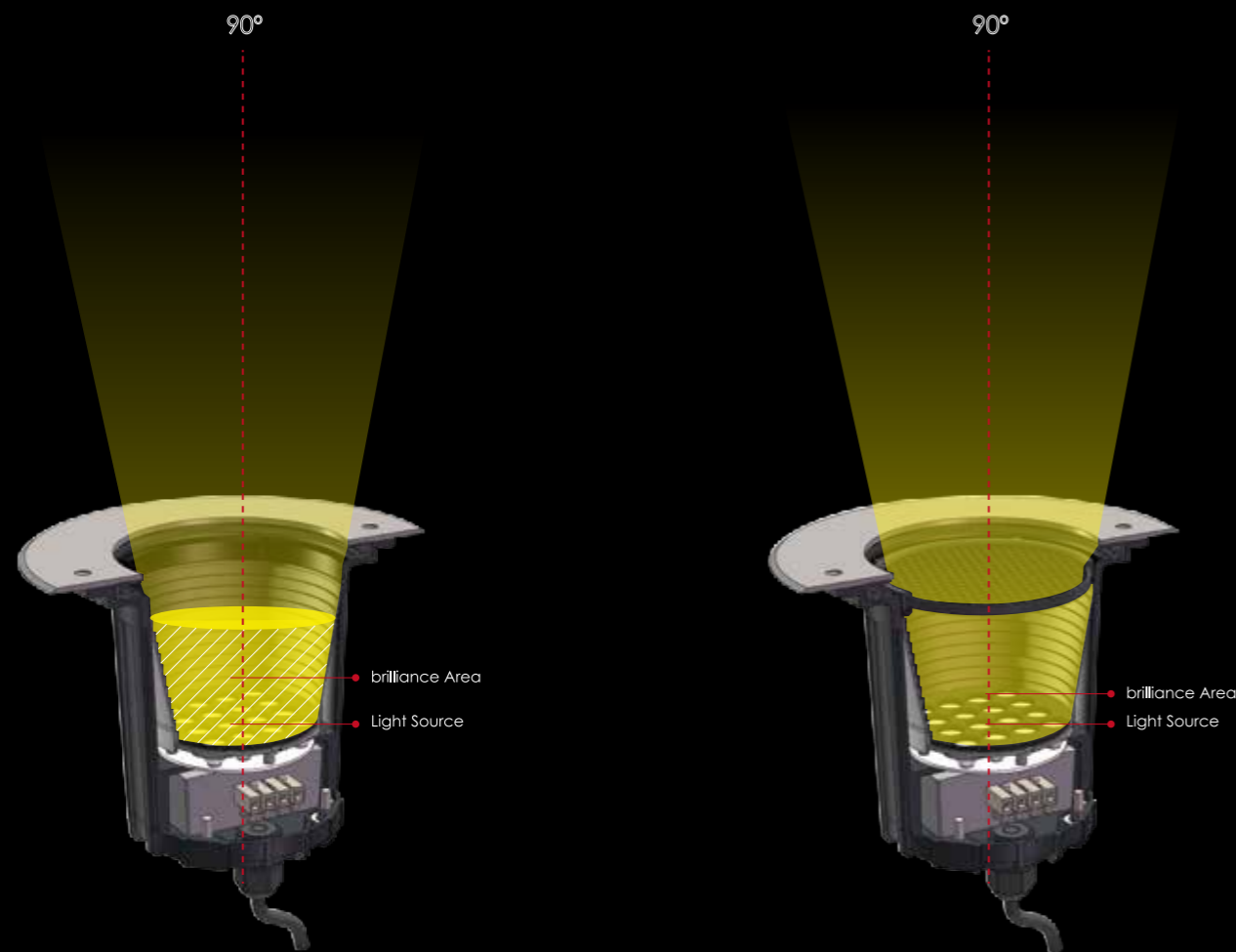
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
FC2VAR0658	6×3W	FC04	45° 35°	24V DC	24V=850	24V=20.4	Cool White = 1543	09
				120V/240	120V=160	120V=18.6	Warm White = 1307	
				240V=89	240V=18.8			
FC2VAS0658	6×3W	FC04	45° 35°	24V DC	24V=850	24V=20.4	Cool White = 1543	09
				120V/240	120V=160	120V=18.6	Warm White = 1307	
				240V=89	240V=18.8			

### PHOTOMETRIC CURVES



# Depth Illuminant Series

# Depth Illuminant LED Inground Light



### LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

### OPTICS



B33(B33D/B33F)

L0109F023YH 9°  
L0115D023YH 15°  
L0120D023YH 20°  
L0130D023YH 30°  
L0145D023YH 45°  
L0160D023MD 60°



9°(B33F)



15°



20°



30°



45°

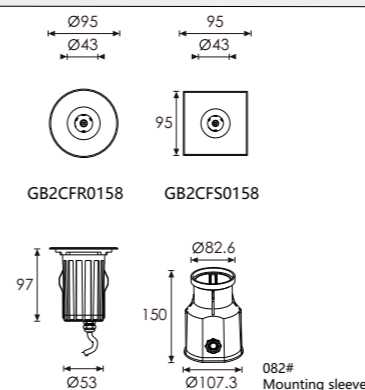


60°



### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



GB2CFR0158

GB2CFS0158

Ø82.6

Ø107.3

Ø53

97

150

082#

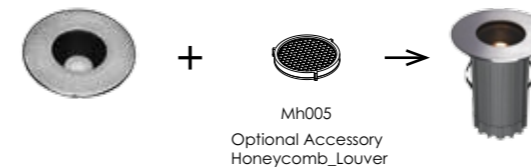
Mounting sleeve

### MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# die-casting grey powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	Hard chromeplated stainless steel SUS 316L#
<b>GLASS</b>	Step tempered glass.T=6mm
<b>REFLECTOR</b>	Optical Reflector efficiency≈90%
<b>LED</b>	Osram SMD3030
<b>GLASS PRESSURE CAPACITY</b>	Full Area=1195kgs
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>GASKET</b>	Molding shaped seal
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage) H05RN-F 3X1.0mm <sup>2</sup> L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

### OPTIONAL HONEYCOMB LOUVER

Product Overview

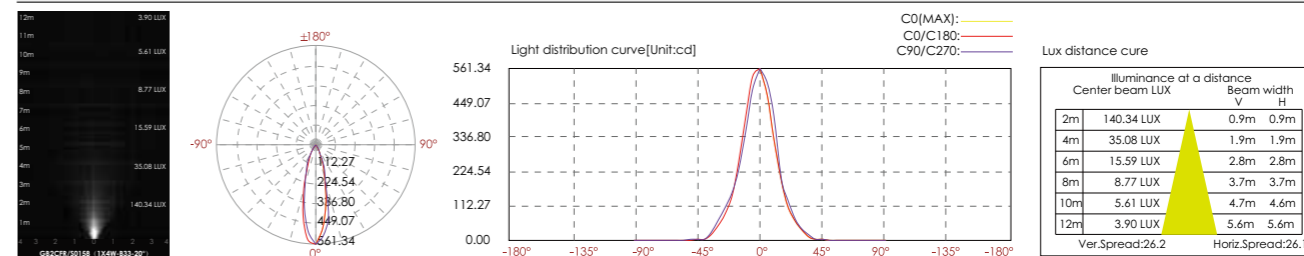


Mh005  
Optional Accessory  
Honeycomb\_Louwer

### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
○ GB2CFR0158	1×4W	B33D	20°	24V DC	24V=131	24V=3.10	Cool White =230 Warm White =200	09
□ GB2CFS0158				120/240	120V=36 240V=22	120V=4.30 240V=4.10		

### PHOTOMETRIC CURVES

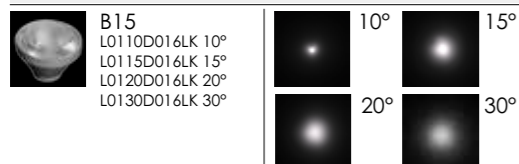


# Depth Illuminant LED Inground Light

## LED COLOUR TEMPERATURE

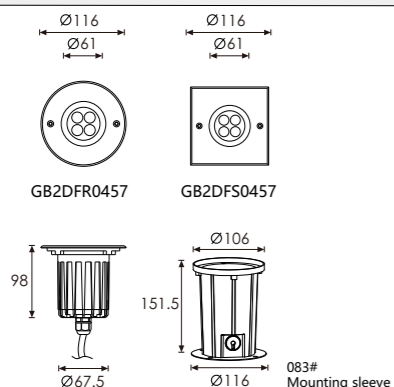
2000K · 3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm

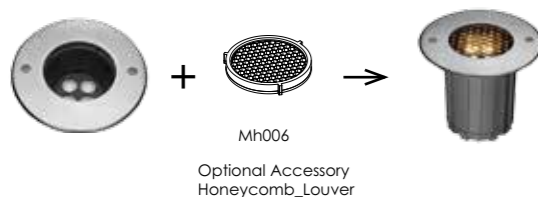


## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# die-casting grey powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	Hard chromeplated stainless steel SUS 316L#
<b>GLASS</b>	Step tempered glass.T=8mm
<b>REFLECTOR</b>	Optical Reflector efficiency=90%
<b>LED</b>	Osram SMD3030
<b>GLASS PRESSURE CAPACITY</b>	Full Area=2526kgs
<b>CABLE GLAND</b>	IP68 PG-11 PA66
<b>GASKET</b>	Molding shaped seal
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H07RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage) H07RN-F 3X1.0mm <sup>2</sup> L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## OPTIONAL HONEYCOMB LOUVER

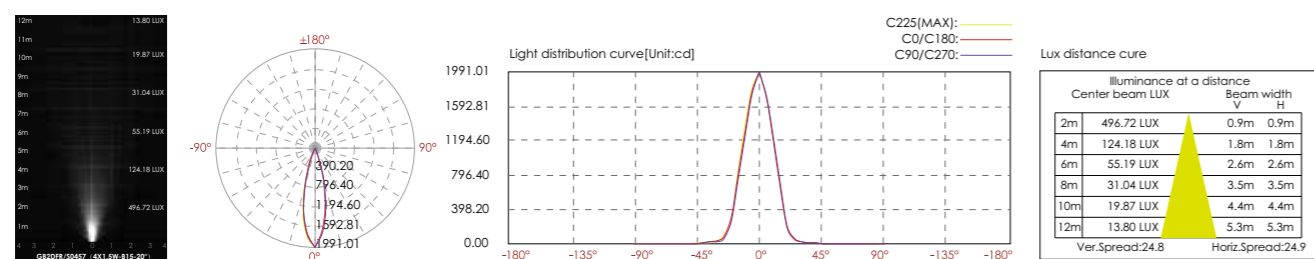
Product Overview



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
○ GB2DFR0457	4x2W	B15	20°	24V DC	24V=270	24V=6.50	Cool White =600	09
□ GB2DFS0457				120V/240	120V=69 240V=38	120V=7.60 240V=7.50	Warm White =488	

## PHOTOMETRIC CURVES

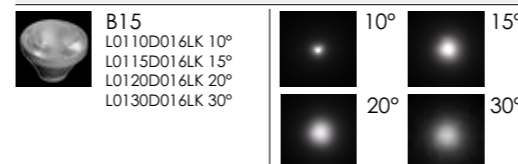


# Depth Illuminant LED Inground Light

## LED COLOUR TEMPERATURE

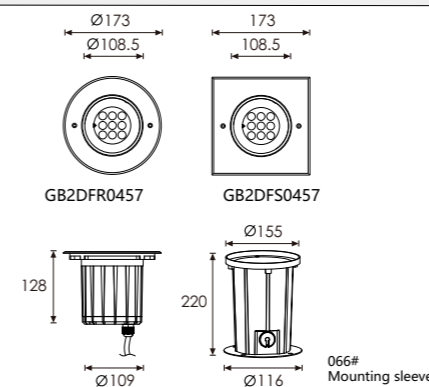
2000K · 3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm

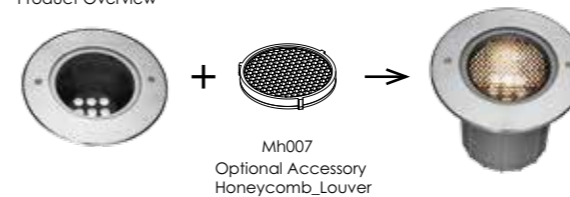


## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# die-casting grey powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	Hard chromeplated stainless steel SUS 316L#
<b>GLASS</b>	Step tempered glass.T=8mm
<b>REFLECTOR</b>	Optical Reflector efficiency=90%
<b>LED</b>	Osram SMD3030
<b>GLASS PRESSURE CAPACITY</b>	Full Area=2500kgs
<b>CABLE GLAND</b>	IP68 PG-11 PA66
<b>GASKET</b>	Molding shaped seal
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H07RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage) H07RN-F 3X1.0mm <sup>2</sup> L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## OPTIONAL HONEYCOMB LOUVER

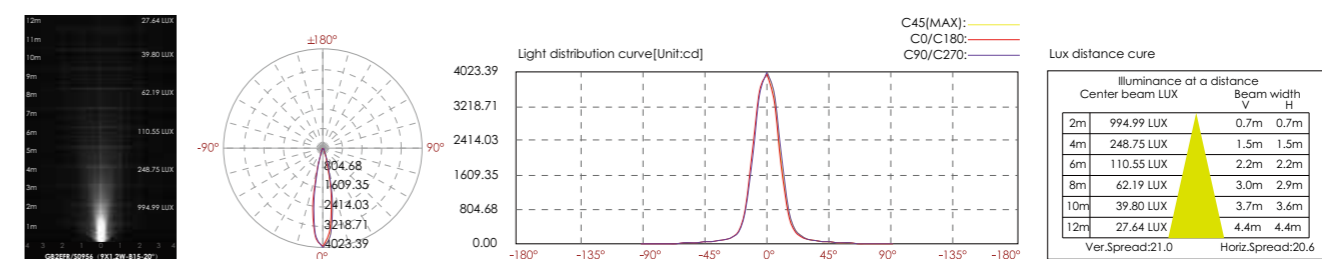
Product Overview



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
○ GB2EFR0956	9x1.2W	B15	20°	24V DC	24V=521	24V=12.5	Cool White =1003	10
□ GB2EFS0956				120V/240	120V=122 240V=64	120V=13.2 240V=13.2	Warm White =790	

## PHOTOMETRIC CURVES





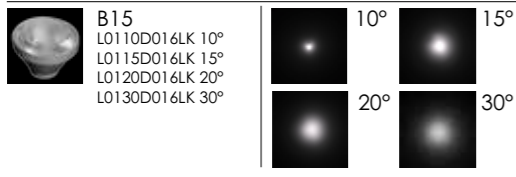
# Depth Illuminant LED Inground Light



## LED COLOUR TEMPERATURE

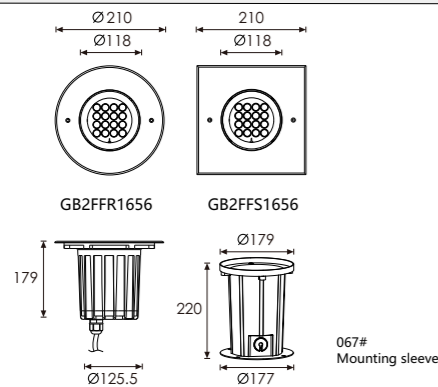
2000K · 3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm

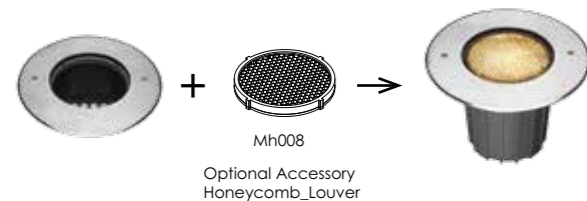


## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# die-casting grey powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	Hard chromeplated stainless steel SUS 316L#
<b>GLASS</b>	Step tempered glass.T=10mm
<b>REFLECTOR</b>	Optical Reflector efficiency=90%
<b>LED</b>	Osram SMD3030
<b>GLASS PRESSURE CAPACITY</b>	Full Area=2961kgs
<b>CABLE GLAND</b>	IP68 PG-11 PA66
<b>GASKET</b>	Molding shaped seal
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H07RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage) H07RN-F 3X1.0mm <sup>2</sup> L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS 067#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## OPTIONAL HONEYCOMB LOUVER

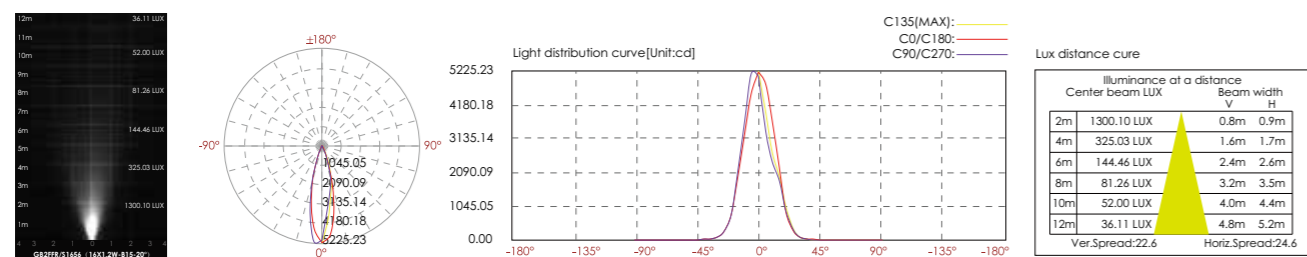
Product Overview



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
○ GB2FFR1656	16x1.2W	B15	20°	24V DC	24V=830	24V=20	Cool White =1215 Warm White =1155	10
□ GB2FFS1656				120V/240	120V=166 240V=84	120V=19 240V=18.5		

## PHOTOMETRIC CURVES



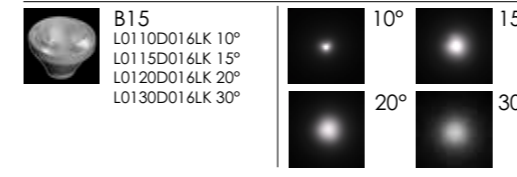
# Depth Illuminant LED Inground Light



## LED COLOUR TEMPERATURE

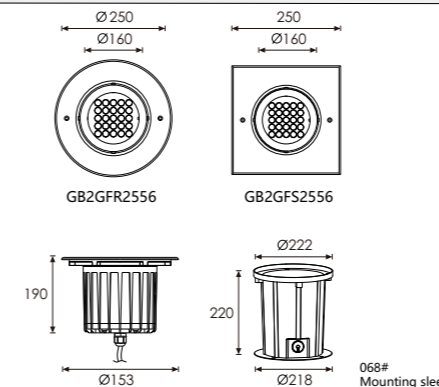
2000K · 3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm

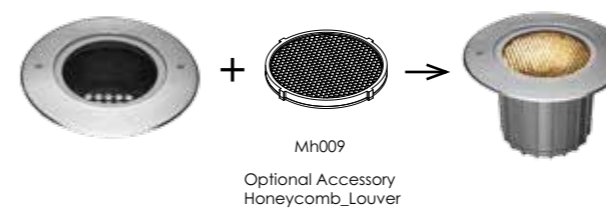


## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# die-casting grey powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	Hard chromeplated stainless steel SUS 316L#
<b>GLASS</b>	Step tempered glass.T=10mm
<b>REFLECTOR</b>	Optical Reflector efficiency=90%
<b>LED</b>	Osram SMD3030
<b>GLASS PRESSURE CAPACITY</b>	Full Area=5513kgs
<b>CABLE GLAND</b>	IP68 PG-11 PA66
<b>GASKET</b>	Molding shaped seal
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H07RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage) H07RN-F 3X1.0mm <sup>2</sup> L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	ABS 068#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## OPTIONAL HONEYCOMB LOUVER

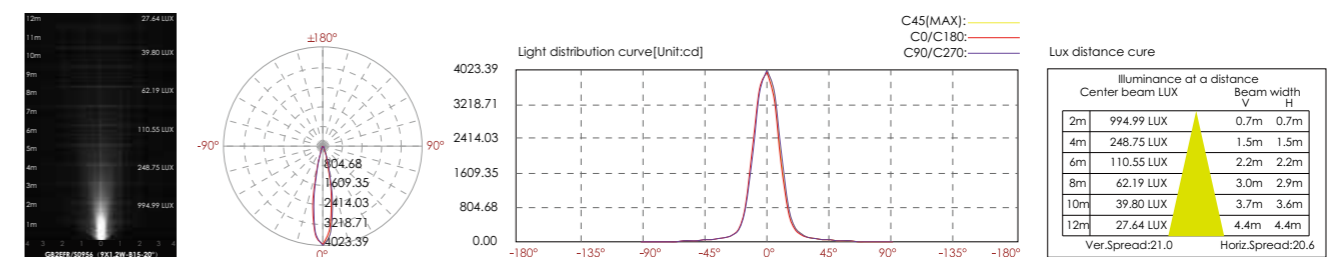
Product Overview



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
○ GB2GFR2556	25x1.0W	B15	20°	24V DC	24V=1490	24V=35.6	Cool White =2573 Warm White =2249	10
□ GB2GFS2556				120V/240	120V=252 240V=133	120V=30 240V=29.6		

## PHOTOMETRIC CURVES



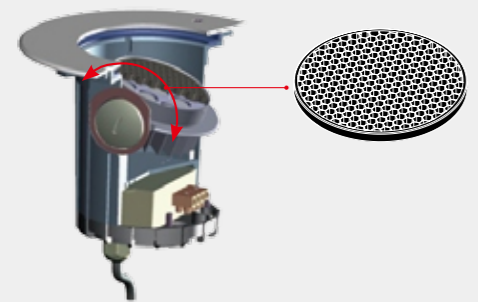
# Adjustable Beam Direction Series

## FEATURE



### A simplicity of wider angle adjustment

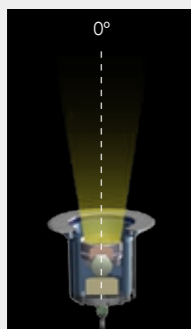
- In according to the environment, you can adjust the angle of light



### Honey comb - Good choice for soft light

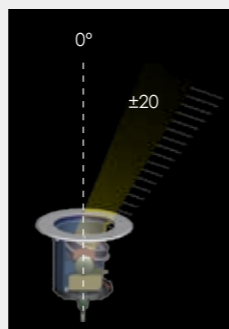
- The honey comb louver will be synchronized changed along with the light beam angle

## Luminous beam comparison before and after the adjustment



- The light of vertical direction
- Typical luminance (vertical direction)

Cool White=1885  
Warm White=1389



- The view of light direction when the beam angle moved
- The rest of luminance after moving 20 degrees

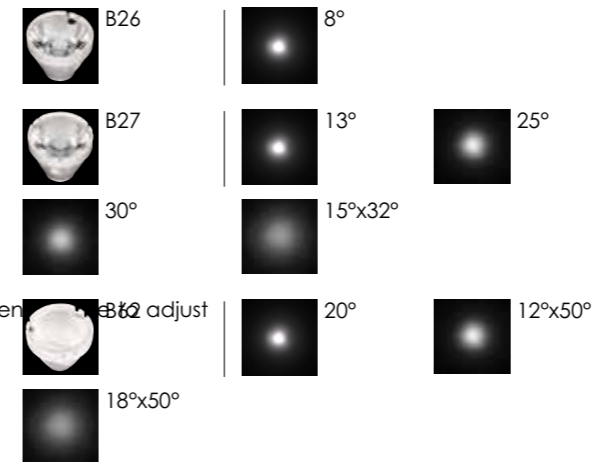
Cool White =1621  
Warm White=1195

# Adjustable Beam Direction LED Inground Light

## LED COLOUR TEMPERATURE

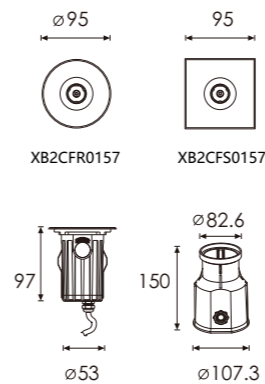
2000K · 3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



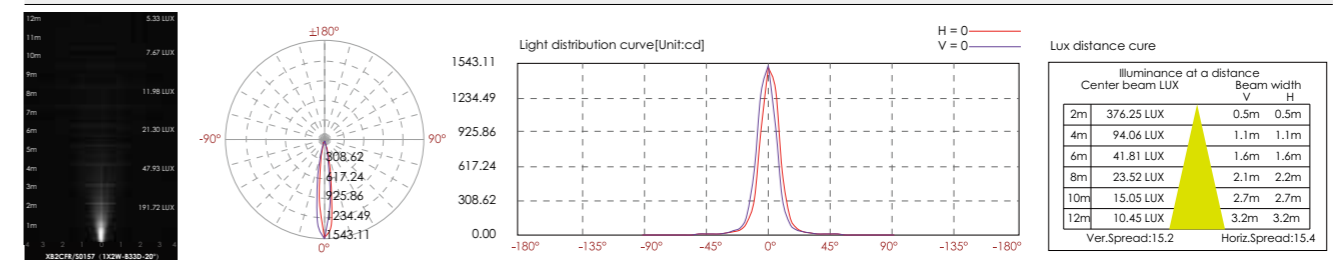
## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# die-casting grey powder coated aluminum T=60-80μm. Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	1 Hard chromeplated stainless steel SUS 316L#
<b>GLASS</b>	1 Step tempered white coating glass.T=6mm
<b>GLASS PRESSURE CAPACITY</b>	1 Full Area=1195kgs
<b>CABLE GLAND</b>	1 IP68 PG-9 PA66
<b>GASKET</b>	1 Molding shaped seal
<b>LED DRIVER</b>	1 Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	1 -20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage) H05RN-F 3X1.0mm <sup>2</sup> L=0.5m (high voltage)
<b>MOUNTING SLEEVE</b>	1 ABS Housing with iron base
<b>DIMMABLE SUPPORT</b>	1 Triac PWM 1-10V Dali

## TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>XB2CFR0157</b> <b>XB2CFS0157</b>	1x2W	B27	13°	24V DC 120/240	24V = 110 120V = 43 240V = 27	24V = 2.6 120V = 3.2 240V = 3.2	Cool White = 179 Warm White = 168	09

## PHOTOMETRIC CURVES



# Adjustable Beam Direction LED Inground Light

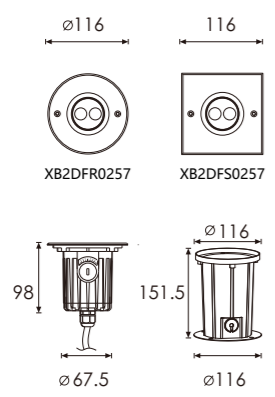


## LED COLOUR TEMPERATURE

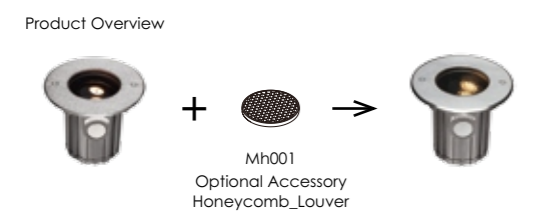
2000K · 3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



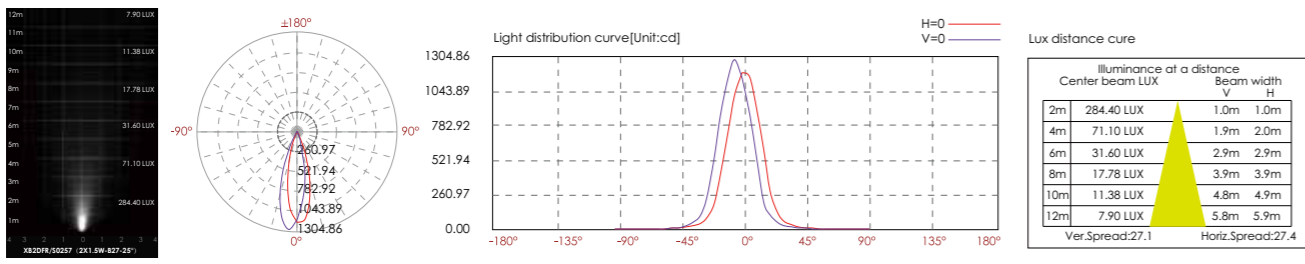
## OPTIONAL HONEYCOMB LOUVER



## TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>XB2DFR0257</b> <b>XB2DFS0257</b>	2x1.5W	B17	20°	24V DC 120/240	24V = 150 120V = 36 240V = 24	24V = 3.6 120V = 3.8 240V = 3.8	Cool White = 250 Warm White = 190	09

## PHOTOMETRIC CURVES



# Adjustable Beam Direction LED Inground Light

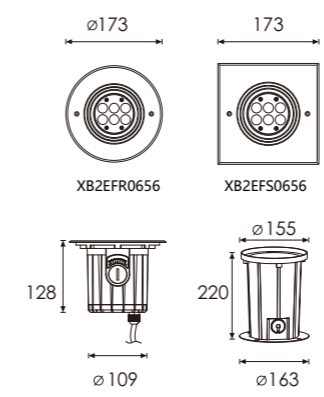


## LED COLOUR TEMPERATURE

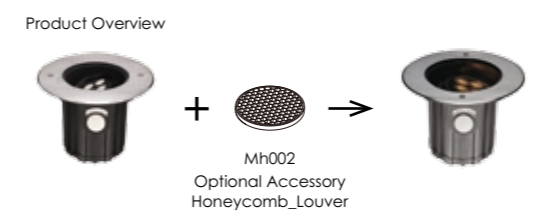
2000K · 3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



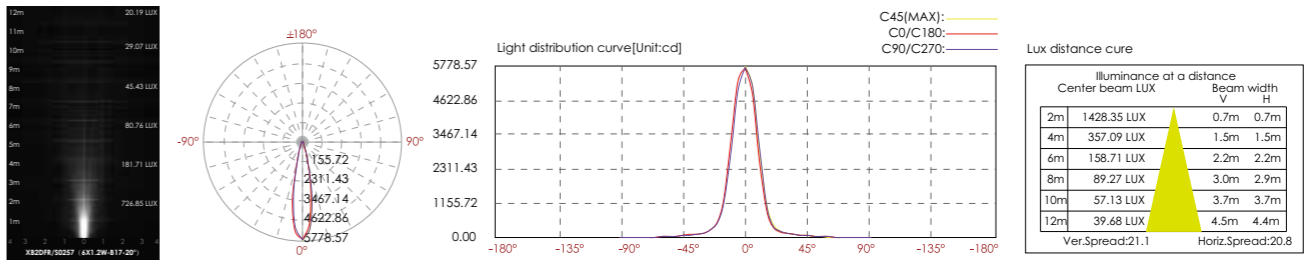
## OPTIONAL HONEYCOMB LOUVER



## TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>XB2EFR0656</b> <b>XB2EFS0656</b>	6x1.2W	B17	20°	24V DC 120/240	24V = 325 120V = 70 240V = 46	24V = 7.8 120V = 9.2 240V = 9.2	Cool White = 700 Warm White = 570	10

## PHOTOMETRIC CURVES



# Adjustable Beam Direction LED Inground Light

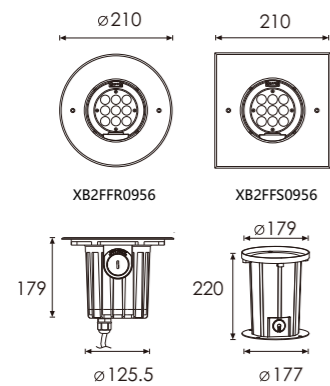


## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

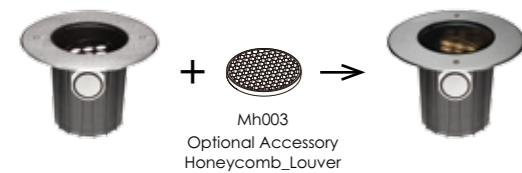
## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## OPTIONAL HONEYCOMB LOUVER

Product Overview



## OPTICS



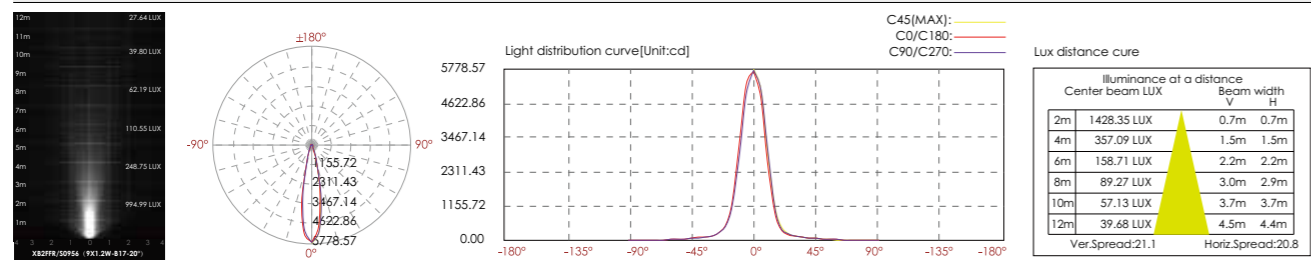
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# die-casting grey powder coated aluminum T=60-80 $\mu$ m. Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chromeplated stainless steel SUS 316L#
- GLASS** | Step tempered white coating glass.T=8mm
- GLASS PRESSURE CAPACITY** | Full Area=2961kgs
- CABLE GLAND** | IP68 PA66 PG-11
- GASKET** | Molding shaped seal
- LED DRIVER** | Constant Voltage Input.Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H07RN-F 2X1.0mm<sup>2</sup> L=0.5m (low voltage)  
H07RN-F 3X1.0mm<sup>2</sup> L=0.5m (high voltage)
- MOUNTING SLEEVE** | ABS Housing with diron base
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>XB2FFR0956</b> <b>XB2FFS0956</b>	9x1.2W	B17	20°	24V DC 120/240	24V = 500 120V = 112 240V = 64	24V = 12 120V = 13.2 240V = 13.2	Cool White = 1090 Warm White = 756	10

## PHOTOMETRIC CURVES



# Adjustable Beam Direction LED Inground Light

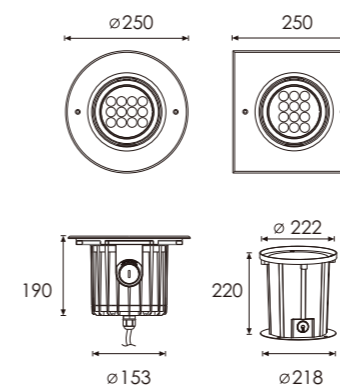


## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

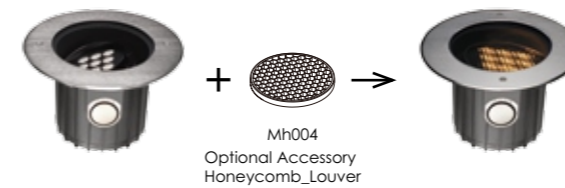
## OUTER DIMENSIONS & ACCESSORIES

Unit:mm

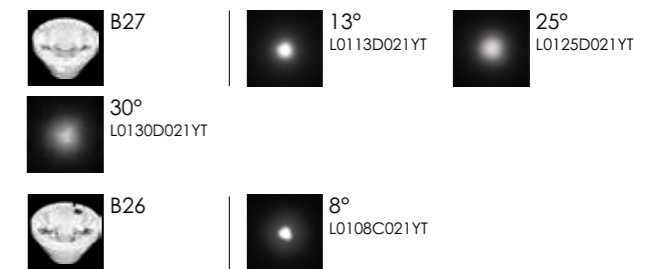


## OPTIONAL HONEYCOMB LOUVER

Product Overview



## OPTICS



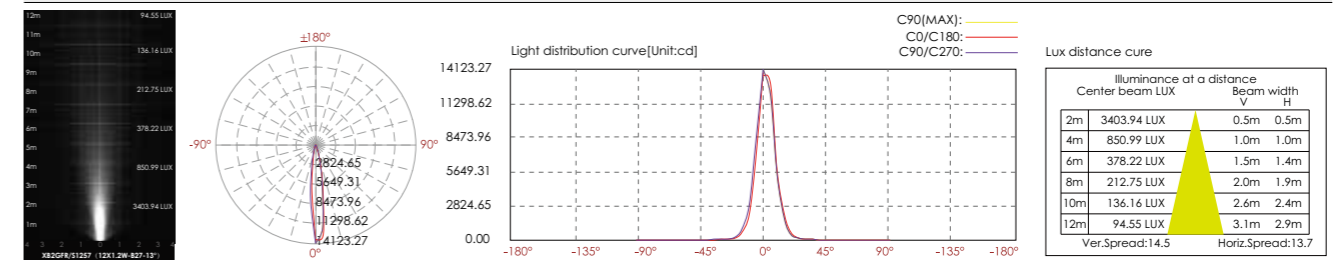
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# die-casting grey powder coated aluminum T=60-80 $\mu$ m. Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chromeplated stainless steel SUS 316L#
- GLASS** | Step tempered white coating glass.T=10 mm
- GLASS PRESSURE CAPACITY** | Full Area=5513kgs
- CABLE GLAND** | IP68 PA66 PG-13.5
- GASKET** | Molding shaped seal
- LED DRIVER** | Constant Voltage Input.Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m (high voltage)
- MOUNTING SLEEVE** | ABS Housing with diron base
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>XB2GFR1257</b> <b>XB2GFS1257</b>	12x1.5W	B27	13°	24V DC 120/240	24V = 1020 120V = 151 240V = 82	24V = 24.5 120V = 18.2 240V = 18.2	Cool White = 1885 Warm White = 1389	10

## PHOTOMETRIC CURVES



# Beam Direction Adjustable Inground Light



## LED COLOUR TEMPERATURE

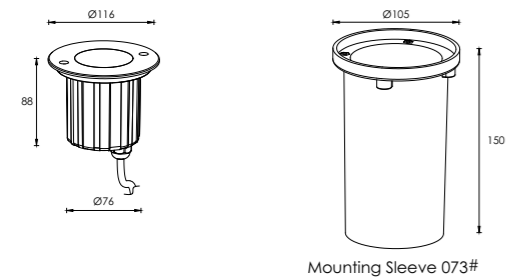
2000K · 3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm

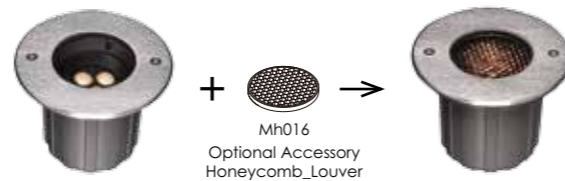


## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum T=60-80µm Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	Hard chromeplated Stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	Tempered frosted step glass.T=6mm
<b>LENS</b>	Optical lens efficiency≥85%
<b>LED</b>	OSRAM
<b>GLASS PRESSURE CAPACITY</b>	Full area=1226kgs
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>GASKET</b>	Molding shaped seal
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m(low voltage) H05RN-F 3X1.0mm2 L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	ABS 073#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## OPTIONAL HONEYCOMB LOUVER

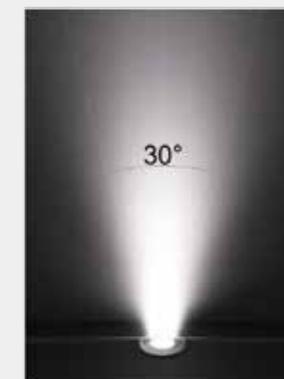
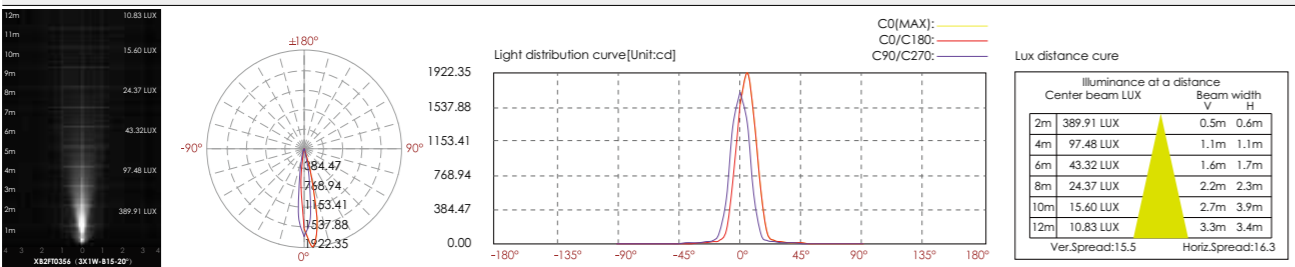
Product Overview



## TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>XB2FT0356</b>	3 × 1W	B15	20°	24V DC 120/240	24V = 131 120V = 54 240V = 30	24V = 3.1 120V = 3.8 240V = 3.8	Cool White = 320 Warm White = 294	09

## PHOTOMETRIC CURVES



# Beam Direction Adjustable Inground Light



XB2BG0357

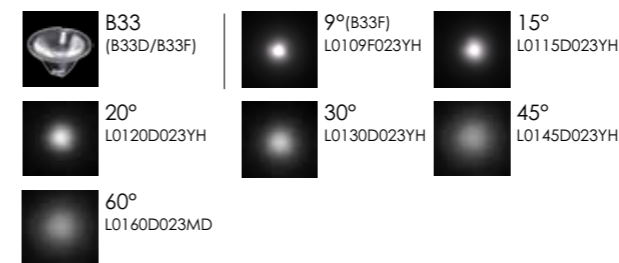


XB2BG0357 L

### LED COLOUR TEMPERATURE

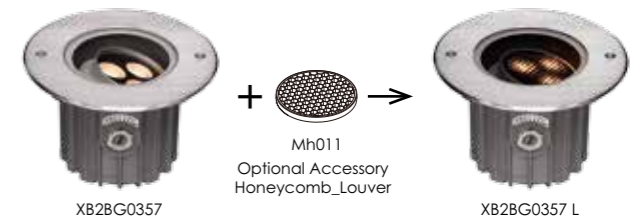
2000K · 3000K · 6000K

### OPTICS



### OPTIONAL HONEYCOMB LOUVER

Product Overview

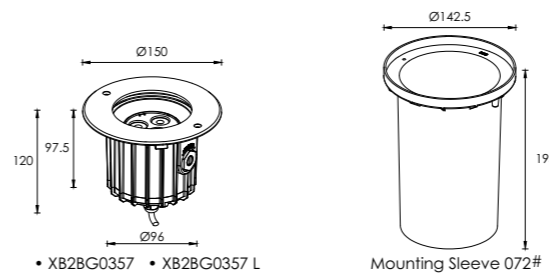


### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting grey powder coated aluminum  
T=60-80µm Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chromeplated Stainless steel SUS 316L#
- LIGHT WINDOW** | Tempered frosted step glass.T=8mm
- LENS** | Optical lens efficiency≥90%
- LED** | OSRAM or NICHIA
- GLASS PRESSURE CAPACITY** | Full area=783kgs
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Molding shaped silicone seal
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.5m(low voltage)  
H05RN-F 3X1.0mm2 L=0.5m(high voltage)
- MOUNTING SLEEVE** | ABS 072#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### OUTER DIMENSIONS & ACCESSORIES

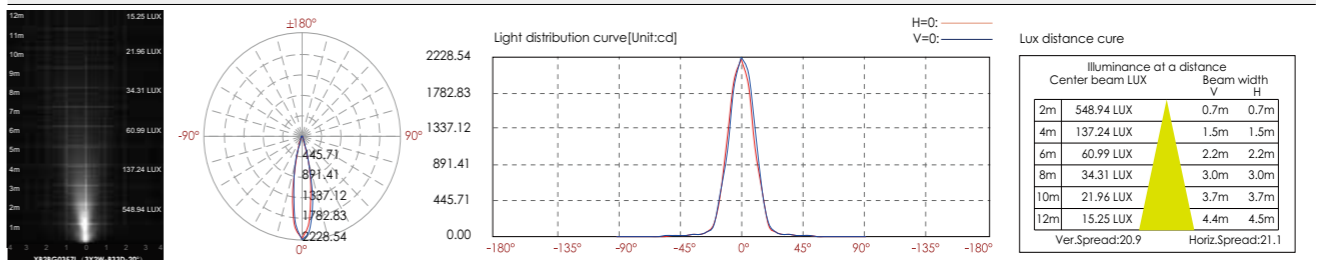
Unit:mm



### TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
XB2BG0357	3×2W	B33D	20°	24V DC	24V = 216	24V = 5.2	Cool White = 479	09
				120V/240	120V = 51	120V = 6	Warm White = 376	
					240V = 30	240V = 6		
XB2BG0357 L	3×2W	B33D	20°	24V DC	24V = 216	24V = 5.2	Cool White = 400	09
				120V/240	120V = 51	120V = 6	Warm White = 282	
					240V = 30	240V = 6		

### PHOTOMETRIC CURVES



# Adjustable Beam Direction LED Inground Light

## LED COLOUR TEMPERATURE

3000K · 5000K

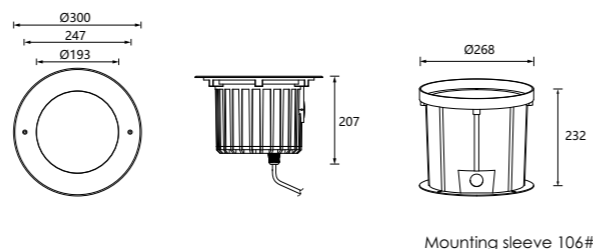
## Optics Lens B57



## MATERIAL SPECIFICATIONS

- Housing** | 12# die-casting grey powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- Front cover** | Hard chromeplated stainless steel SUS 316L#
- Glass** | Step tempered glass.T=10mm
- Reflector** | Optical Reflector efficiency=90%
- LED** | CREE COB
- Glass pressure capacity** | Full area=5356kgs
- Cable gland** | IP68 PG-13.5 PA66
- Gasket** | Molding shaped seal
- LED Driver** | Constant Voltage Input.Constant Current Output
- Operating temperature** | -20°C~40°C
- Power cable** | H07RN-F 2X1.5mm²L= 0.5m (low voltage)  
H07RN-F 3X1.5mm²L= 0.5m (high voltage)
- Mounting sleeve** | ABS 106#

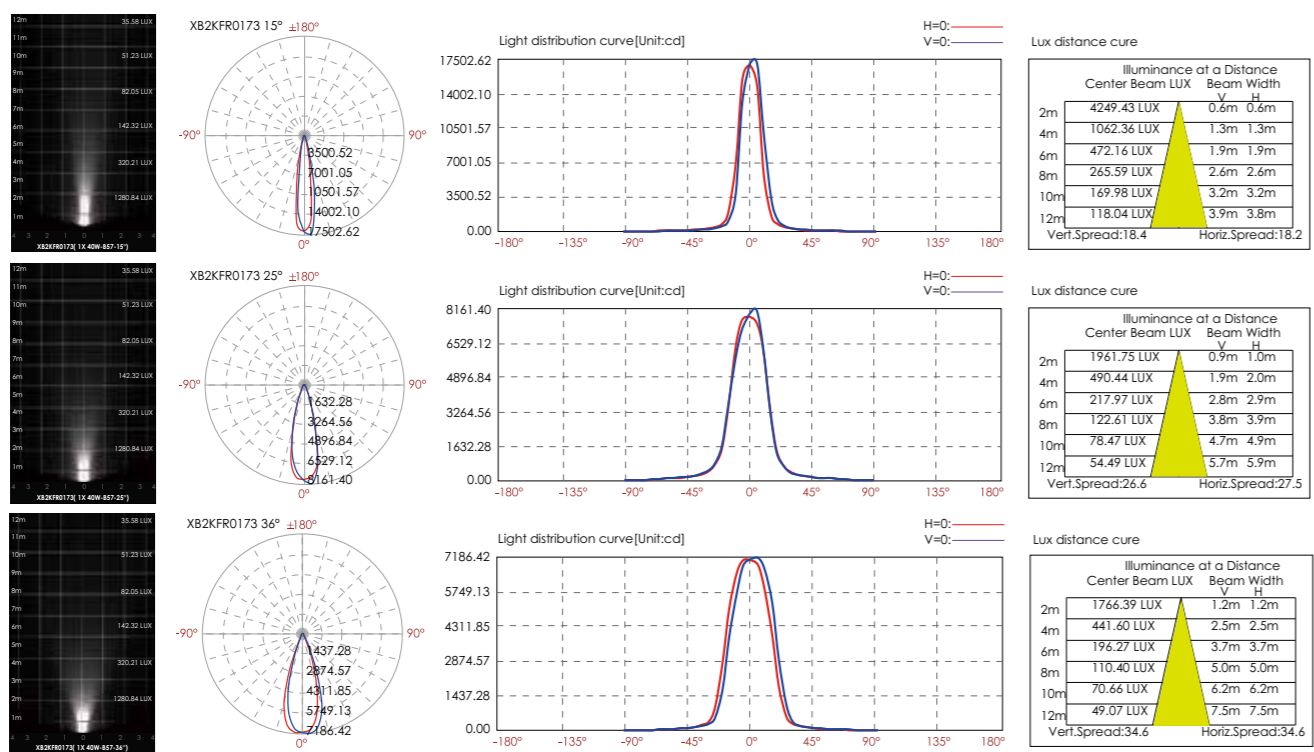
## OUTER DIMENSIONS



## TECHNICAL DATA

Item	Light source	Reflector	The manufacturer selected lens degree(°)Ø1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK
<b>XB2KFR0173</b>	1x25W COB	B57	25°	24VDC 120V/240V	24V = 1040 120V = 240 240V = 130	24V = 25.0 120V = 28 240V = 28	Cool white =2700 Warm white =2471	10

## PHOTOMETRIC CURVES

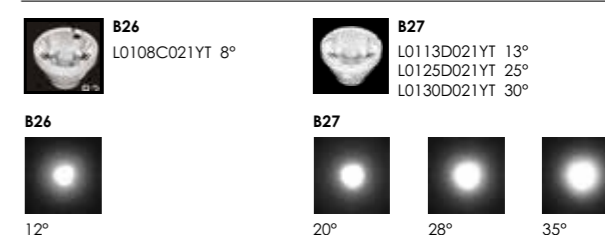


# Beam Direction Adjustable Mega Power LED Inground Light

## LED COLOUR TEMPERATURE

3000K · 6000K

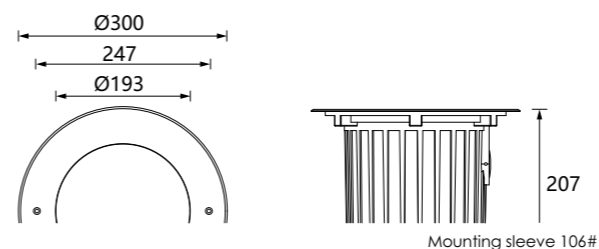
## OPTICS LENS



## MATERIAL SPECIFICATIONS

- Housing** | 12# die-casting grey powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- Front cover** | Hard chromeplated stainless steel SUS 316L#
- Glass** | Step tempered glass.T=10mm
- Reflector** | Optical Reflector efficiency=90%
- LED** | NICHIA
- Glass pressure capacity** | Full area=5356kgs
- Cable gland** | IP68 PG-13.5 PA66
- Gasket** | Molding shaped seal
- LED Driver** | Constant Voltage Input.Constant Current Output
- Operating temperature** | -20°C~40°C
- Power cable** | H07RN-F 2X1.5mm²L= 0.5m (low voltage)  
H07RN-F 3X1.5mm²L= 0.5m (high voltage)
- Mounting sleeve** | ABS 106#

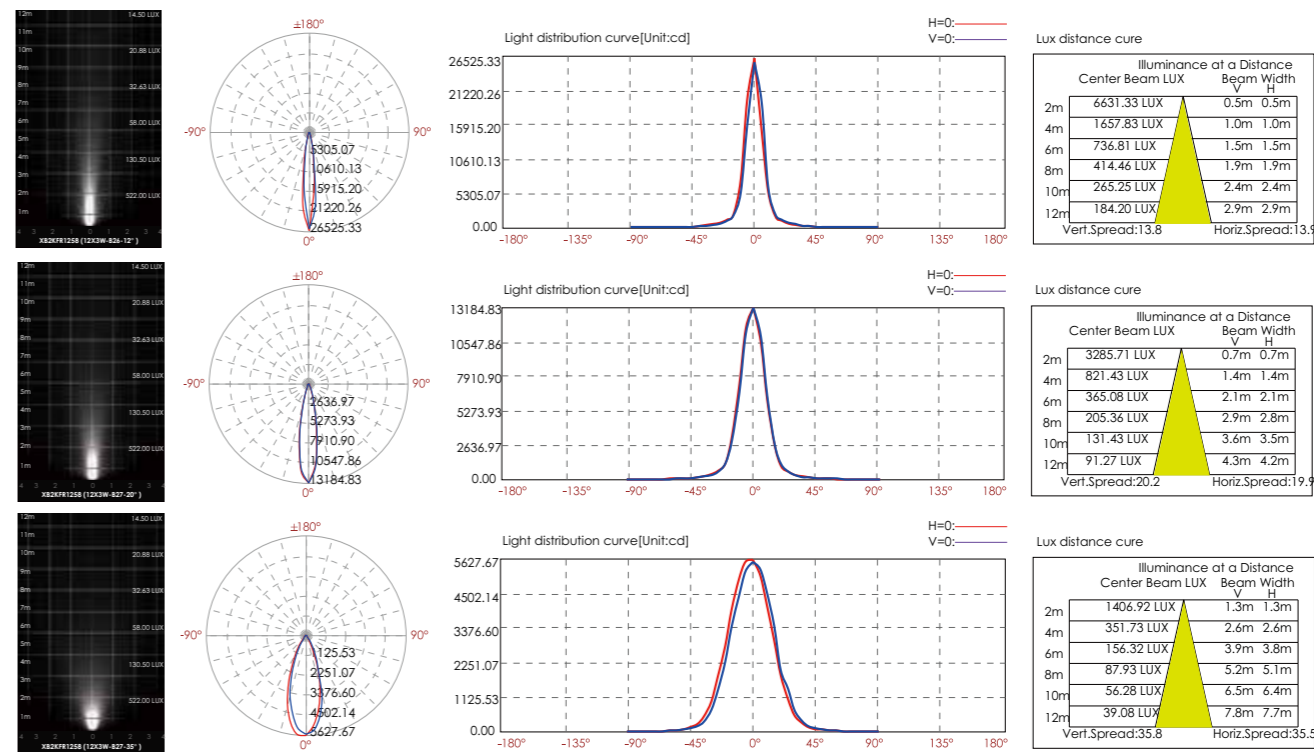
## OUTER DIMENSIONS



## TECHNICAL DATA

Item	Light source	Reflector	The manufacturer selected lens degree(°)Ø1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK
<b>XB2KFR1258</b>	12x2.2W 232	B27	20°	24V DC 120V/240	24V = 1150 120V = 234 240V = 125	24V = 27.6 120V = 28 240V = 28	Warm white =2392	10

## PHOTOMETRIC CURVES



# Depth Illuminant LED Inground Light



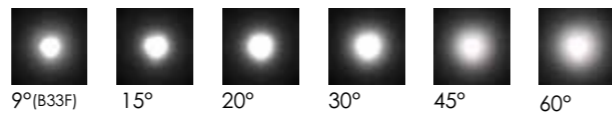
## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS

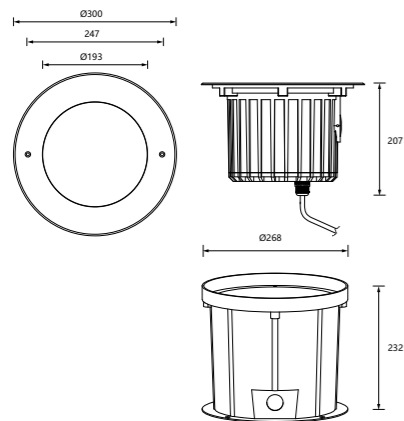
- B33(B33D/B33F)**
- L0109F023YH 9°
  - L0115D023YH 15°
  - L0120D023YH 20°
  - L0130D023YH 30°
  - L0145D023YH45°
  - L0160D023MD60°

## B33(B33D/B33F)



## OUTER DIMENSIONS

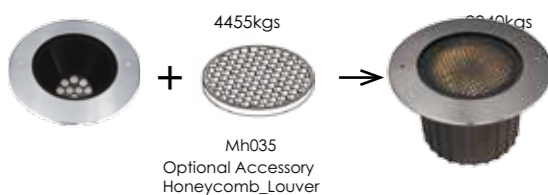
Unit:mm



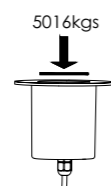
## MATERIAL SPECIFICATIONS

- Housing** | 12# Die-casting dark grey powder coated aluminum T=60-80µm Adhesion of ISO class 1/ATM class 4B
- Front cover** | Hard chrome-plated stainless steel SUS 316L#
- Light Window** | Tempered frosted step glass.T=10mm
- Reflector** | Optical Reflector efficiency≥90%
- LED** | NICHIA 3535
- Glass pressure capacity** | Full Area=5016kgs
- Cable gland** | IP68 PG-13.5 PA66
- Gasket** | Molding shaped seal
- LED Driver** | Constant Voltage Input,Constant Current Output
- Operating temperature** | -20°C~40°C
- Power Cable** | H05RN-F 2X1.5 mm<sup>2</sup> L=0.5m(low voltage)
- Mounting sleeve** | ABS 106#

## OPTIONAL HONEYCOMB LOUVER



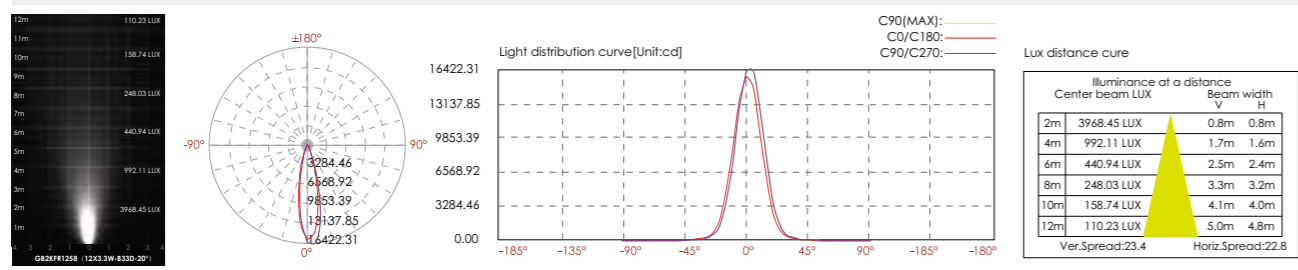
## GLASS PRESSURE CAPACITY



## TECHNICAL DATA

Item	Light source	Reflector	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
<b>GB2KFR1258</b>	12x3.3W	B33D	20°	24	24V =1802	24V = 43.3	Cool white=3148 Warm white=2571	06

## PHOTOMETRIC CURVES



# High Luminance Output Inground Flood Light



## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS

- R29**
- R0108C110DK 8°
  - R0124C110DK 24°
  - R0138C110DK 38°

## R29

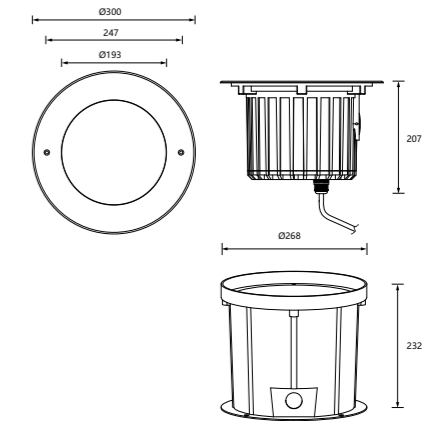


## MATERIAL SPECIFICATIONS

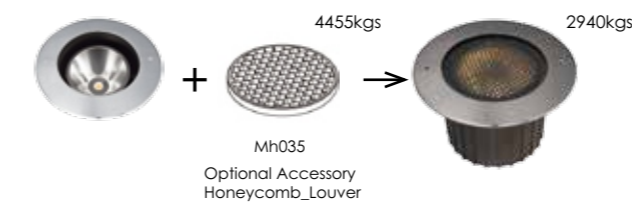
- Housing** | 12# Die-casting dark grey powder coated aluminum T=60-80µm Adhesion of ISO class 1/ATM class 4B
- Front cover** | Hard chrome-plated stainless steel SUS 316L#
- Light Window** | Tempered frosted step glass.T=10mm
- Reflector** | Optical Reflector efficiency≥90%
- LED** | NICHIA COB
- Glass pressure capacity** | Full Area=5016kgs
- Cable gland** | IP68 PG-13.5 PA66
- Gasket** | Molding shaped seal
- LED Driver** | Constant Voltage Input,Constant Current Output
- Operating temperature** | -20°C~40°C
- Power Cable** | H07RN-F 2X1.5mm<sup>2</sup> L=0.5m(low voltage)  
H07RN-F 3X1.5mm<sup>2</sup> L=0.5m(high voltage)
- Mounting sleeve** | ABS 106#

## OUTER DIMENSIONS

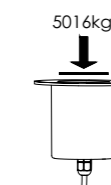
Unit:mm



## OPTIONAL HONEYCOMB LOUVER



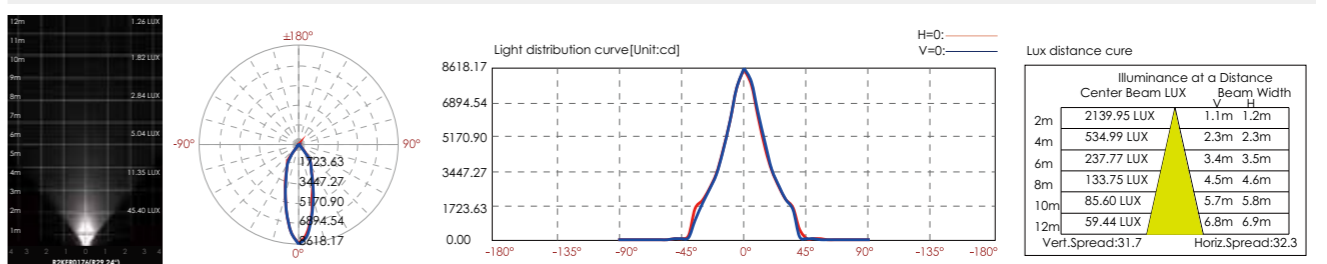
## Glass pressure capacity



## TECHNICAL DATA

Item	Light source	Reflector	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
<b>R2KFR0176</b>	1x40W COB	R29	24°	120/240	120V = 372 240V = 187	120V = 45 240V = 44.5	Cool white =4425 Warm white =4097	10

## PHOTOMETRIC CURVES





# GX5.3 & GU10 Socket Available Inground Luminaire



## LED COLOUR TEMPERATURE

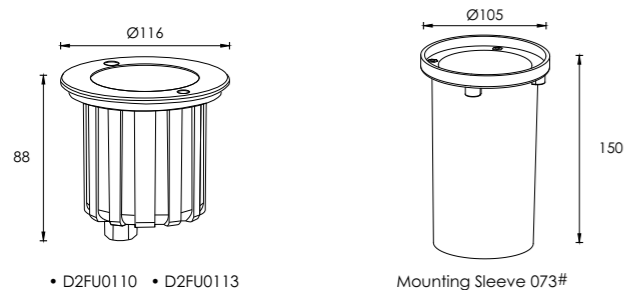
2000K · 3000K · 6000K

## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting grey powder coated aluminum   T=60-80µm Adhesion of ISO class 1/ASTM class 4B
<b>FRONT RING</b>	Hard chromeplated stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	Tempered frosted step glass.T=6mm
<b>GASKET</b>	Molding shaped silicone seal
<b>GLASS PRESSURE CAPACITY</b>	Full area=1920kgs
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>POWER CABLE</b>	H05RN-F 3X1.0mm <sup>2</sup> L=0.5m(for single color)]
<b>MOUNTING SLEEVE</b>	ABS 073#

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



• D2FU0110 • D2FU0113

Mounting Sleeve 073#

## LIGHTING SOURCES OPTION



**GU-10 Pin Halogen Lamp**

- 50W maximum power limit
- Input voltage is according to halogen lamp spec.



**GU-10 Pin LED Lamp**

- Maximum power limit is according to GU10 pin spec.
- Input voltage is according to GU10 pin spec.

## TECHNICAL DATA

ITEM	LAMP SOCKET	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)
D2FU0110	GU-10		
D2FU0113	G-5.3		



INGROUND LIGHT  
COB TYPE



96



98



100



102



103



104



105



106



108

# COB LED Inground Light



## OPTICS



## LED COLOUR TEMPERATURE

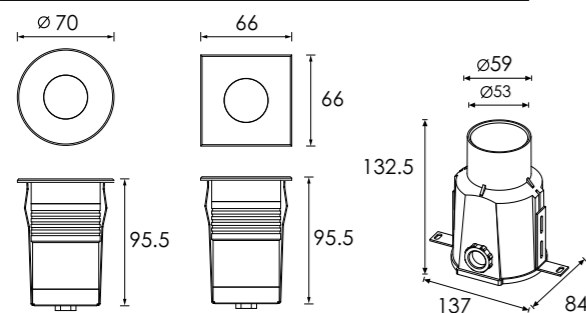
2000K · 3000K · 6000K

## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
- FRONT RING** | Hard chromeplated stainless steel SUS 316#
- LIGHT WINDOW** | Tempered frosted step glass.T=7mm
- REFLECTOR** | Optical Reflector efficiency≥90%
- LED** | NICHIA COB
- GLASS PRESSURE CAPACITY** | Full area=783kgs
- CABLE GLAND** | IP67 Copper and nicked coated
- GASKET** | Molding shaped silicone seal
- LED DRIVER** | Constant Voltage Input.Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m(low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m(high voltage)
- MOUNTING SLEEVE** | ABS 065#

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm

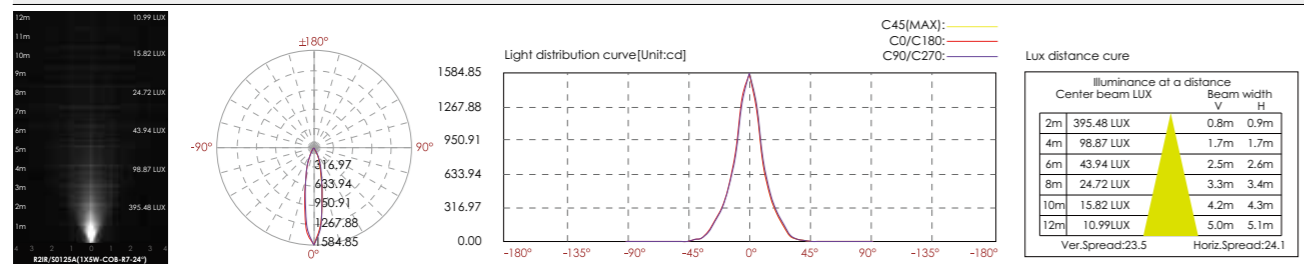


• R2IR0125 A      • R2IS0125 A      Mounting Sleeve 065#

## TECHNICAL DATA

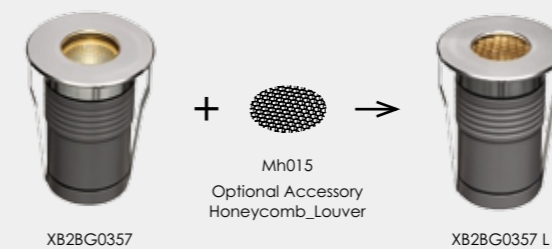
ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R2IR0125 A R2IS0125 A	1×5W COB	R7	24°	24V DC 120/240	24V = 265 120V = 52 240V = 32	24V = 6.3 120V = 6.5 240V = 6.7	Cool White = 506 Warm White = 442	08

## PHOTOMETRIC CURVES



## OPTIONAL HONEYCOMB LOUVER

Product Overview



# Trimless Asymmetrical COB Inground Wall Washer & Recessed Wall Light



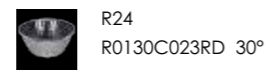
RC2CPR0125

RC2CPS0125

### LED COLOUR TEMPERATURE

3000K · 5000K

### OPTICS

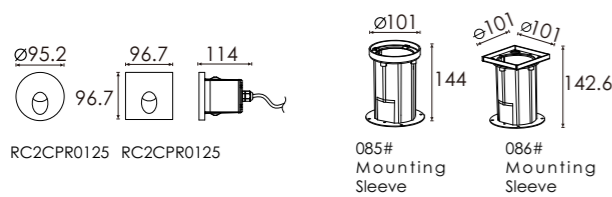


### MATERIAL SPECIFICATIONS

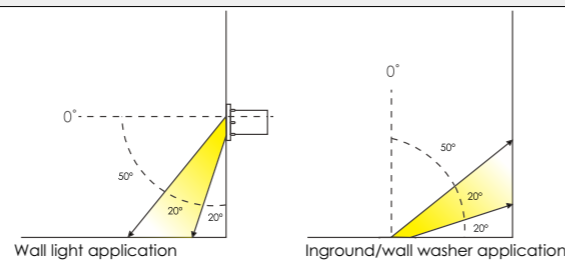
Housing	12# Die-casting grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
Light Window	Step tempered glass.T=4mm
Glass pressure capacity	Full area=5373kgs
Reflector	Optical Reflector efficiency≥90%
Gasket	Molding shaped silicone seal
LED	Multi chip on board LED
LED Driver	Constant Voltage Input,Constant Current Output
Operating temperature	-20°C ~40°C
Power cable	24V: Input: H05RN-F 2×1.0mm² L=0.5M (low voltage) 100/240V: H05RN-F 3×1.0mm² L=0.5M (high voltage)
Mounting sleeve	ABS 085#; ABS 086#

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



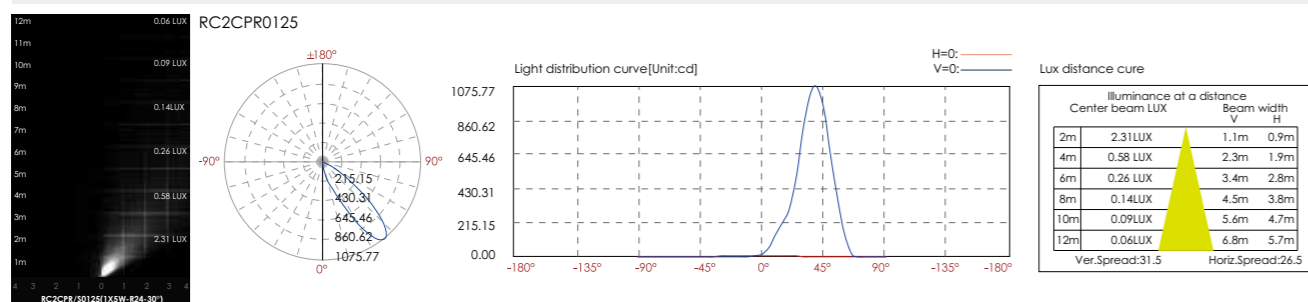
### ASYMMETRICAL DEMO



### TECHNICAL DATA

Item	Light source	Reflector	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
RC2CPR0125	1X5W COB	R24	30°	24V DC 120/240	2.4 V= 233 120V= 49 240V= 31	2.4 V=5.6 120V=5.8 240V=6.4	Cool white=375 Warm white=355	06
RC2CPS0125	1X5W COB	R24	30°	24V DC 120/240	2.4 V= 233 120V= 49 240V= 31	2.4 V=5.6 120V=5.8 240V=6.4	Cool white=375 Warm white=355	06

### PHOTOMETRIC CURVES



# Asymmetrical COB Inground Wall Washer & Recessed Wall Light



### LED COLOUR TEMPERATURE

3000K · 5000K

### OPTICS

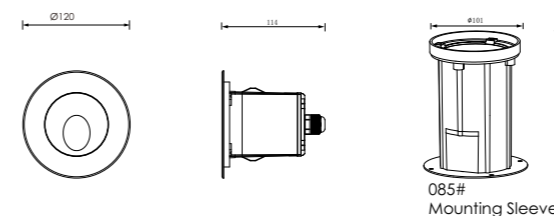


### MATERIAL SPECIFICATIONS

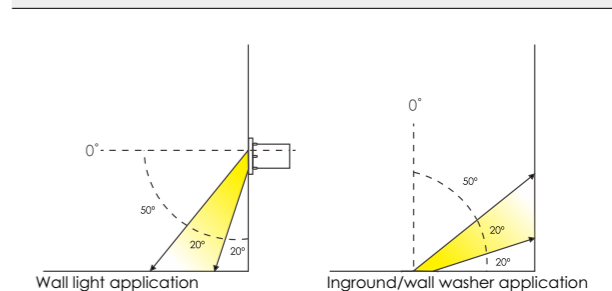
Housing	12# Die-casting grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
Light Window	Step tempered glass.T=4mm
Glass pressure capacity	Full area=5373kgs
Reflector	Optical Reflector efficiency≥90%
Gasket	Molding shaped silicone seal
LED	Multi chip on board LED
LED Driver	Constant Voltage Input,Constant Current Output
Operating temperature	-20°C ~40°C
Power cable	24V: Input: H05RN-F 2×1.0mm² L=0.5M (low voltage) 100/240V: H05RN-F 3×1.0mm² L=0.5M (high voltage)
Mounting sleeve	ABS 085#

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



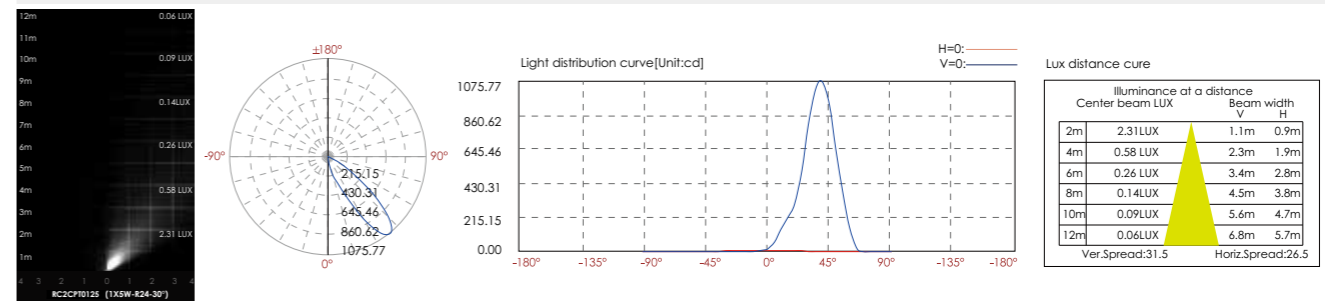
### ASYMMETRICAL DEMO



### TECHNICAL DATA

Item	Light source	Reflector	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
RC2CPT0125	1X5W COB	R24	30°	24V DC 120/240	2.4 V= 233 120V= 49 240V= 31	2.4 V=5.6 120V=5.8 240V=6.4	Cool white=375 Warm white=355	06

### PHOTOMETRIC CURVES

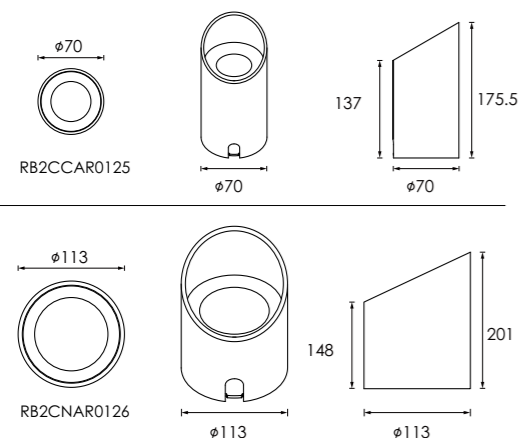


# Surface Mounted Wall Washing Light



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## LED COLOUR TEMPERATURE

3000K · 6000K

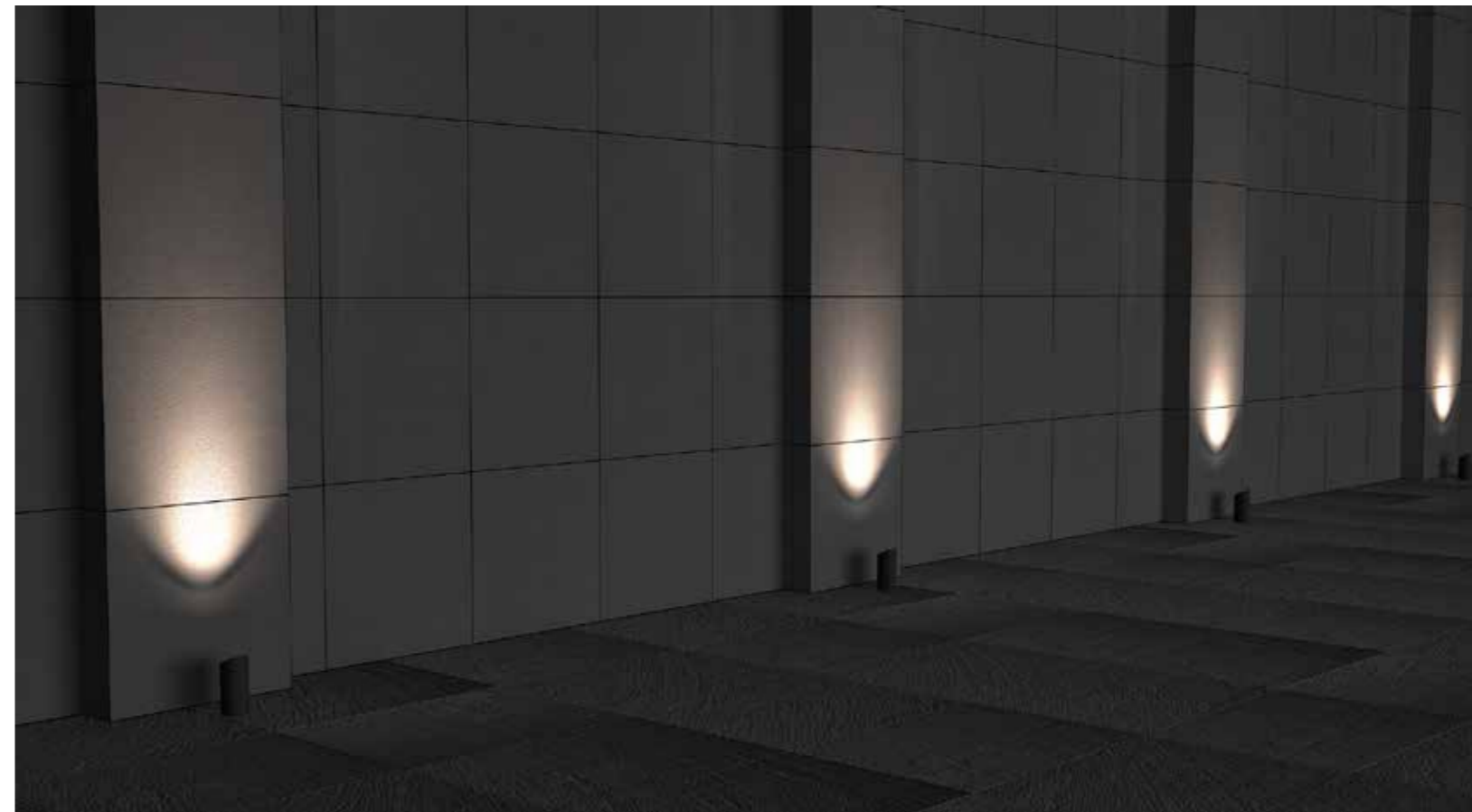
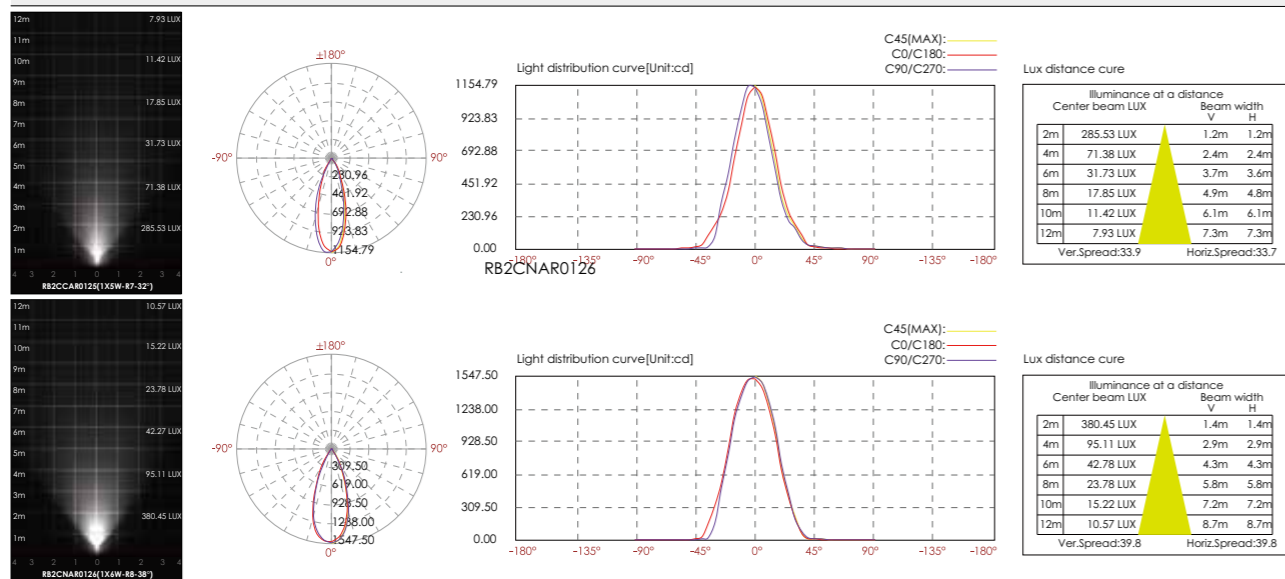
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
| T=60-80μm, Adhesion of ISO class 1/ASTM class 4B
- GLASS** | 1 Step tempered glass, T=4mm
- REFLECTOR** | Optical Reflector efficiency ≥ 90%
- LED** | Multi chip on board LED
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C ~ 40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m (low voltage)  
| H05RN-F 3X1.0mm<sup>2</sup> L=0.5m (high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

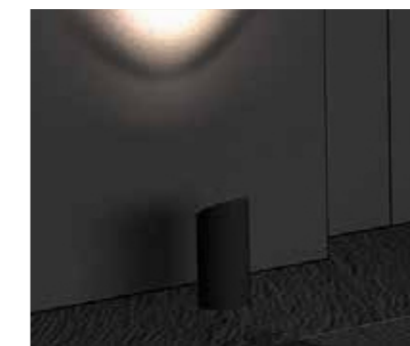
## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
RB2CCAR0125	1×5W	R7	32°	24V DC 120/240	24V = 265 120V = 52 240V = 32	24V = 6.1 120V = 6.5 240V = 6.7	460	06
RB2CNAR0126	1×6W	R8	38°	24V DC 120/240	24V = 320 120V = 72 240V = 40	24V = 7.5 120V = 8.2 240V = 8.5	722	08

## PHOTOMETRIC CURVES



## OPTICS



# COB LED Inground Light



## OPTICS



## LED COLOUR TEMPERATURE

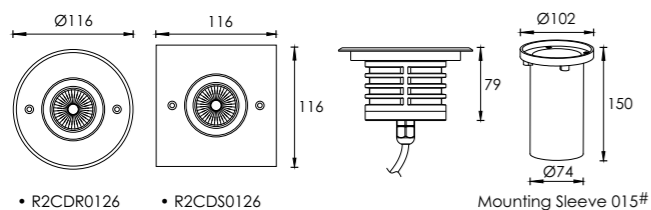
3000K · 6000K

## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum T=60-80μm.
- FRONT RING** | Hard chrome plated Stainless steel SUS 316L#
- LIGHT WINDOW** | Tempered frosted step glass.T=8mm
- CABLE GLAND** | IP68 PG-9 PA66
- GLASS PRESSURE CAPACITY** | Full area=2578kgs
- LED** | NICHIA COB
- PCB** | Excellent heat conductivity aluminum coefficient of heat Conductivity≥2.0w/mk
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- REFLECTOR** | Optical Reflector efficiency≥90%
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m(low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m(high voltage)
- MOUNTING SLEEVE** | ABS 015#

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm

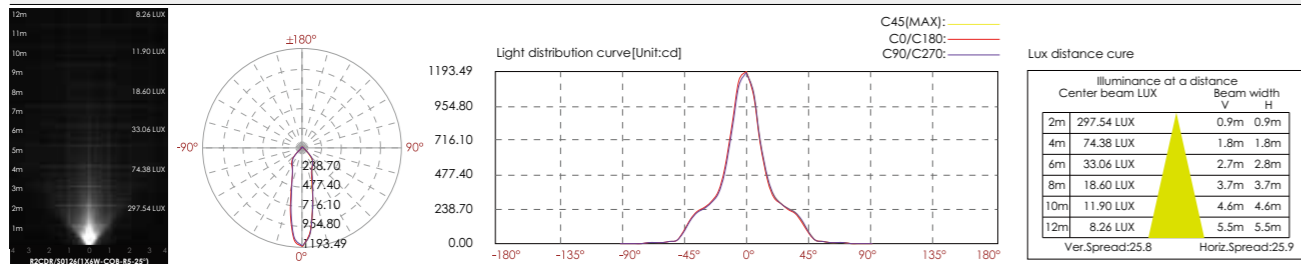


• R2CDR0126 • R2CDS0126

## TECHNICAL DATA

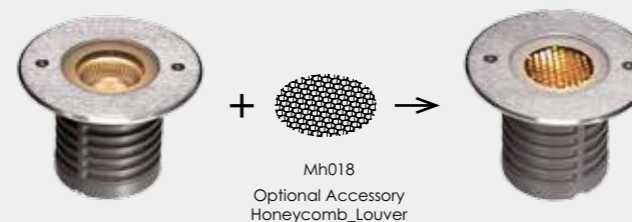
ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R2CDR0126 R2CDS0126	1×6W COB	R5	25°	24V DC 120/240	24V = 270 120V = 45 240V = 37	24V = 6.5 120V = 7.7 240V = 7.8	Cool White = 760 Warm White = 660	09

## PHOTOMETRIC CURVES



## OPTIONAL HONEYCOMB LOUVER

Product Overview

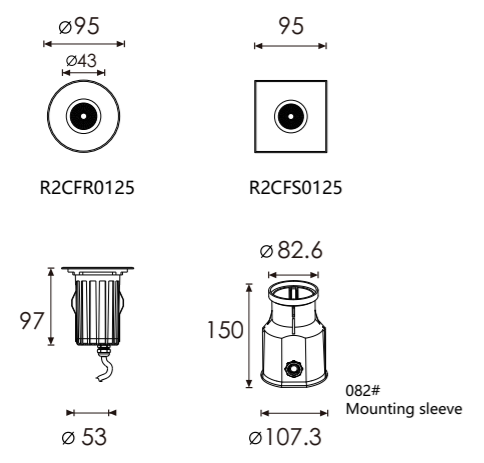


Mh018  
Optional Accessory  
Honeycomb\_Louver

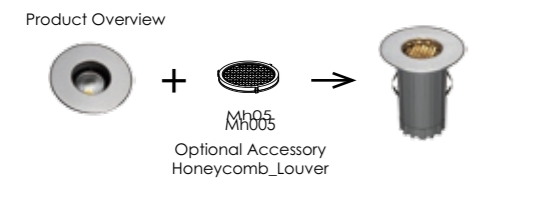
# High Luminance Output Inground Flood Light



## OUTER DIMENSIONS & ACCESSORIES Unit:mm



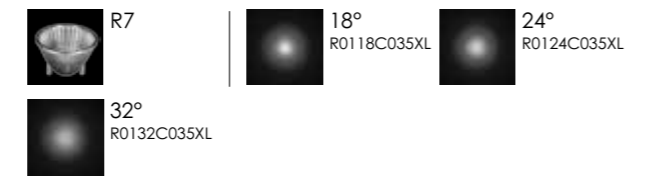
## OPTIONAL HONEYCOMB LOUVER



## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS



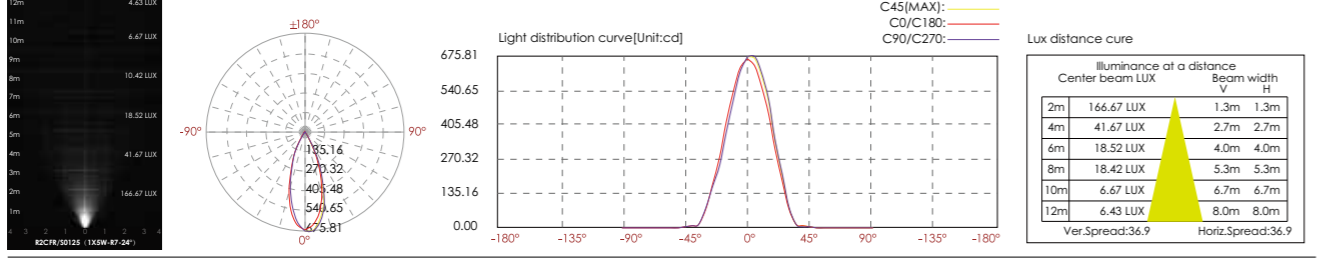
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm Adhesion of ISO class 1/ATM class 4B
- FRONT COVER** | Hard chrome-plated stainless steel SUS 316L#
- LIGHT WINDOW** | Tempered frosted step glass,T=6mm
- REFLECTOR** | Optical Reflector efficiency≥90%
- LED** | NICHIA COB
- GLASS PRESSURE CAPACITY** | Full Area=1195kgs
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Molding shaped seal
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m(low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m(high voltage)
- MOUNTING SLEEVE** | ABS 082#

## TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R2CFR0125 R2CFS0125	1×5W COB	R7	24°	24V DC 120/240	24V = 265 120V = 52 240V = 34	24V = 6.3 120V = 6 240V = 6.8	Cool White = 555 Warm White = 441	09

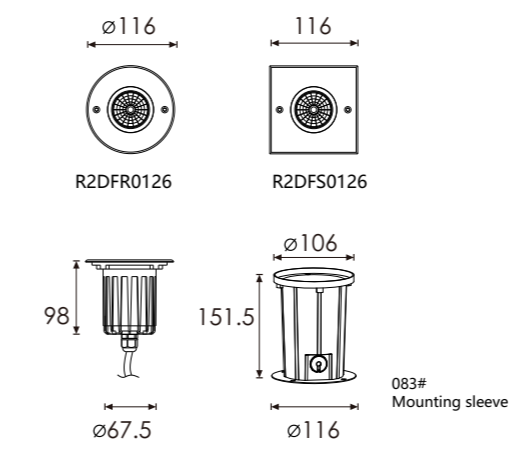
## PHOTOMETRIC CURVES



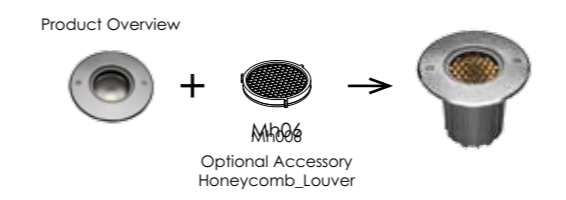
# High Luminance Output Inground Flood Light



## OUTER DIMENSIONS & ACCESSORIES Unit:mm



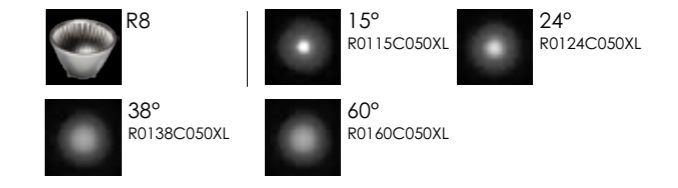
## OPTIONAL HONEYCOMB LOUVER



## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS



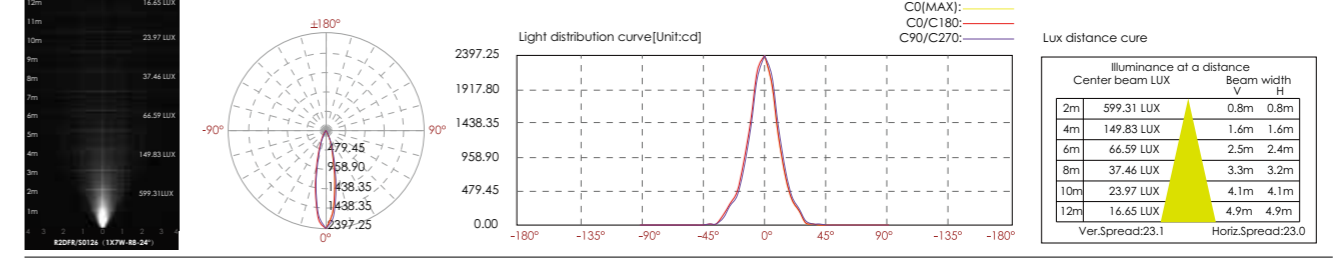
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm Adhesion of ISO class 1/ATM class 4B
- FRONT COVER** | Hard chrome-plated stainless steel SUS 316L#
- LIGHT WINDOW** | Tempered frosted step glass,T=8mm
- REFLECTOR** | Optical Reflector efficiency≥90%
- LED** | NICHIA COB
- GLASS PRESSURE CAPACITY** | Full Area=2526kgs
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Molding shaped seal
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H07RN-F 2X1.0mm<sup>2</sup> L=0.5m(low voltage)  
H07RN-F 3X1.0mm<sup>2</sup> L=0.5m(high voltage)
- MOUNTING SLEEVE** | ABS 067#

## TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R2DFR0126 R2DFS0126	1×7W COB	R8	24°	24V DC 120/240	24V = 324 120V = 72 240V = 40	24V = 7.7 120V = 8.5 240V = 8.5	Cool White = 921 Warm White = 744	09

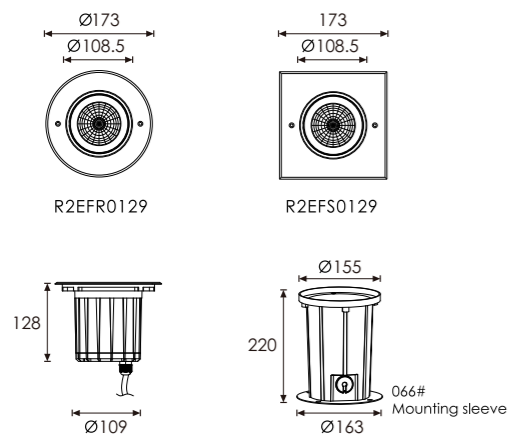
## PHOTOMETRIC CURVES



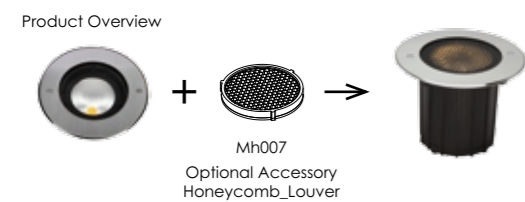
# High Luminance Output Inground Flood Light



## OUTER DIMENSIONS & ACCESSORIES Unit:mm



## OPTIONAL HONEYCOMB LOUVER



## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS



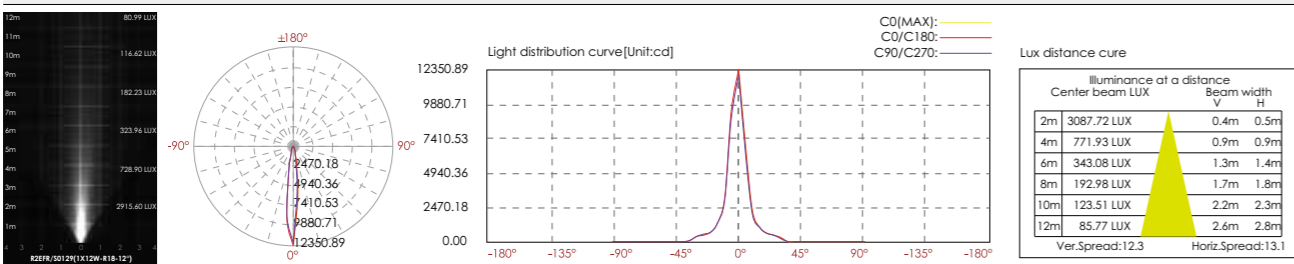
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm Adhesion of ISO class 1/ATM class 4B
- FRONT COVER** | Hard chromeplated stainless steel SUS 316L#
- LIGHT WINDOW** | Tempered frosted step glass.T=8mm
- REFLECTOR** | Optical Reflector efficiency≥90%
- LED** | NICHIA COB
- GLASS PRESSURE CAPACITY** | Full Area=2621kgs
- CABLE GLAND** | IP68 PG-11 PA66
- GASKET** | Molding shaped seal
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H07RN-F 2X1.0mm<sup>2</sup> L=0.5m(low voltage)  
H07RN-F 3X1.0mm<sup>2</sup> L=0.5m(high voltage)
- MOUNTING SLEEVE** | ABS 066#

## TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R2EFR0129 R2EFS0129	1×12W COB	R18	22°	24V DC 120/240	24V = 529 120V = 102 240V = 64	24V = 12.7 120V = 14 240V = 14	Cool White = 1357 Warm White = 1230	10

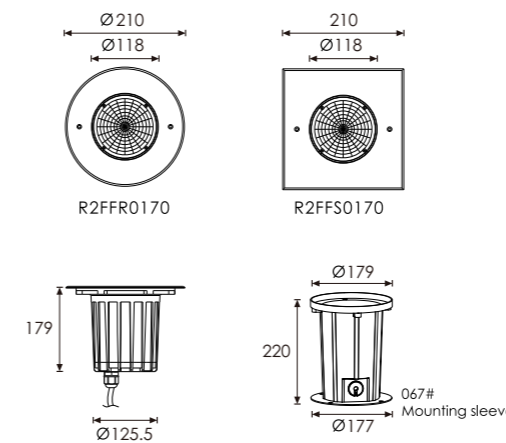
## PHOTOMETRIC CURVES



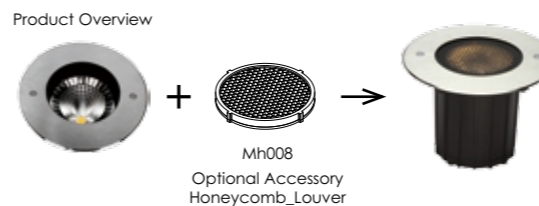
# High Luminance Output Inground Flood Light



## OUTER DIMENSIONS & ACCESSORIES Unit:mm



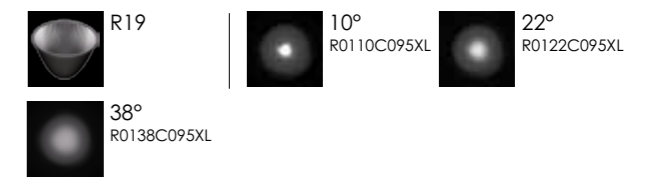
## OPTIONAL HONEYCOMB LOUVER



## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS



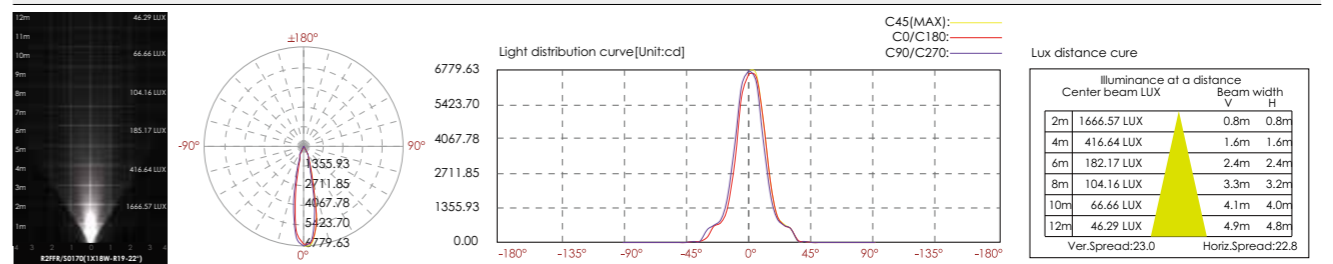
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm Adhesion of ISO class 1/ATM class 4B
- FRONT COVER** | Hard chrome-plated stainless steel SUS 316L#
- LIGHT WINDOW** | Tempered frosted step glass.T=8mm
- REFLECTOR** | Optical Reflector efficiency≥90%
- LED** | NICHIA COB
- GLASS PRESSURE CAPACITY** | Full Area=2940kgs
- CABLE GLAND** | IP68 PG-11 PA66
- GASKET** | Molding shaped seal
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H07RN-F 2X1.0mm<sup>2</sup> L=0.5m(low voltage)  
H07RN-F 3X1.0mm<sup>2</sup> L=0.5m(high voltage)
- MOUNTING SLEEVE** | ABS 067#

## TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R2FFR0170 R2FFS0170	1×18W COB	R19	22°	24V DC 120/240	24V = 700 120V = 160 240V = 85	24V = 17 120V = 18.5 240V = 18.5	Cool White = 1748 Warm White = 1530	10

## PHOTOMETRIC CURVES

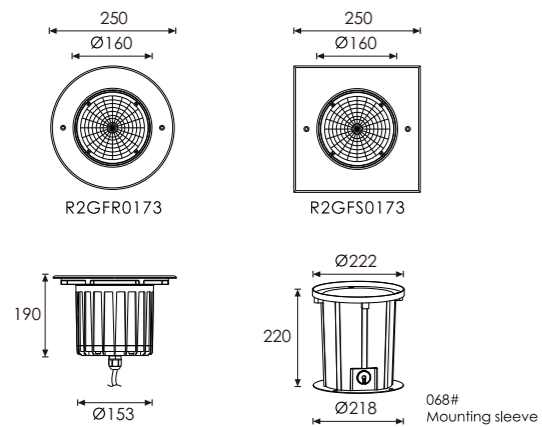




# High Luminance Output Inground Flood Light

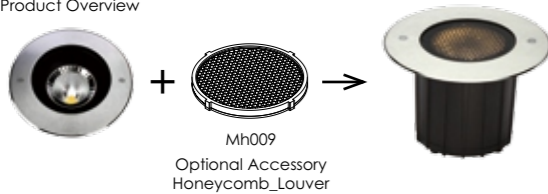


## OUTER DIMENSIONS & ACCESSORIES Unit:mm



## OPTIONAL HONEYCOMB LOUVER

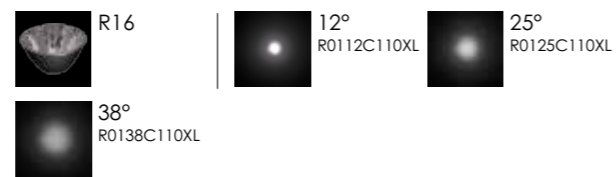
Product Overview



## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS



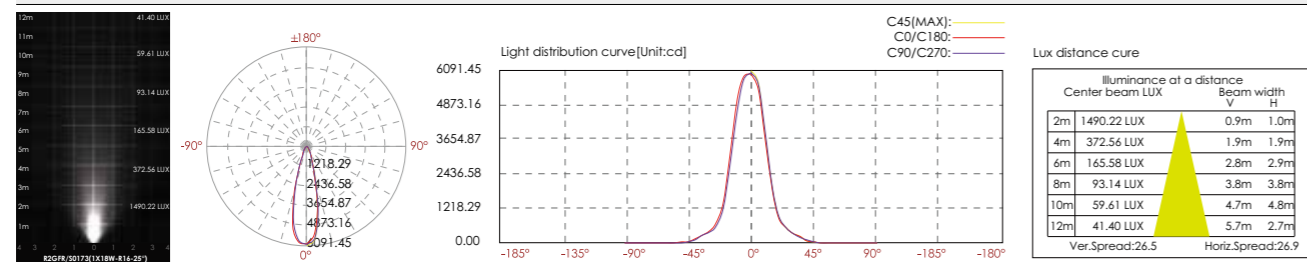
## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting dark grey powder coated aluminum T=60-80µm Adhesion of ISO class 1/ATM class 4B
<b>FRONT COVER</b>	1 Hard chrome-plated stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	1 Tempered frosted step glass,T=10mm
<b>REFLECTOR</b>	1 Optical Reflector efficiency≥90%
<b>LED</b>	1 NICHIA COB
<b>GLASS PRESSURE CAPACITY</b>	1 Full Area=5016kgs
<b>CABLE GLAND</b>	1 IP68 PG-13.5 PA66
<b>GASKET</b>	1 Molding shaped seal
<b>LED DRIVER</b>	1 Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	1 -20°C~40°C
<b>POWER CABLE</b>	H07RN-F 2X1.5mm <sup>2</sup> L=0.5m(low voltage) H07RN-F 3X1.5mm <sup>2</sup> L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	1 ABS 068#

## TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R2GFR0173</b>	1×25W COB	R16	12°	24V DC	24V = 1040	24V = 25	Cool White = 2365 Warm White = 1849	10
<b>R2GFS0173</b>				120V/240	120V = 240 240V = 130	120V = 28 240V = 28		

## PHOTOMETRIC CURVES



# COB Depth Illuminant Mega LED Inground Light

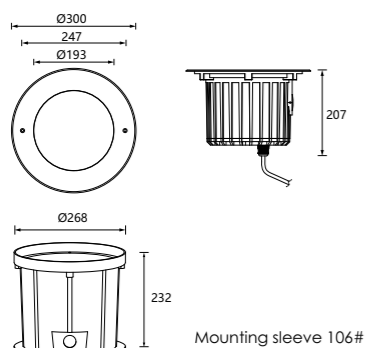


### LED COLOUR TEMPERATURE

3000K · 5000K

### OUTER DIMENSIONS

Unit:mm



Mounting sleeve 106#

### OPTICS LENS

B57  
L0115D090HK 15°  
L0125D090HK 25°  
L0136D090HK 36°

### B57



15° 25° 36°

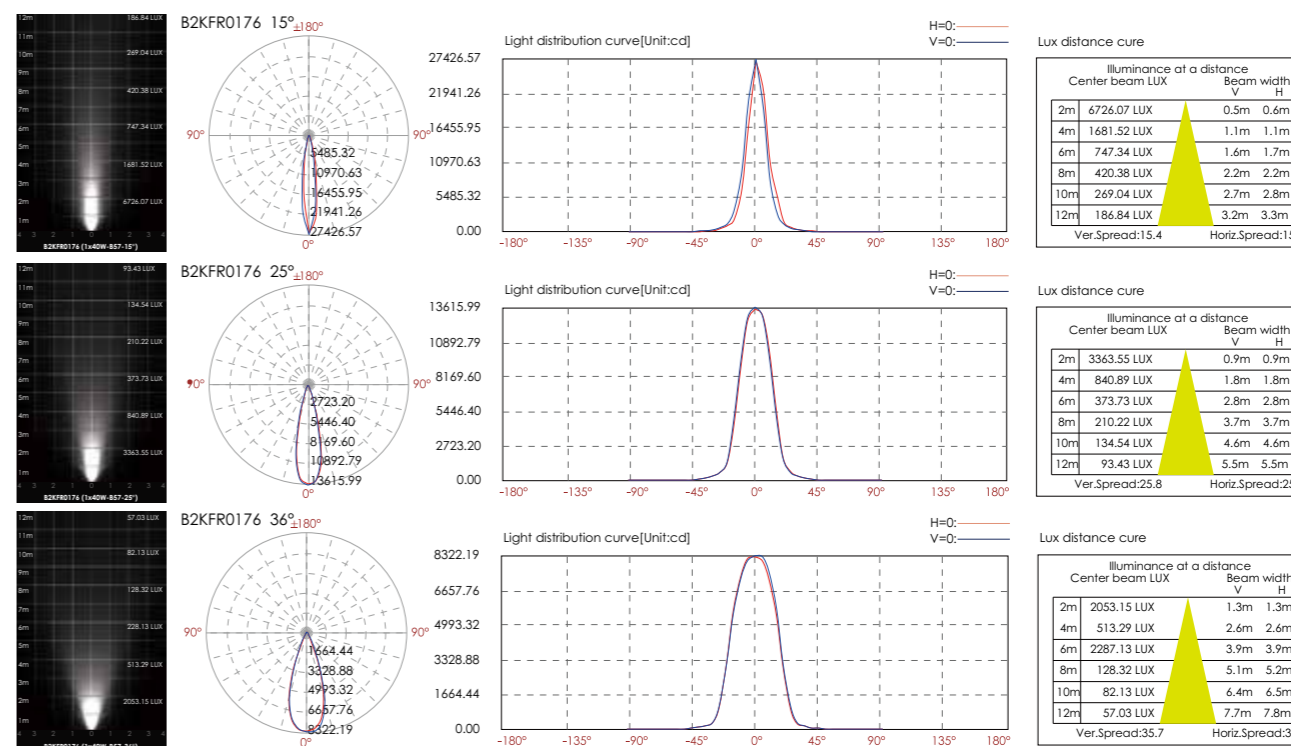
### MATERIAL SPECIFICATIONS

<b>Housing</b>	12# die-casting grey powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
<b>Front cover</b>	Hard chromeplated stainless steel SUS 316L#
<b>Glass</b>	Step tempered glass.T=10mm
<b>Reflector</b>	Optical Reflector efficiency≈90%
<b>LED</b>	CREE COB
<b>Glass pressure capacity</b>	Full area = 5356 kgs
<b>Cable gland</b>	IP68 PG-13.5 PA66
<b>Gasket</b>	Molding shaped seal
<b>LED Driver</b>	Constant Voltage Input,Constant Current Output
<b>Operating temperature</b>	-20°C~40°C
<b>Power cable</b>	H07RN-F 3X1.5mm L= 0.5m
<b>Mounting sleeve</b>	ABS 106#

### TECHNICAL DATA

Item	Light source	Reflector	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK
<b>B2KFR0176</b>	1×40W COB	B57	15°/25°/36°	120/240V	120V = 372 240V = 187	120V = 45.0 240V = 44.5	Cool white =3565 Warm white =3173	10

### PHOTOMETRIC CURVES



# Asymmetrical COB Inground Flood Light



## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS

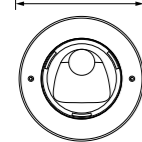


R22

## OUTER DIMENSIONS & ACCESSORIES

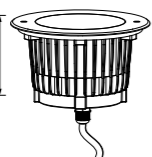
Unit:mm

Ø200

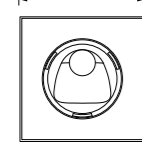


R2UAR0171

136



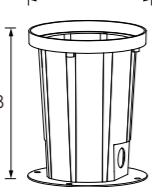
200



R2UAS0171

Ø177

218



102# Mounting sleeve

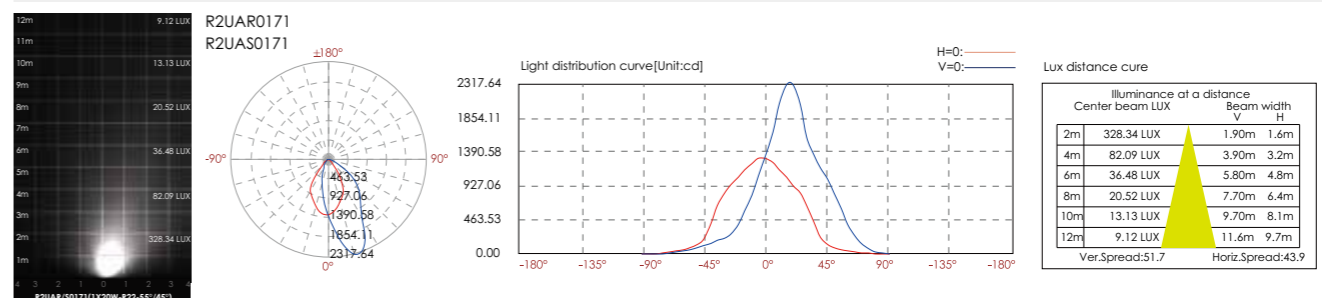
## MATERIAL SPECIFICATIONS

- Front cover & Housing** | 12" Die-casting grey powder coated aluminum, T=60-80µm Adhesion of ISO class 1/ASTM class 4B
- Front ring** | Hard chromeplated stainless steel SUS 316L #
- Light window** | Step tempered glass, T=8mm
- Glass pressure capacity** | Full area=3489kgs
- Cable gland** | IP68 PG-9 PA66
- Gasket** | Silicone seal
- LED** | COB LED
- Reflector** | Optical Reflector efficiency≥90%
- LED Driver** | Constant Voltage Input, Constant Current Output
- Operating temperature** | -20°C~40°C
- Power Cable** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m(low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m(high voltage)
- Mounting sleeve** | ABS 102 #

## TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
R2UAR0171	1×20W	R22	55° 45°	24V DC 120/240	24V = 960 120V = 205 240V = 104	24V = 23.0 120V = 24.0 240V = 24.4	Cool white=2465 Warm white=2022	09
R2UAS0171	1×20W	R22	55° 45°	24V DC 120/240	24V = 960 120V = 205 240V = 104	24V = 23.0 120V = 24.0 240V = 24.4	Cool white=2465 Warm white=2022	09

## PHOTOMETRIC CURVES



# Recessed Inground Light

Stainless steel front cover with Matte Surface treatment



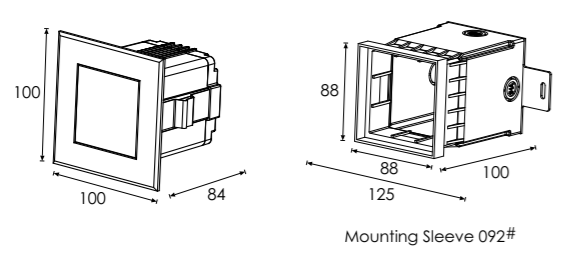
**OPTICS**

R5  
18°  
25°  
40°  
R0118C044XL  
R0125C044XL  
R0140C044XL

**LED COLOUR TEMPERATURE**

3000K · 6000K

**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



**MATERIAL SPECIFICATIONS**

**HOUSING** | 12# Die-casting grey powder coated aluminum  
T=60-80um Adhesion of ISO class 1/ASTM class 4B

**FRONT COVER** | Hard chromeplated stainless steel SUS 316#

**LIGHT WINDOW** | Tempered frosted step glass,T=8mm

**LED** | NICHIA COB LED

**CABLE GLAND** | IP67 copper and nicked coated

**GASKET** | Molding shaped silicone seal

**LED DRIVER** | Constant Voltage Input,Constant Current Output

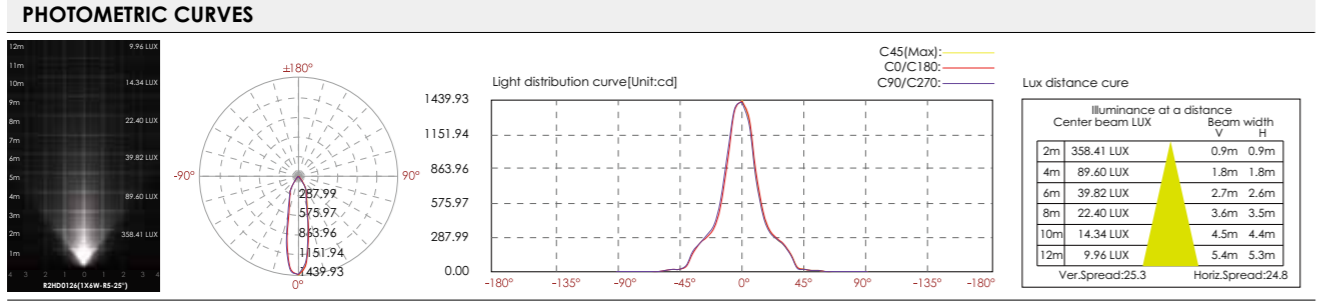
**OPERATING TEMPERATURE** | -20°C~40°C

**POWER CABLE** | H05RN-F 2×1.0mm<sup>2</sup> L=0.5(low voltage)  
H05RN-F 3×1.0mm<sup>2</sup> L=0.5(high voltage)

**MOUNTING SLEEVE** | ABS 092#

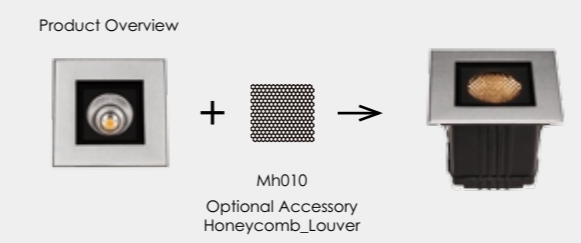
**TECHNICAL DATA**

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R2HD0126	1×6W	R5	25°	24V DC 120/240	24V = 300 120V = 65 240V = 37	24V = 7.2 120V = 7.7 240V = 7.8	Cool White = 648 Warm White = 507	07

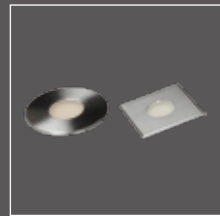


- There are two metals support plate on the bottom of the sleeve. It is used for fixing and preventing the mounting sleeve shifting while filling the concrete.
- These will simply installer and electrician while they are recessing the sleeves.

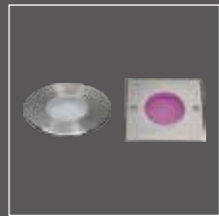
**OPTIONAL HONEYCOMB LOUVER**



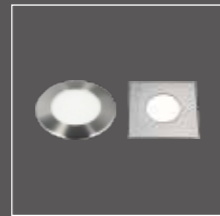
INGROUND LIGHT  
DIFFUSER TYPE



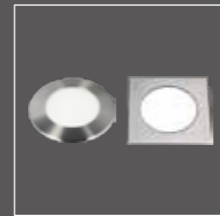
112



113



114

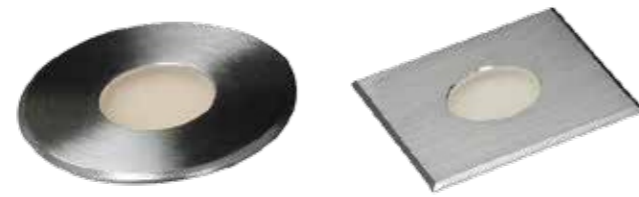


115



116

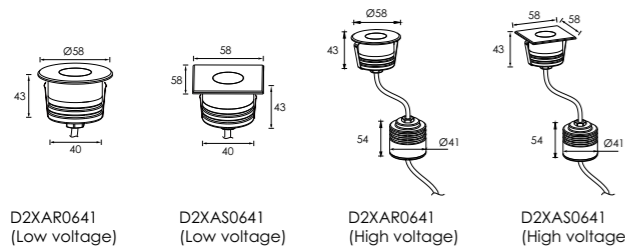
# Recessed Wooden Floor Light



### LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

### OUTER DIMENSIONS & ACCESSORIES Unit:mm



D2XAR0641 (Low voltage)    D2XAS0641 (Low voltage)    D2XAR0641 (High voltage)    D2XAS0641 (High voltage)



### OPTICS

N/A

### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80μm, Adhesion of ISO class 1/ASTM class 4B
- FRONT RING** | Hard chrome plated stainless steel SUS 316#
- LIGHT WINDOW** | Tempered frosted step glass, T=7mm
- GLASS PRESSURE CAPACITY** | Full area=1106kgs
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m (high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### INSTALLATION DIAGRAM

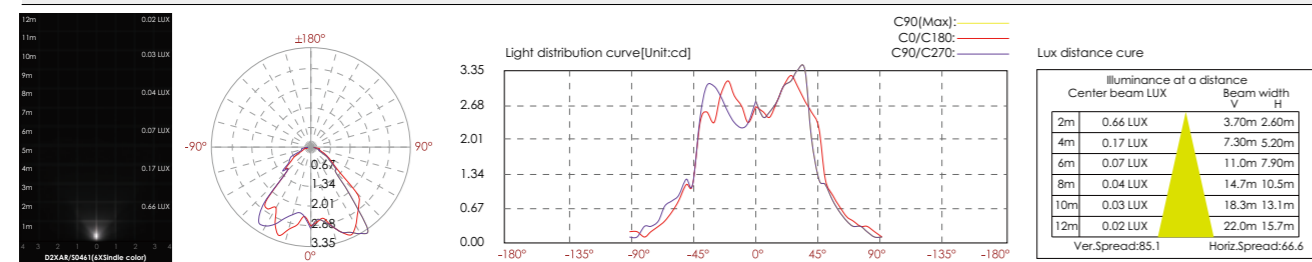


Minimum space for external driver is 48mm  
IP67 120V/240V/24V&RGB 24V external input driver

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D2XAR0641	6x0.06W	24V DC	24V = 17	24V = 0.4	Cool White = 2	10
D2XAS0641	Single color	240V	240V = 13	240V = 0.7	Warm White = 1	

### PHOTOMETRIC CURVES



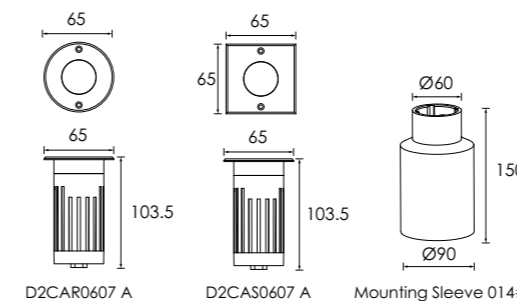
# Small Size LED Inground Light



### LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

### OUTER DIMENSIONS & ACCESSORIES Unit:mm



D2CAR0607 A    D2CAS0607 A    Mounting Sleeve 014#

### OPTICS

N/A

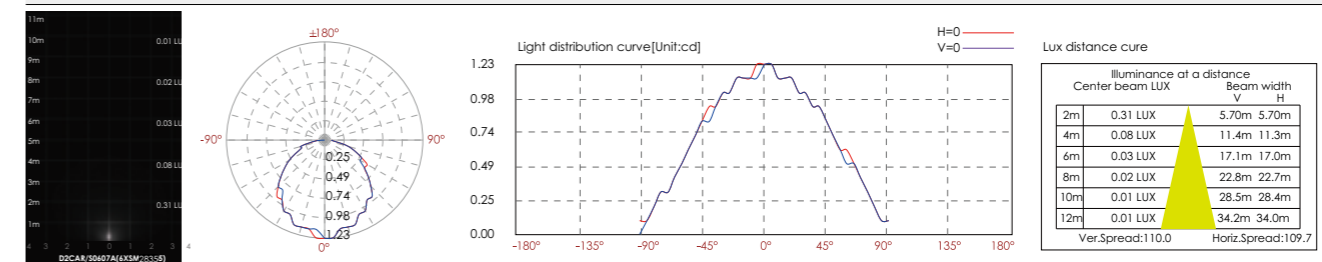
### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting grey powder coated aluminum  
T=60-80μm Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chrome plated stainless steel SUS 316#
- LIGHT WINDOW** | Tempered frosted step glass, T=5mm
- GLASS PRESSURE CAPACITY** | Full area=783kgs
- GASKET** | IP67 Copper and nicked coated
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m (high voltage)
- MOUNTING SLEEVE** | ABS 014#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D2CAR0607 A	6xSMD2835	24V DC 120/240	24V = 16	24V = 0.38	Cool White = 4 Warm White = 3.5	09
			120V = 13	120V = 0.7		
			240V = 7	240V = 0.8		
D2CAS0607 A	6xSMD2835	24V DC 120/240	24V = 16	24V = 0.38	Cool White = 4.1 Warm White = 3.5	09
			120V = 13	120V = 0.7		
			240V = 7	240V = 0.8		

### PHOTOMETRIC CURVES



# Recessed Wooden Floor Light



## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OPTICS

N/A

## INSTALLATION DIAGRAM

High Voltage



Low Voltage



Minimum space for external driver is 48mm  
 B: External IP67 water-proof box for driver of high voltage type

## MATERIAL SPECIFICATIONS

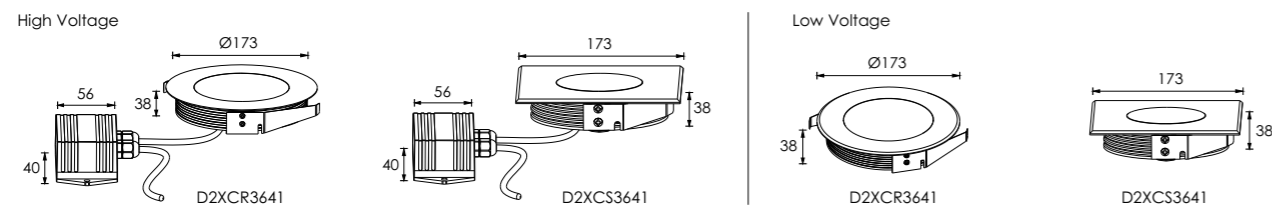
- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
 T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- FRONT RING** | Hard chromeplated stainless steel SUS 316L#
- LIGHT WINDOW** | Tempered frosted step glass.T=8mm
- GLASS PRESSURE CAPACITY** | Full area=3370kgs
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m(low voltage)  
 H05RN-F 3X1.0mm<sup>2</sup> L=0.5m(high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali



3000K° 4000K° 6000K°

## OUTER DIMENSIONS & ACCESSORIES

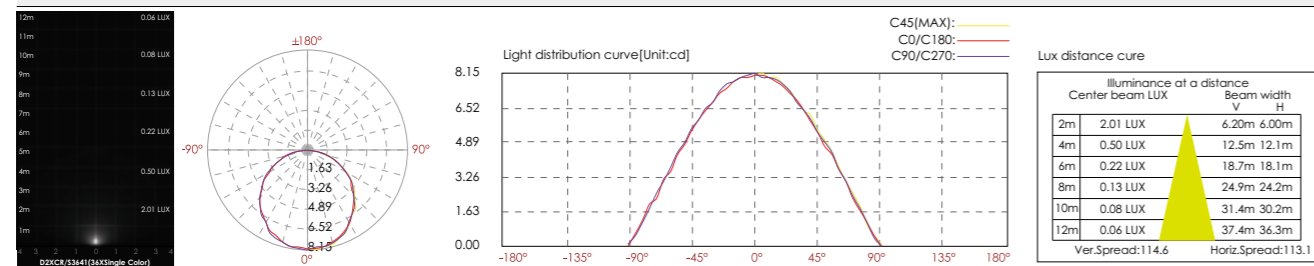
Unit:mm



## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>D2XCR3641</b>	36x0.06W	24V DC	24V = 100	24V = 2.4	Cool White = 51	08
<b>D2XCS3641</b>	Single color	240V	240V = 29	240V = 3.1	Warm White = 42	08

## PHOTOMETRIC CURVES



# Recessed Wooden Floor Light



## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OPTICS

N/A

## INSTALLATION DIAGRAM

High Voltage



Low Voltage



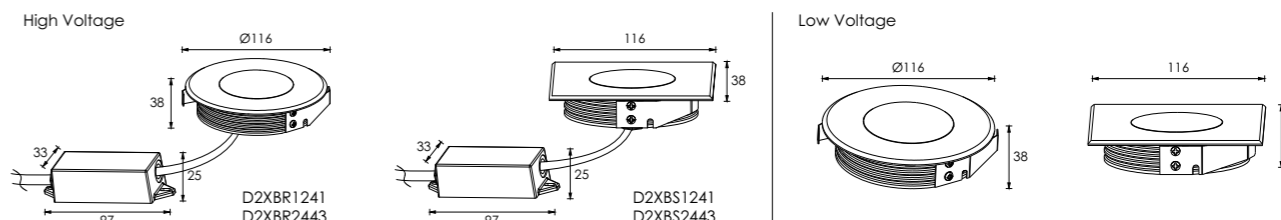
Minimum space for external driver is 48mm  
 B: External IP67 water-proof box for driver of high voltage · RGB · RGBW type

## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
 T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- FRONT RING** | Hard chromeplated stainless steel SUS 316L#
- LIGHT WINDOW** | Tempered frosted step glass.T=8mm
- GLASS PRESSURE CAPACITY** | Full area=3370kgs
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m(low voltage)  
 H05RN-F 3X1.0mm<sup>2</sup> L=0.5m(high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## OUTER DIMENSIONS & ACCESSORIES

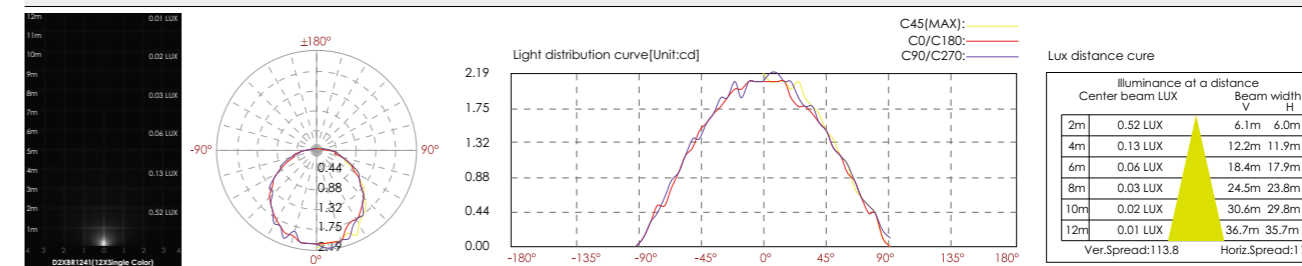
Unit:mm



## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>D2XBR1241</b>	12x0.06W	24V DC	24V = 34	24V = 0.8	Cool White = 20	08
<b>D2XBS1241</b>	single color	240V	240V = 17	240V = 1.2	Warm White = 13	08

## PHOTOMETRIC CURVES



# Recessed Inground Light

Stainless steel front cover with Matte Surface treatment



### LED COLOUR TEMPERATURE

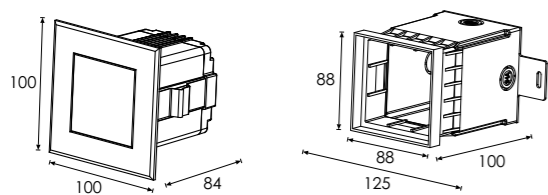
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



Mounting Sleeve 092#

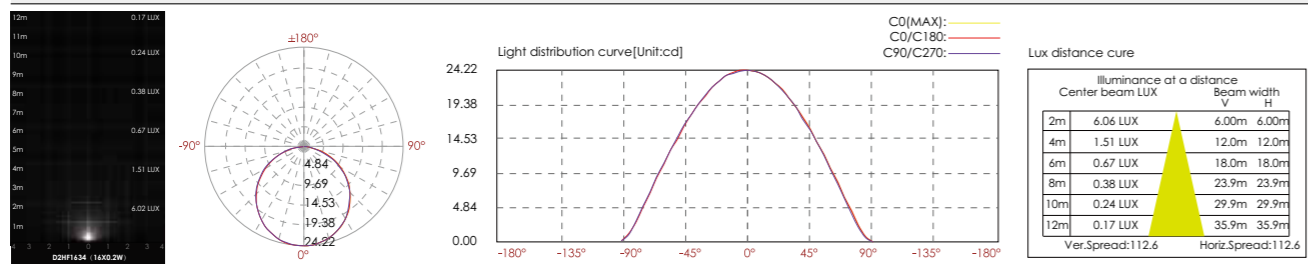
### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting grey powder coated aluminum  
T=60-80um Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chromeplated stainless steel SUS 316L#
- LIGHT WINDOW** | Tempered frosted step glass.T=8mm.white print
- LED** | SMD3030 type LED
- CABLE GLAND** | IP67 copper and nicked coated
- GASKET** | Molding shaped silicone seal
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2×1.0mm<sup>2</sup> L=0.5(kow voltage)  
H05RN-F 3×1.0mm<sup>2</sup> L=0.5(high voltage)
- MOUNTING SLEEVE** | ABS 092#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D2HF1634	16×0.2W	24V DC	24V = 125	24V = 3	Cool White = 72 Warm White = 65	09
		120 / 240	120V = 58	120V = 3.7		
			240V = 34	240V = 3.8		

### PHOTOMETRIC CURVES



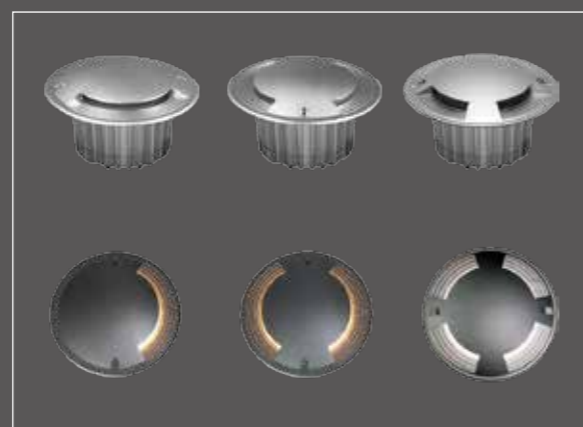
- There are two metals support plate on the bottom of the sleeve. It is used for fixing and preventing the mounting sleeve shifting while filling the concrete.
- These will simply installer and electrician while they are recessing the sleeves.



# INGROUND LIGHT DRIVE-OVER TYPE



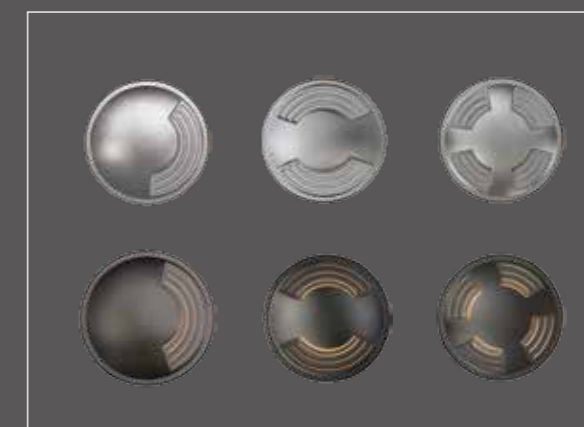
120



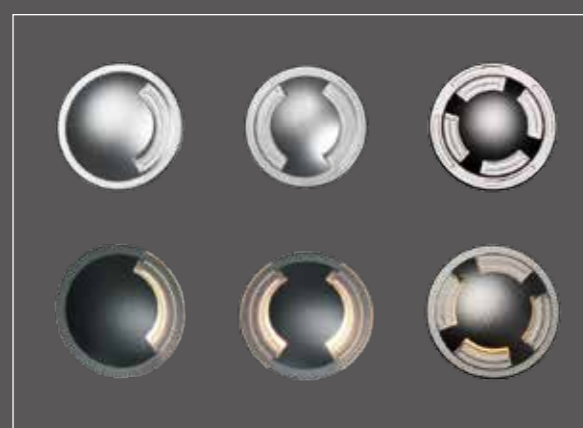
122



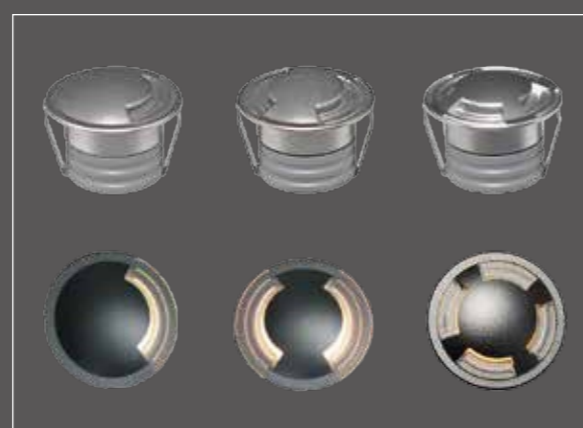
123



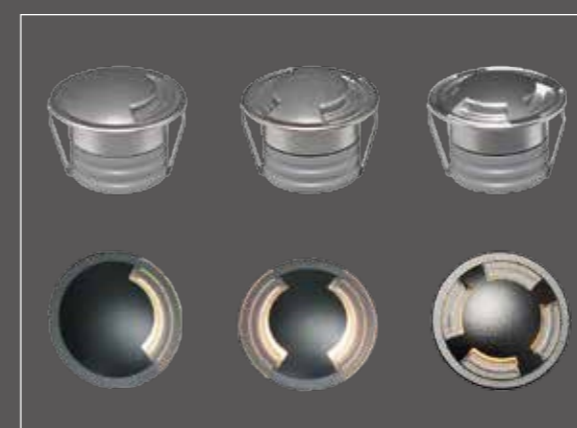
124



125



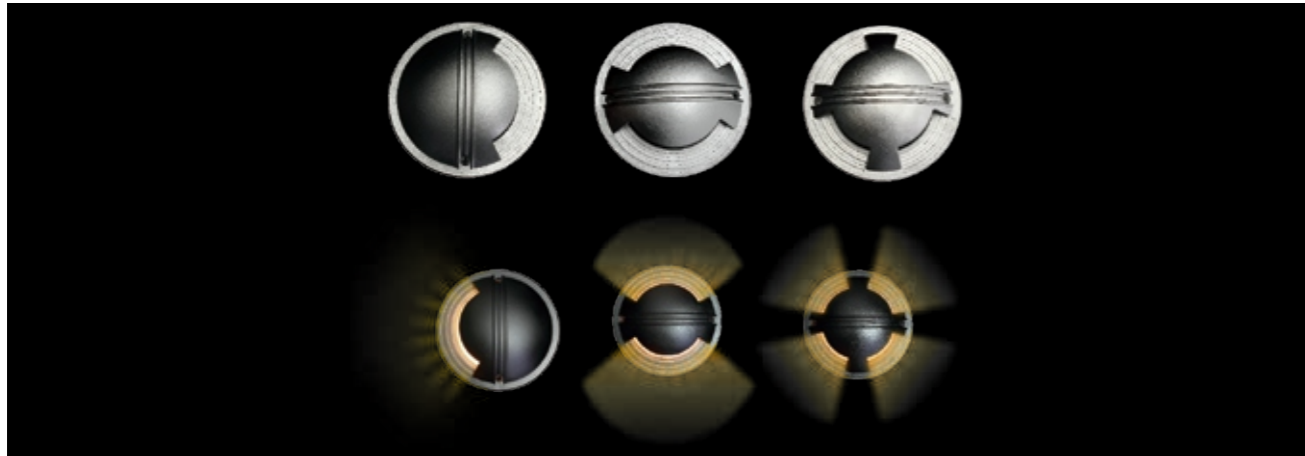
126



128

# Strong Load Bearing Capacity

Spot type LED Drive-Over Light/Stainless Steel Front Cover



### LED COLOUR TEMPERATURE

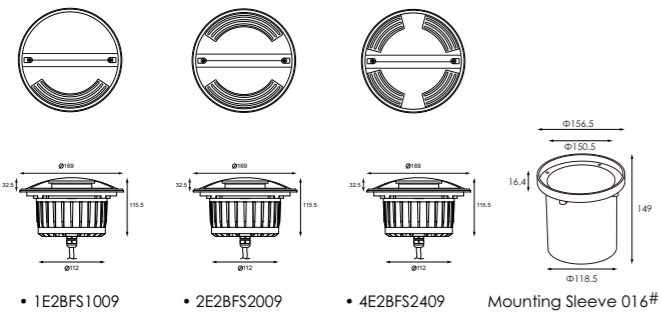
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



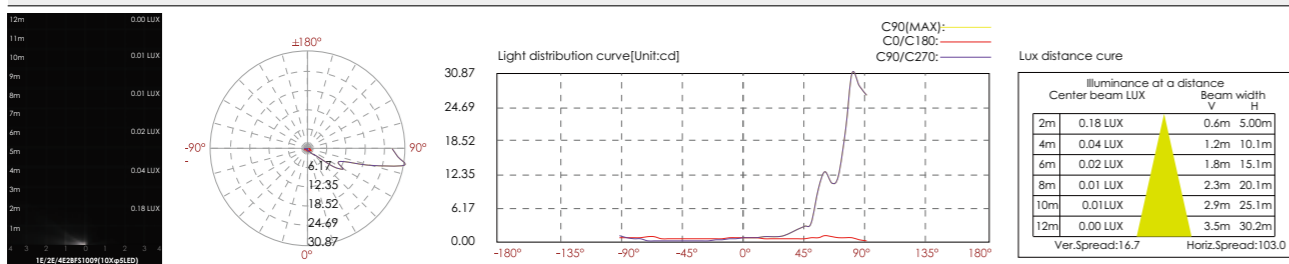
### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chromeplated stainless steel SUS 316#
- LOADING CAPACITY** | >2000kg
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Molding shaped silicone seal
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H07RN-F 2X1.0mm<sup>2</sup> L=0.5m (low voltage)  
H07RN-F 3X1.0mm<sup>2</sup> L=0.5m (high voltage)
- MOUNTING SLEEVE** | ABS 016#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### TECHNICAL DATA

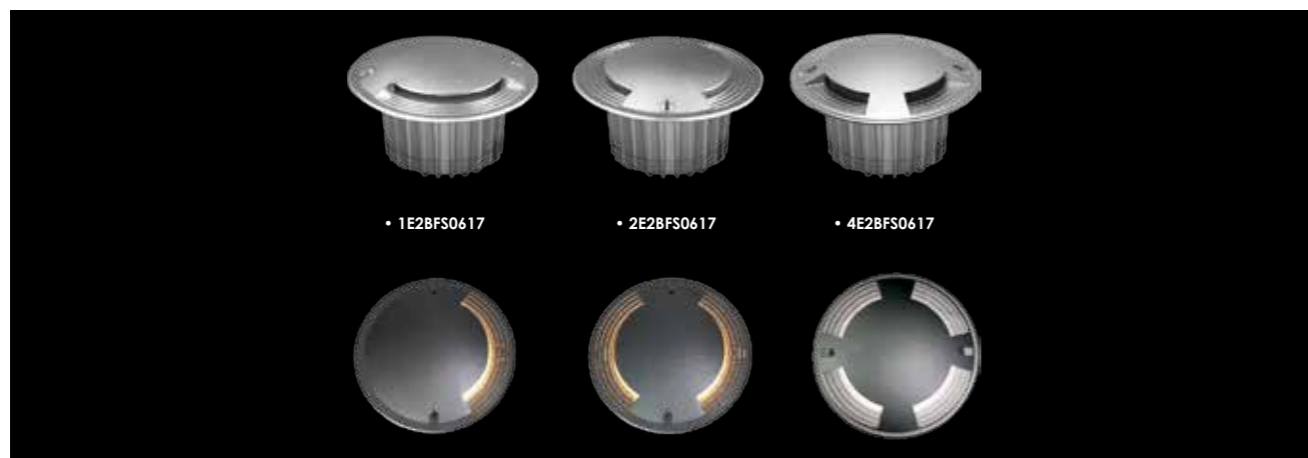
ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	IK
1E2BFS1009	10×Φ5 LED	24V DC 120 / 240	24V = 34	24V = 0.8	10
			120V = 25	120V = 1.2	
			240V = 17	240V = 1.4	
2E2BFS2009	20×Φ5 LED	24V DC 120 / 240	24V = 68	24V = 1.6	10
			120V = 36	120V = 2.1	
			240V = 21	240V = 2.1	
4E2BFS2409	24×Φ5 LED	24V DC 120 / 240	24V = 71	24V = 1.7	10
			120V = 38	120V = 2.4	
			240V = 23	240V = 2.4	

### PHOTOMETRIC CURVES



# Strong Load Bearing Capacity

LED Drive-Over Light/Stainless Steel Front Cover

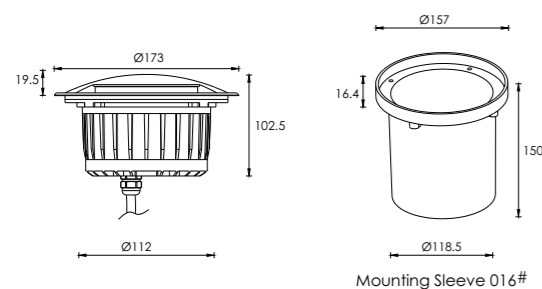


### LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



### OPTICS

N/A

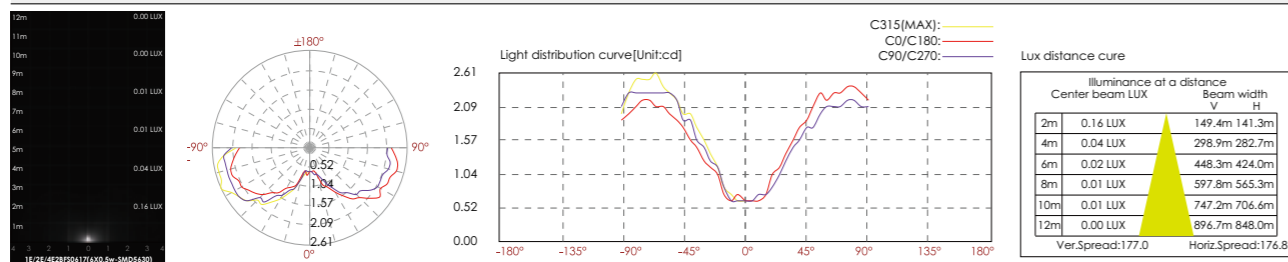
### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chrome plated stainless steel SUS 316#
- LOADING CAPACITY** | >2000kg
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Molding shaped silicone seal
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m (high voltage)
- MOUNTING SLEEVE** | ABS 016#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	IK
1E2BFS0617	SMD3030 LED6×0.5W	24V DC 120 / 240	24V = 124	24V = 2.9	10
			120V = 57	120V = 3.9	
			240V = 33	240V = 4	
2E2BFS0617	SMD3030 LED6×0.5W	24V DC 120 / 240	24V = 124	24V = 2.9	10
			120V = 57	120V = 3.9	
			240V = 33	240V = 4	
4E2BFS0617	SMD3030 LED6×0.5W	24V DC 120 / 240	24V = 124	24V = 2.9	10
			120V = 57	120V = 3.9	
			240V = 33	240V = 4	

### PHOTOMETRIC CURVES



# Strong Load Bearing Capacity

LED Drive-Over Light/Stainless Steel Front Cover



### LED COLOUR TEMPERATURE

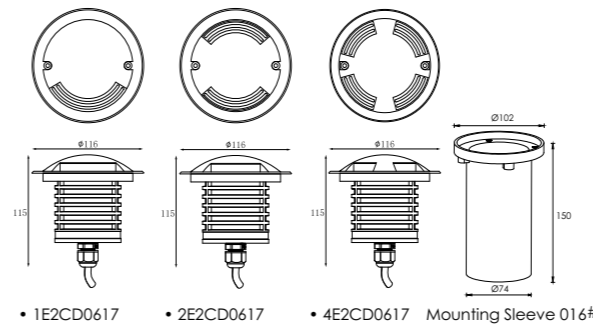
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

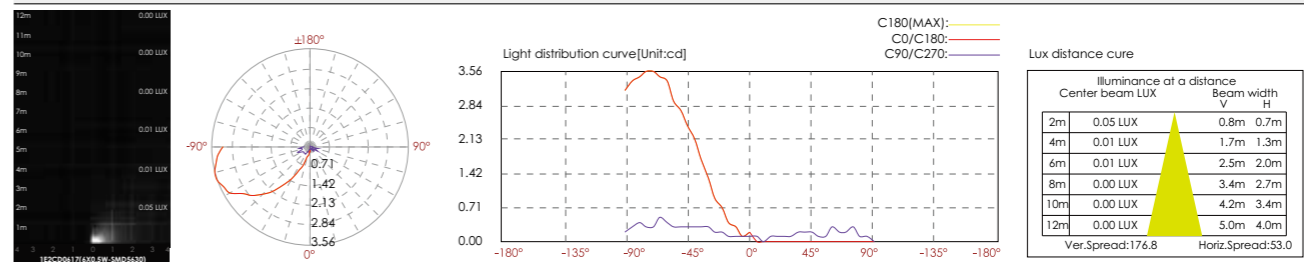
Unit:mm



### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	IK
1E2CD0617	SMD3030 LED6×0.5W	24V DC 120/240	24V = 124	24V = 2.9	10
			120V = 57	120V = 3.9	
			240V = 33	240V = 4	
2E2CD0617	SMD3030 LED6×0.5W	24V DC 120/240	24V = 124	24V = 2.9	10
			120V = 57	120V = 3.9	
			240V = 33	240V = 4	
4E2CD0617	SMD3030 LED6×0.5W	24V DC 120/240	24V = 124	24V = 2.9	10
			120V = 57	120V = 3.9	
			240V = 33	240V = 4	

### PHOTOMETRIC CURVES



# Strong Load Bearing Capacity

LED Drive-Over Light/Stainless Steel Front Cover



### LED COLOUR TEMPERATURE

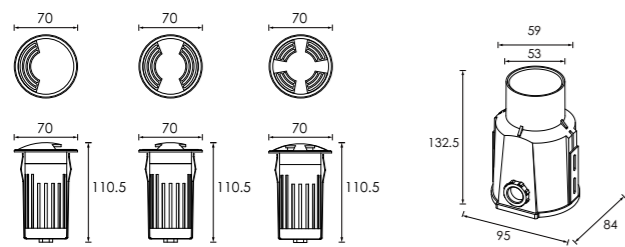
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



• 1E2CA0157 A • 2E2CA0157 A • 4E2CA0157 A

Mounting Sleeve 065#

### MATERIAL SPECIFICATIONS

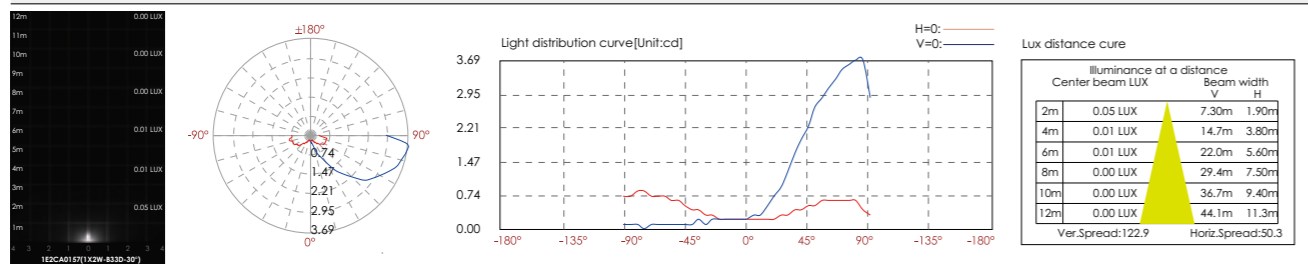
<b>HOUSING</b>	12# Die-casting dark grey powder coated aluminum   T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	Hard chromeplated stainless steel SUS 316#
<b>LOADING CAPACITY</b>	>2000kg
<b>GASKET</b>	Molding shaped silicone seal
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m(low voltage)   H05RN-F 3X1.0mm2 L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	065# ABS plastic
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali



### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
1E2CA0157 A	1×2W	24V DC 120/240	24V = 108	24V = 2.5	Cool White = 4.8	10
			120V = 47	120V = 3	Warm White = 4.3	
			240V = 28	240V = 3		
2E2CA0157 A	1×2W	24V DC 120/240	24V = 108	24V = 2.5	Cool White = 4.8	10
			120V = 47	120V = 3	Warm White = 4.3	
			240V = 28	240V = 3		
4E2CA0157 A	1×2W	24V DC 120/240	24V = 108	24V = 2.5	Cool White = 4.8	10
			120V = 47	120V = 3	Warm White = 4.3	
			240V = 28	240V = 3		

### PHOTOMETRIC CURVES



# Strong Load Bearing Capacity

LED Drive-Over Light/Stainless Steel Front Cover



### LED COLOUR TEMPERATURE

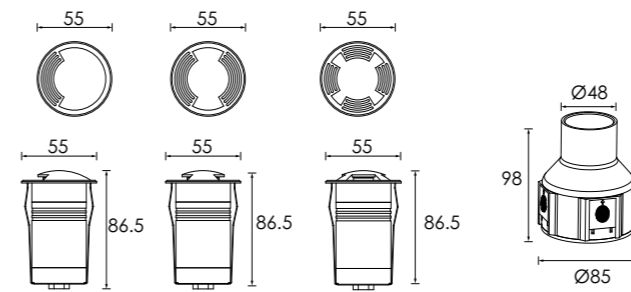
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



• 1E2WC0157 A • 2E2WC0157 A • 4E2WC0157 A

Mounting Sleeve 011#

### MATERIAL SPECIFICATIONS

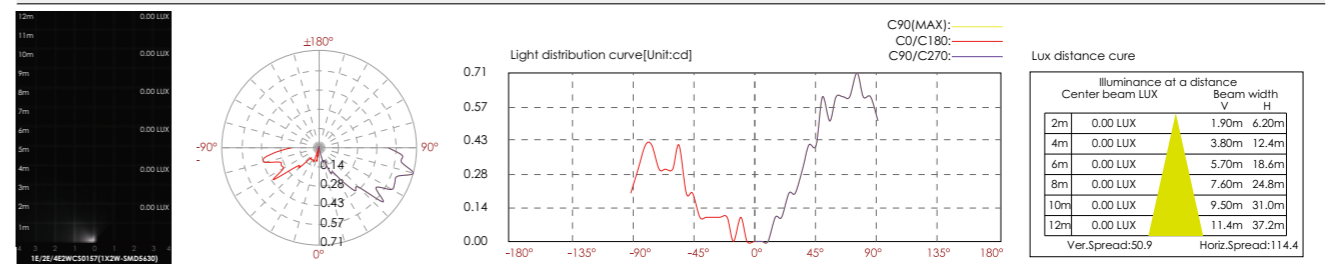
<b>HOUSING</b>	12# Die-casting dark grey powder coated aluminum   T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	Hard chromeplated stainless steel SUS 316#
<b>LOADING CAPACITY</b>	>2000kg
<b>GASKET</b>	Molding shaped silicone seal
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m(low voltage)   H05RN-F 3X1.0mm2 L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	011# ABS
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali



### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
1E2WC0157 A	1×2W	24V DC 120/240	24V = 110	24V = 2.6	Cool White = 1.5	10
			120V = 48	120V = 3.1	Warm White = 1.3	
			240V = 28	240V = 3		
2E2WC0157 A	1×2W	24V DC 120/240	24V = 110	24V = 2.6	Cool White = 2.0	10
			120V = 48	120V = 3.1	Warm White = 1.7	
			240V = 28	240V = 3		
4E2WC0157 A	1×2W	24V DC 120/240	24V = 110	24V = 2.6	Cool White = 2.0	10
			120V = 48	120V = 3.1	Warm White = 1.7	
			240V = 28	240V = 3		

### PHOTOMETRIC CURVES



# Strong Load Bearing Capacity

LED Drive-Over Light/Stainless Steel Front Cover



### LED COLOUR TEMPERATURE

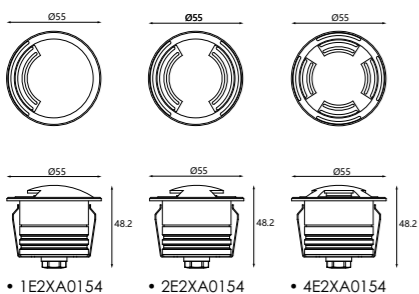
2000K · 3000K · 6000K

### OPTICS

N/A

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chrome plated stainless steel SUS 316#
- LOADING CAPACITY** | >2000kg
- GASKET** | Molding shaped silicone seal
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m
- MOUNTING SLEEVE** | 062# ABS plastic
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

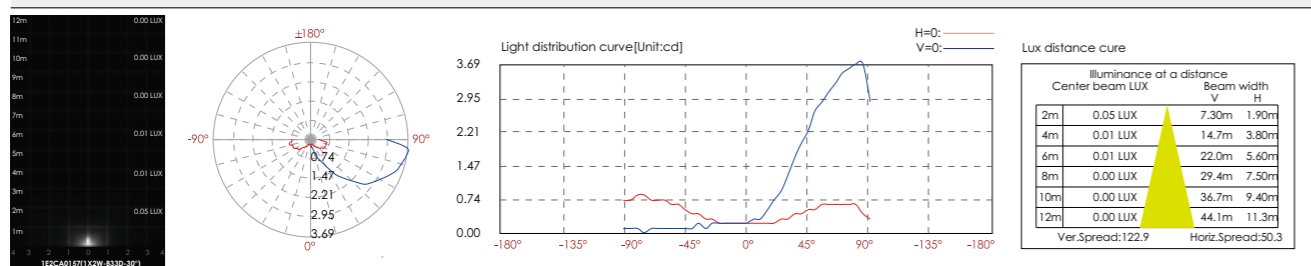


Mounting Sleeve 062#

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
1E2XA0154	1×2W	24V DC	24V = 110	24V = 2.6	Cool White = 1.5 Warm White = 1.3	10
2E2XA0154	1×2W	24V DC	24V = 110	24V = 2.6	Cool White = 2 Warm White = 1.7	10
4E2XA0154	1×2W	24V DC	24V = 110	24V = 2.6	Cool White = 2 Warm White = 1.7	10

### PHOTOMETRIC CURVES

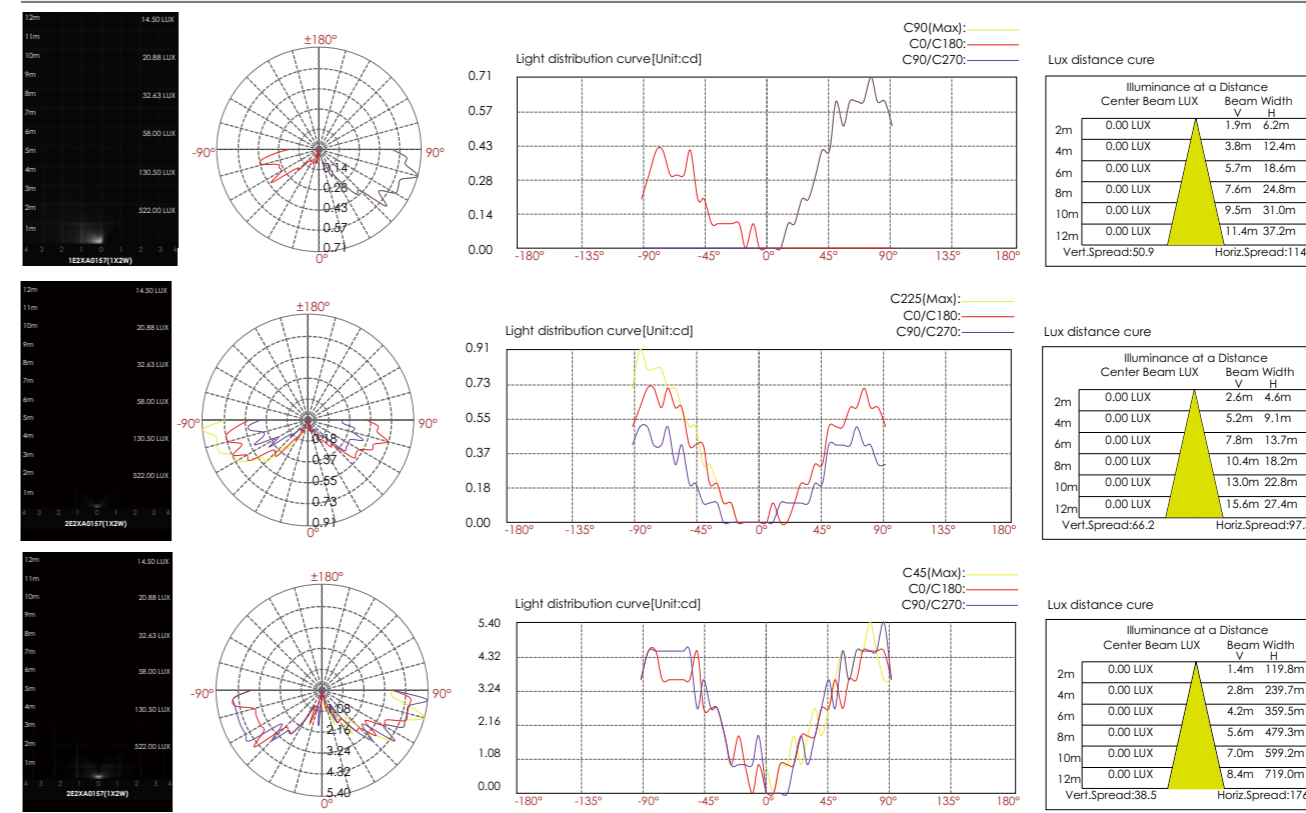


### INSTALLATION DIAGRAM



Minimum space for external driver is 48mm

### PHOTOMETRIC CURVES



# Strong Load Bearing Capacity

LED Drive-Over Light/Stainless Steel Front Cover



### LED COLOUR TEMPERATURE

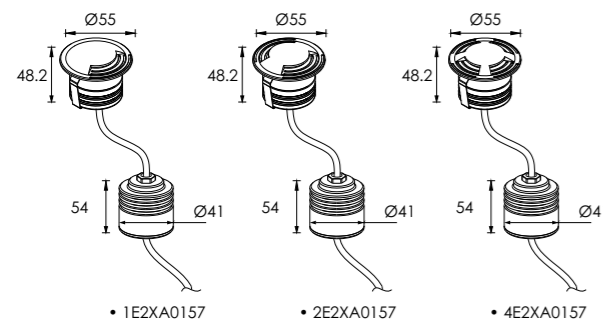
2000K · 3000K · 6000K

### OPTICS

N/A

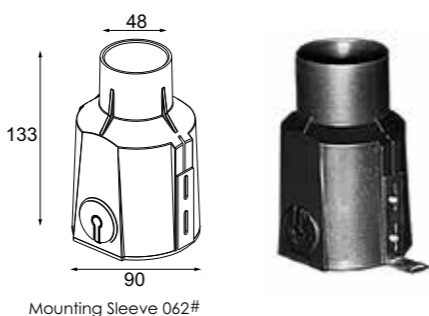
### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chromeplated stainless steel SUS 316#
- LOADING CAPACITY** | >2000kg
- GASKET** | Molding shaped silicone seal
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m
- MOUNTING SLEEVE** | 062# ABS plastic

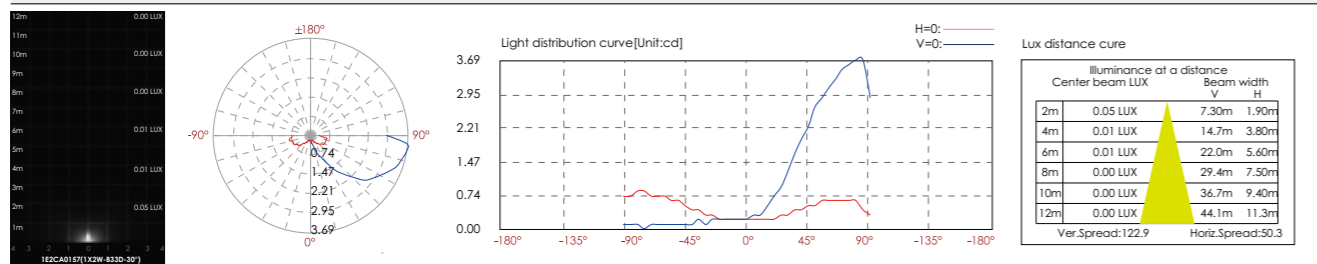


Mounting Sleeve 062#

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
1E2XA0157	1×2W	24V DC 120/240	24V = 108	24V = 2.5	Cool White = 1.5 Warm White = 1.3	10
			120V = 47	120V = 3		
			240V = 28	240V = 3		
2E2XA0157	1×2W	24V DC 120/240	24V = 108	24V = 2.5	Cool White = 2 Warm White = 1.7	10
			120V = 47	120V = 3		
			240V = 28	240V = 3		
4E2XA0157	1×2W	24V DC 120/240	24V = 108	24V = 2.5	Cool White = 2 Warm White = 1.7	10
			120V = 47	120V = 3		
			240V = 28	240V = 3		

### PHOTOMETRIC CURVES

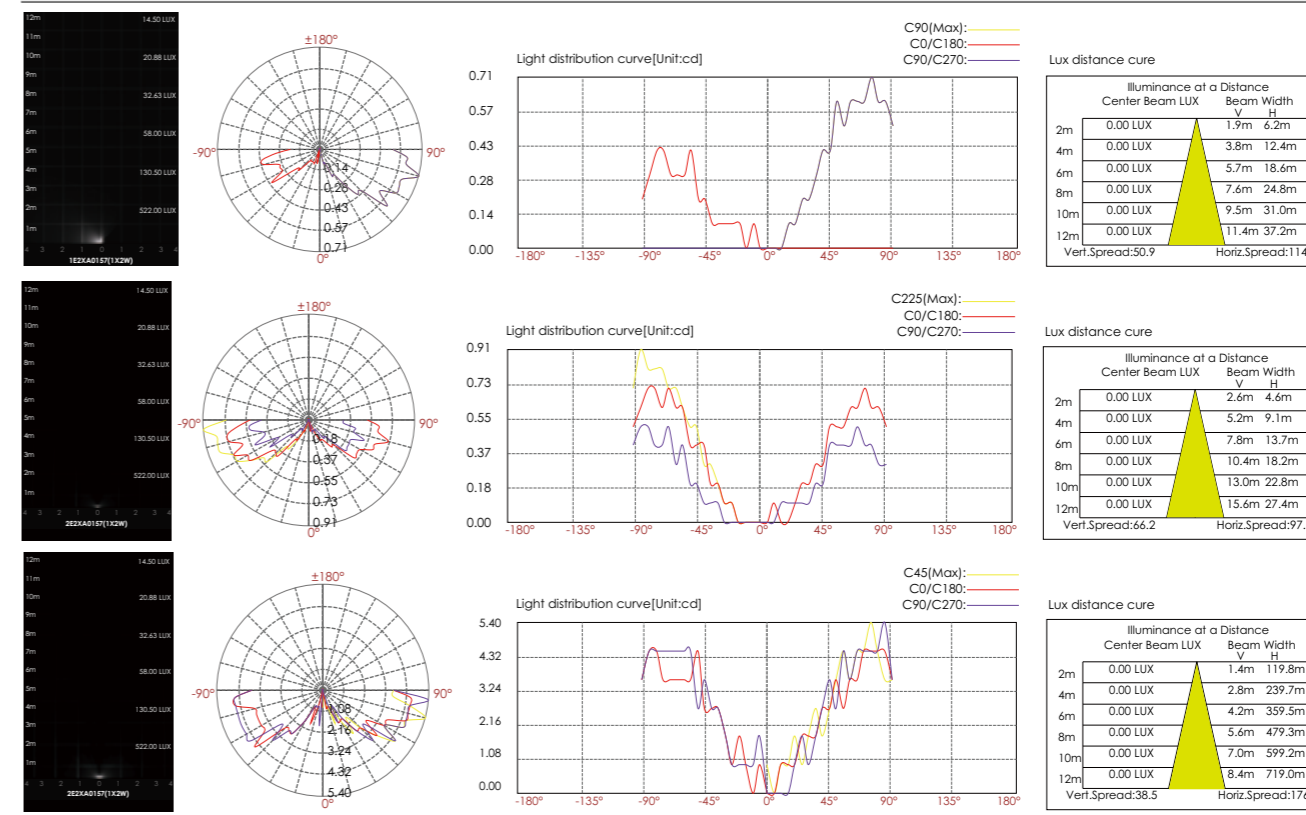


### INSTALLATION DIAGRAM

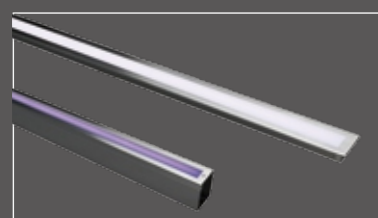


Minimum space for external driver is 48mm  
IP67 120V/240V/24V external input driver

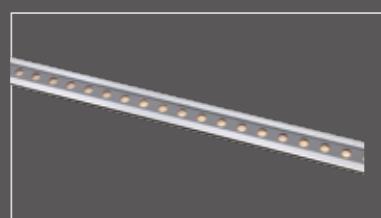
### PHOTOMETRIC CURVES



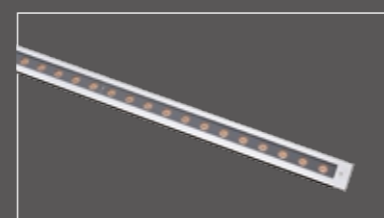
# INGROUND LIGHT WALL WASHER LINEAR TYPE



132



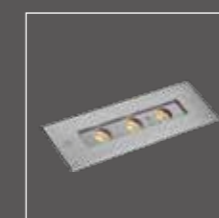
134



136



138



139

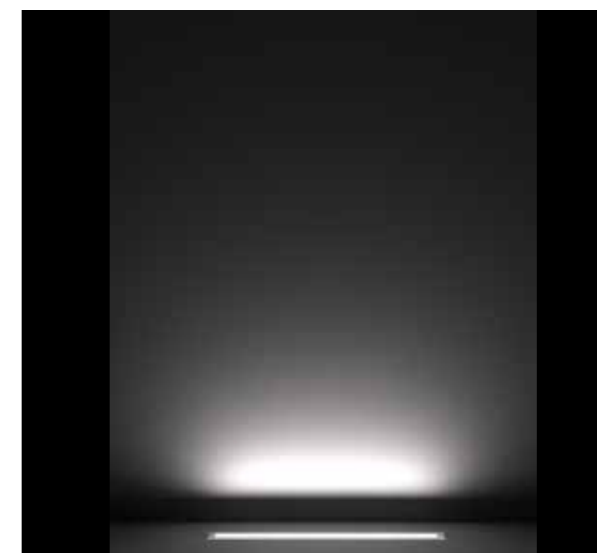
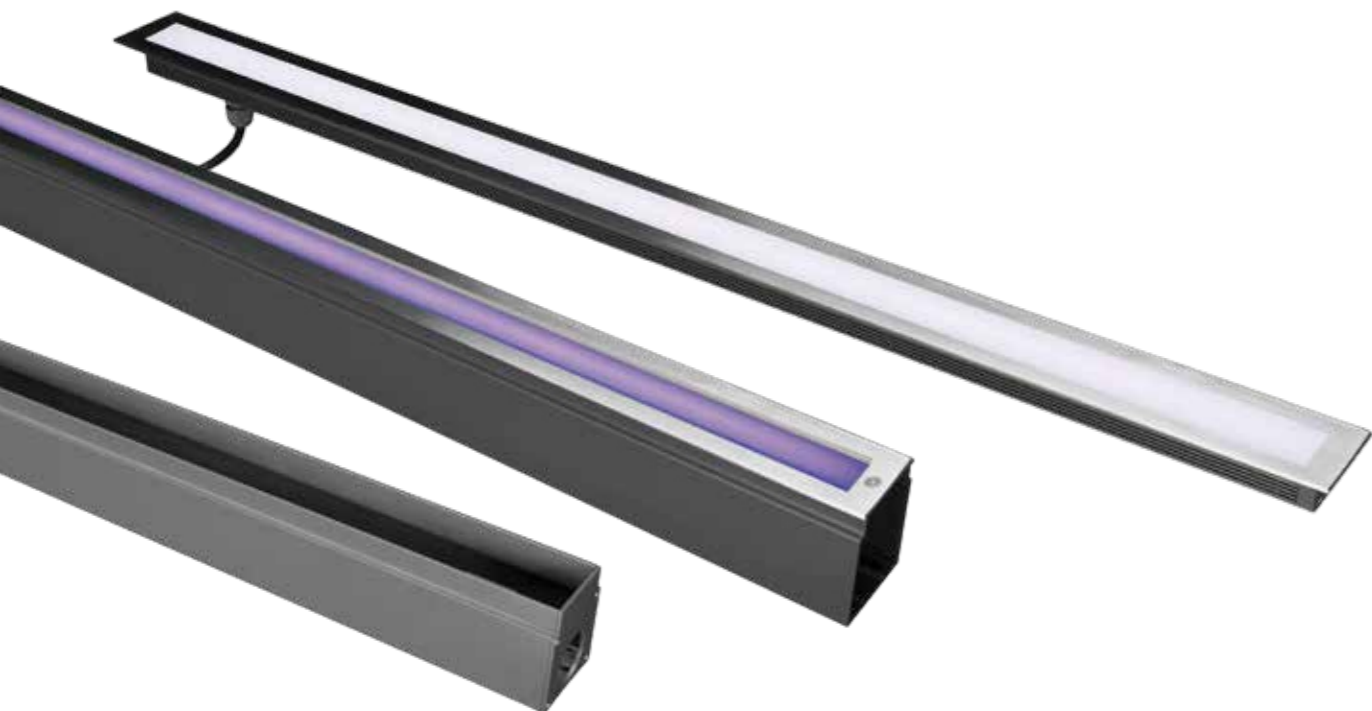


140



141

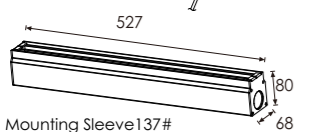
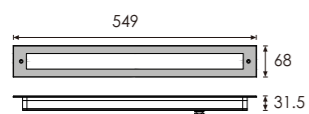
# Soft Beam



Lighting Effect demo

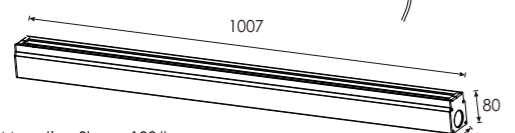
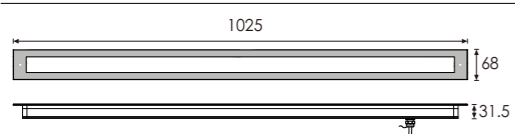
## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



Mounting Sleeve137#

D2RLB4834



Mounting Sleeve138#

D2RLB9634

## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OPTICS

N/A

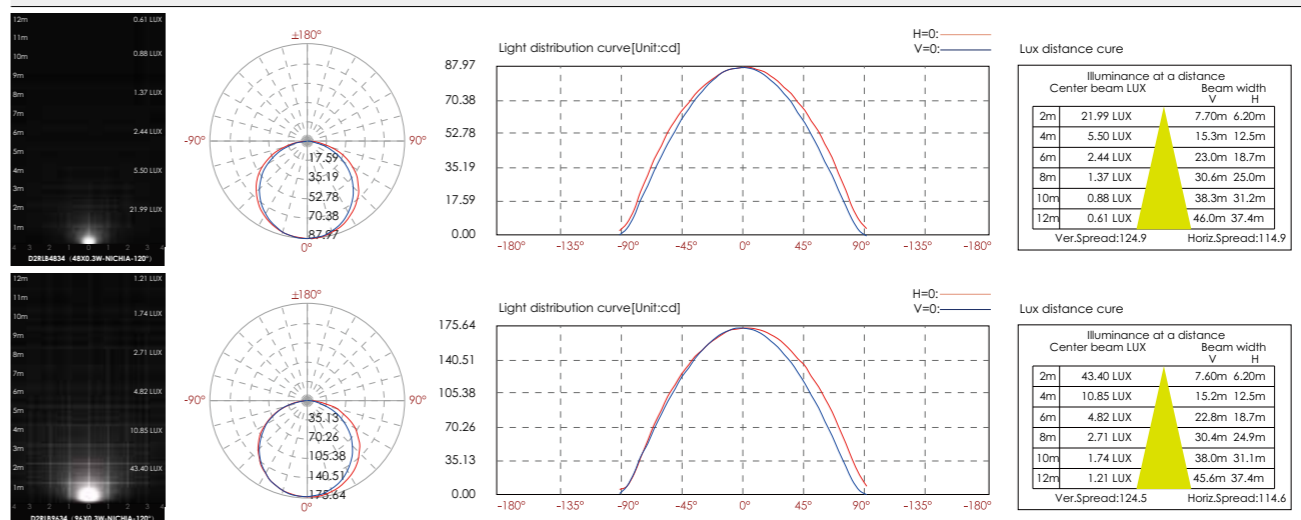
## MATERIAL SPECIFICATIONS

- HOUSING** | Extruded aluminum, powder coated
- FRONT COVER** | Hard chrome-plated stainless steel SUS 316L
- LIGHT WINDOW** | Tempered frosted step glass.T=6mm
- LED** | NICHIA LED 3030@0.5W
- CABLE GLAND** | IP68 PG-9 PA66
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.5m(low voltage)  
H05RN-F 3X1.0mm2 L=0.5m(high voltage)
- MOUNTING SLEEVE** | Powder Coated Aluminum 137# 138#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENGTH(MM)	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>D2RLB4834</b>	48X0.3W NICHIA	549	120°	24V DC 120/240	24V = 555	24V = 13.2	Cool White = 300 Warm White = 274	07
					120V = 106	120V = 12.5		
					240V = 60	240V = 13		
<b>D2RLB9634</b>	96X0.3W NICHIA	1025	120°	24V DC 120/240	24V = 1108	24V = 26.5	Cool White = 602 Warm White = 545	07
					120V = 212	120V = 24		
					240V = 107	240V = 24.5		

## PHOTOMETRIC CURVES





# Symmetrical



### LED COLOUR TEMPERATURE

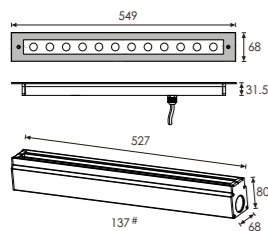
2000K · 3000K · 6000K

### OPTICS

N/A

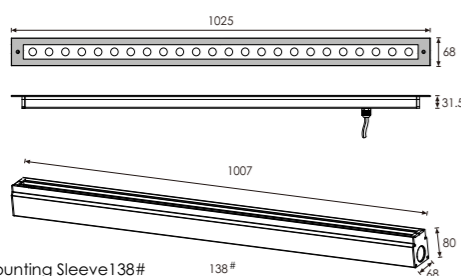
### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



Mounting Sleeve 137#

B2RLB1257



Mounting Sleeve 138#

B2RLB2457

### MATERIAL SPECIFICATIONS

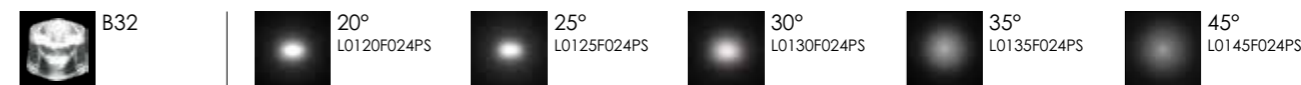
- HOUSING** | Extruded aluminum, powder coated
- FRONT COVER** | Hard chrome-plated stainless steel SUS 316L
- LIGHT WINDOW** | Tempered frosted step glass, T=6mm
- LENS** | Optical lens, efficiency ≥ 85%
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Glass and housing are silicone sealed
- LED** | Single color OSRAM LED
- OPERATING TEMPERATURE** | -20°C ~ 40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m (high voltage)
- MOUNTING SLEEVE** | Powder Coated Aluminum 137# 138#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali



Lighting Effect demo



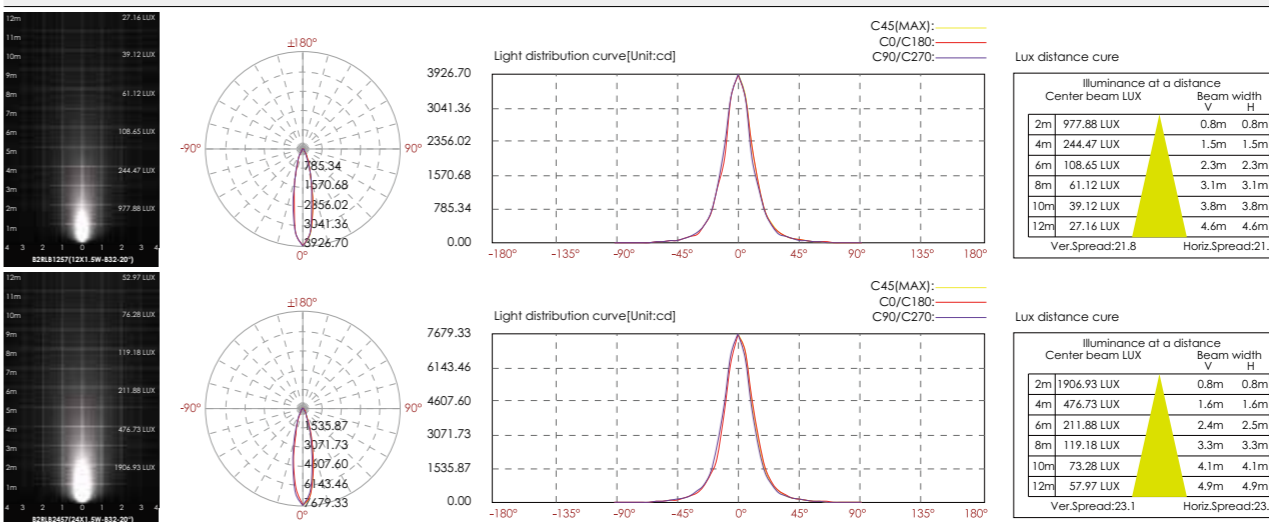
### OPTICS



### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENGTH(MM)	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B2RLB1257	12×1.5W Single color	B32	549	20°	24V DC 120/240	24V = 910	24V = 22	Cool White = 1108 Warm White = 1020	07
						120V = 143	120V = 17		
						240V = 79	240V = 17.5		
B2RLB2457	24×1.5W Single color	B32	1025	20°	24V DC 120/240	24V = 1826	24V = 44	Cool White = 2957 Warm White = 2055	07
						120V = 312	120V = 36		
						240V = 156	240V = 36.4		

### PHOTOMETRIC CURVES



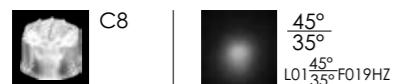
# Asymmetrical



### LED COLOUR TEMPERATURE

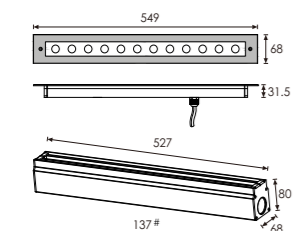
2000K · 3000K · 6000K

### OPTICS



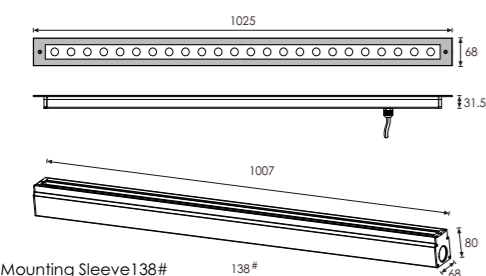
### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



Mounting Sleeve 137#

C2RLB1257



Mounting Sleeve 138#

138#

C2RLB2457

### MATERIAL SPECIFICATIONS

- HOUSING** | Extruded aluminum, powder coated
- FRONT COVER** | Hard chrome plated stainless steel SUS 316L
- LIGHT WINDOW** | Tempered frosted step glass, T=6mm
- LENS** | Optical lens, efficiency ≥ 85%
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Glass and housing are silicone sealed
- LED** | OSRAM LED
- OPERATING TEMPERATURE** | -20°C ~ 40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m (high voltage)
- MOUNTING SLEEVE** | Powder Coated Aluminum 137# 138#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali



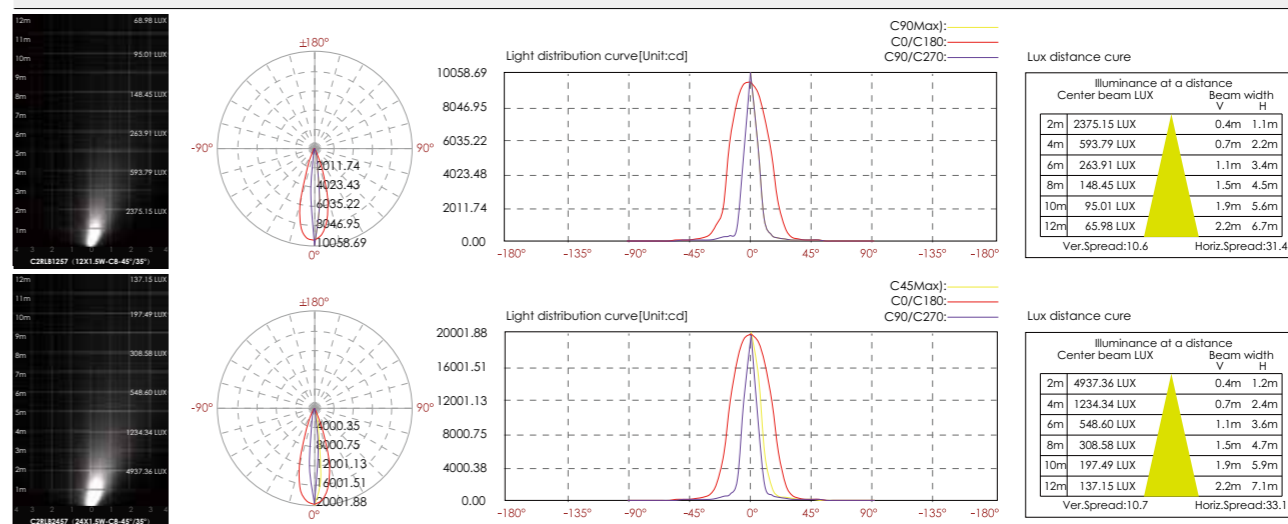
Lighting Effect demo



### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENGTH(MM)	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>C2RLB1257</b>	12×1.5W Single color	C8	549	45°	24V DC 120/240	24V = 910	24V = 22	Cool White = 1108 Warm White = 1020	07
				35°		120V = 143	120V = 17		
						240V = 79	240V = 17.5		
<b>C2RLB2457</b>	24×1.5W Single color	C8	1025	45°	24V DC 120/240	24V = 1823	24V = 44	Cool White = 2472 Warm White = 2114	07
				35°		120V = 312	120V = 36		
						240V = 146	240V = 33.6		

### PHOTOMETRIC CURVES



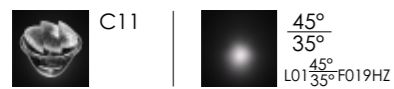
# Asymmetrical



## LED COLOUR TEMPERATURE

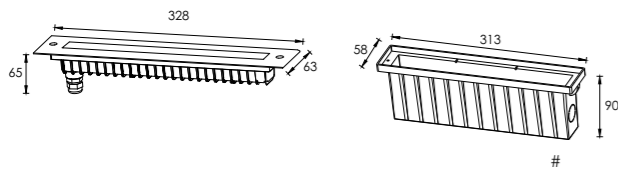
2000K · 3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

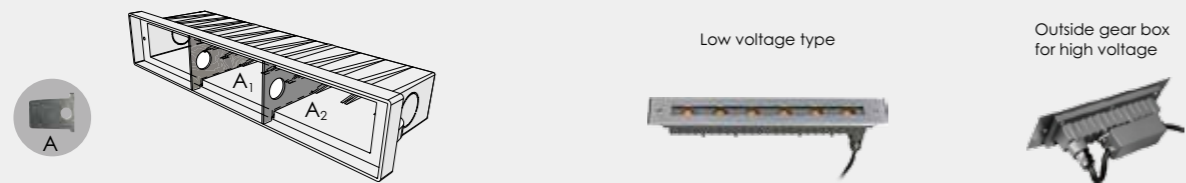
Unit:mm



## MATERIAL SPECIFICATIONS

- HOUSING** | 12° Die-casting dark grey powder coated aluminum.T=60-80µm
- FRONT COVER** | Hard chromeplated stainless steel SUS 316L\*
- LIGHT WINDOW** | Tempered frosted step glass.T=8mm
- CABLE GLAND** | IP68 PG-9 PA66
- GLASS PRESSURE CAPACITY** | Full area=3251kgs
- GASKET** | Molding shaped silicone seal
- PCB** | Excellent heat conductivity aluminum, coefficient of heat Conductivity≥2.0w/mk
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m(low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m(high voltage)
- MOUNTING SLEEVE** | ABS 077\*
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## MOUNTING SLEEVE CHARACTERISTIC

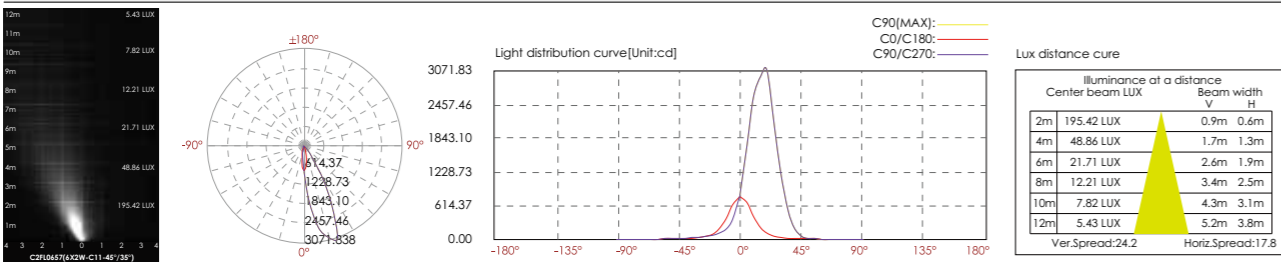


•The above picture – the supporting plate "A1" and "A2" are used for preventing deformation of the sleeve during the construction installation process.  
•Please remove the supporting plate "A1" and "A2" from the mounting sleeve before the lamp installation.

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	WEIGHT (KG)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>C2FL0657</b>	6×2W	C11	45° 35°	1.6	24V DC 120V/240	24V = 550 120V = 100 240V = 57	24V = 13.2 120V = 11.8 240V = 12.1	Cool White = 875 Warm White = 570	08

## PHOTOMETRIC CURVES



# Asymmetrical



## LED COLOUR TEMPERATURE

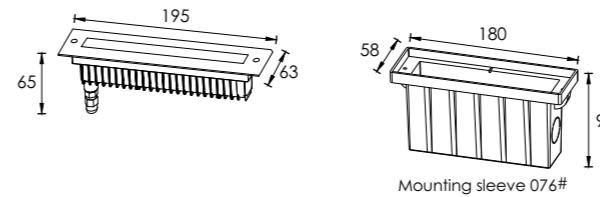
2000K · 3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## MOUNTING SLEEVE CHARACTERISTIC

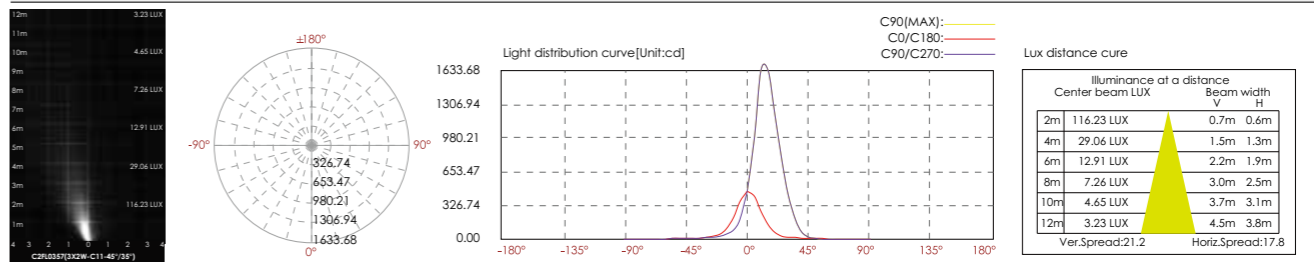


•The above picture – the supporting plate "A1" and "A2" are used for preventing deformation of the sleeve during the construction installation process.  
•Please remove the supporting plate "A1" and "A2" from the mounting sleeve before the lamp installation.

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	WEIGHT (KG)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>C2FL0357</b>	3×2W	C11	45° 35°	0.9	24V DC 120V/240	24V = 240 120V = 89 240V = 46	24V = 5.7 120V = 6 240V = 5.7	Cool White = 340 Warm White = 285	08

## PHOTOMETRIC CURVES



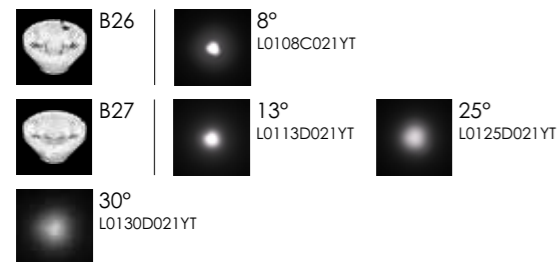
# Symmetrical



## LED COLOUR TEMPERATURE

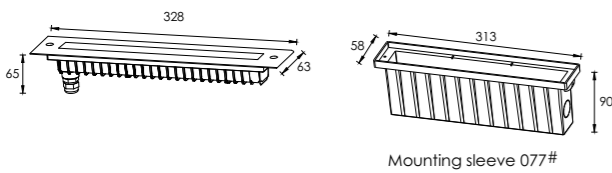
2000K · 3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting dark grey powder coated aluminum.T=60-80µm
<b>FRONT COVER</b>	Hard chrome-plated stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	Tempered frosted step glass.T=8mm
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>GLASS PRESSURE CAPACITY</b>	Full area=3251 kgs
<b>GASKET</b>	Molding shaped silicone seal
<b>PCB</b>	Excellent heat conductivity aluminum, coefficient of heat Conductivity≥2.0w/mk
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>LED</b>	OSRAM or NICHIA
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m(low voltage) H05RN-F 3X1.0mm2 L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	ABS 077#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## MOUNTING SLEEVE CHARACTERISTIC

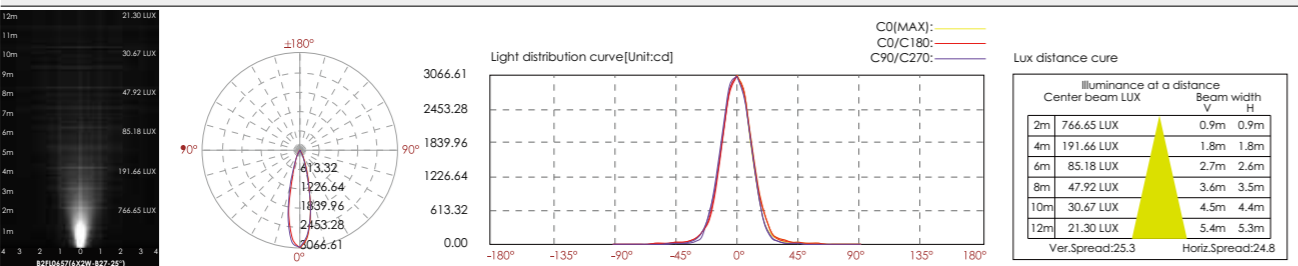


- The above picture – the supporting plate "A1" and "A2" are used for preventing deformation of the sleeve during the construction installation process.
- Please remove the supporting plate "A1" and "A2" from the mounting sleeve before the lamp installation.

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)θ1/2	WEIGHT (KG)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B2FL0657	6×2W	B27	25°	1.6	24V DC 120/240	24V = 550 120V = 100 240V = 57	24V = 13.2 120V = 11.8 240V = 12.1	Cool White = 1100 Warm White = 733	08

## PHOTOMETRIC CURVES



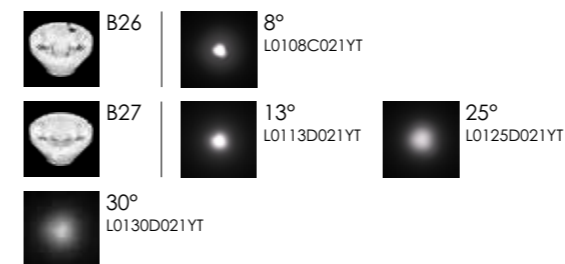
# Symmetrical



## LED COLOUR TEMPERATURE

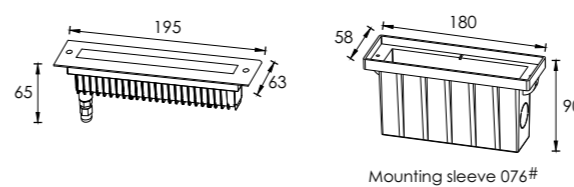
2000K · 3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

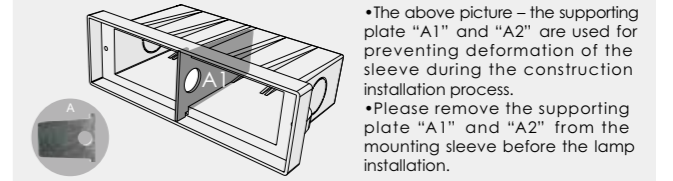
Unit:mm



## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting dark grey powder coated aluminum.T=60-80µm
<b>FRONT COVER</b>	Hard chrome-plated stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	Tempered frosted step glass.T=8mm
<b>CABLE GLAND</b>	IP68 PG-9 PA66
<b>GLASS PRESSURE CAPACITY</b>	Full area=3251 kgs
<b>GASKET</b>	Molding shaped silicone seal
<b>PCB</b>	Excellent heat conductivity aluminum, coefficient of heat Conductivity≥2.0w/mk
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>LED</b>	OSRAM or NICHIA
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.5m(low voltage) H05RN-F 3X1.0mm2 L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	ABS 076#
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## MOUNTING SLEEVE CHARACTERISTIC

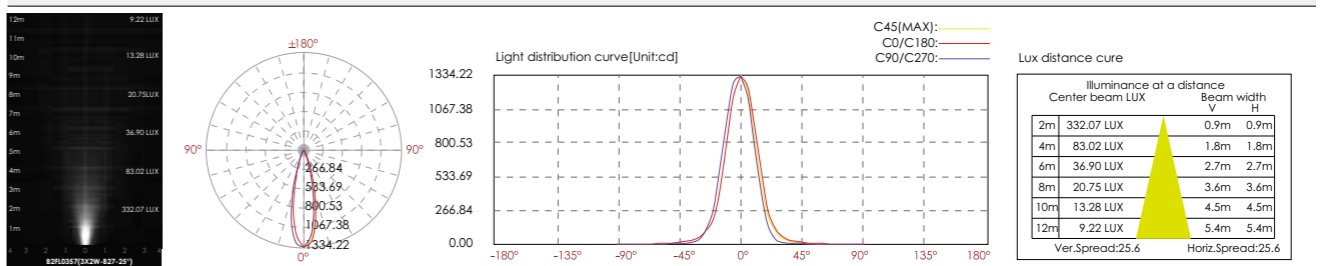


- The above picture – the supporting plate "A1" and "A2" are used for preventing deformation of the sleeve during the construction installation process.
- Please remove the supporting plate "A1" and "A2" from the mounting sleeve before the lamp installation.

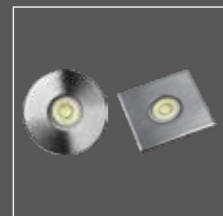
## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)θ1/2	WEIGHT (KG)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B2FL0357	3×2W	B27	25°	0.9	24V DC 120/240	24V = 240 120V = 89 240V = 46	24V = 5.7 120V = 6 240V = 5.7	Cool White = 508 Warm White = 333	08

## PHOTOMETRIC CURVES



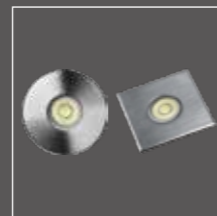
INGROUND LIGHT  
RECESSED WOODEN FLOOR LIGHT



144



145



146



147



148



149



150



152

# Trimless Symmetrical COB Inground Spot Light



RB2CCR0125



RB2CCS0125

### LED COLOUR TEMPERATURE

3000K · 6000K

### OPTICS

- R7
- R0118C035XL 18°
- R0124C035XL 24°
- R0132C035XL 32°

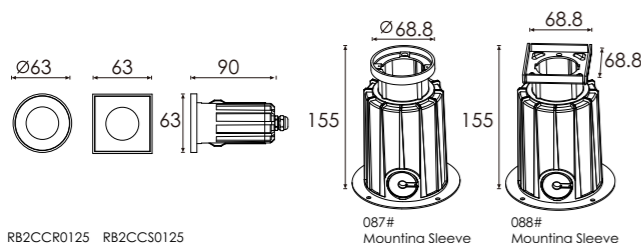
### R7



18°      24°      32°

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



RB2CCR0125 RB2CCS0125

### MATERIAL SPECIFICATIONS

- Housing** | 12# Die-casting grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- Light window** | Tempered glass. T=4mm
- Glass pressure capacity** | Full area=2463kgs
- Reflector** | Optical Reflector efficiency≥90%
- Gasket** | Molding shaped silicone seal
- LED Driver** | Constant Voltage Input, Constant Current Output
- Operating temperature** | -20°C ~40°C
- Power cable** | 24V: Input: H05RN-F 2×1.0mm² L=0.5M (low voltage) 100/240V: H05RN-F 3×1.0mm² L=0.5M (high voltage)
- Mounting sleeve** | ABS 087#, 088#

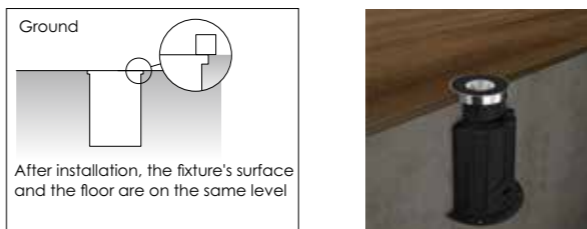
### Stainless Steel Sleeve Frame



087#

088#

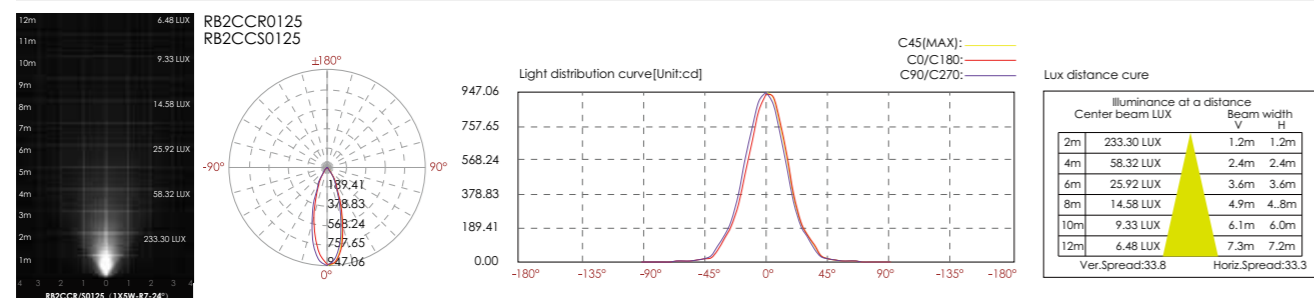
### Figure A



### TECHNICAL DATA

Item	Light source	Reflector	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
<b>RB2CCR0125</b>	1X5W COB	R7	24°	24V DC 120/240	2.4V = 265 120V = 52 240V = 32	2.4V = 6.3 120V = 6.5 240V = 6.7	Cool white = 553 Warm white = 490	06
<b>RB2CCS0125</b>	1X5W COB	R7	24°	24V DC 120/240	2.4V = 265 120V = 52 240V = 32	2.4V = 6.3 120V = 6.5 240V = 6.7	Cool white = 553 Warm white = 490	06

### PHOTOMETRIC CURVES



# Trimless Symmetrical COB High Luminance Inground Light



RB2CNS0126



RB2CNR0126

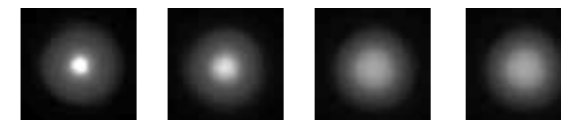
### LED COLOUR TEMPERATURE

3000K · 6000K

### OPTICS

- R8
- R0115C050XL 15°
- R0124C050XL 24°
- R0138C050XL 38°
- R0160C050XL 60°

### R8



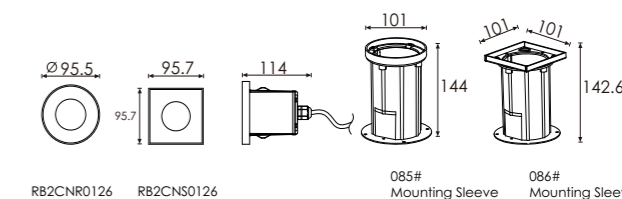
15°      24°      38°      60°

### MATERIAL SPECIFICATIONS

- Housing** | 12# Die-casting grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- Light window** | Tempered glass. T=4mm
- Glass pressure capacity** | Full area=2463kgs
- Reflector** | Optical Reflector efficiency≥90%
- Gasket** | Molding shaped silicone seal
- LED Driver** | Constant Voltage Input, Constant Current Output
- Operating temperature** | -20°C ~40°C
- Power cable** | 24V: Input: H05RN-F 2×1.0mm² L=0.5M (low voltage) 100/240V: H05RN-F 3×1.0mm² L=0.5M (high voltage)
- Mounting sleeve** | ABS 085#, 086#

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



RB2CNR0126 RB2CNS0126

085# Mounting Sleeve

086# Mounting Sleeve

### Figure A



### Stainless Steel Sleeve Frame



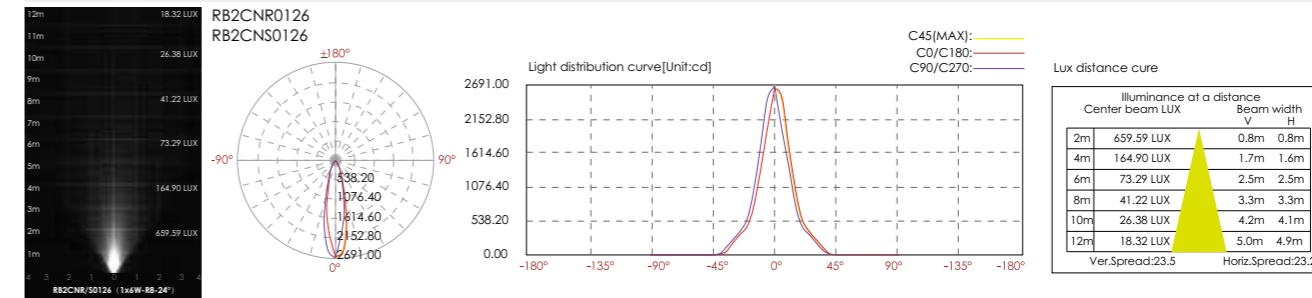
085#

086#

### TECHNICAL DATA

Item	Light source	Lens or Reflector	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
<b>RB2CNR0126</b>	1X6W COB	R8	24°	24V DC 120/240	2.4V = 320 120V = 72 240V = 40	2.4V = 7.5 120V = 7.4 240V = 8.5	Cool white = 909 Warm white = 744	08
<b>RB2CNS0126</b>	1X6W COB	R8	24°	24V DC 120/240	2.4V = 320 120V = 72 240V = 40	2.4V = 7.5 120V = 7.4 240V = 8.5	Cool white = 909 Warm white = 744	08

### PHOTOMETRIC CURVES



# Symmetrical

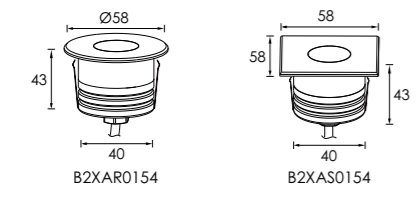


## LED COLOUR TEMPERATURE

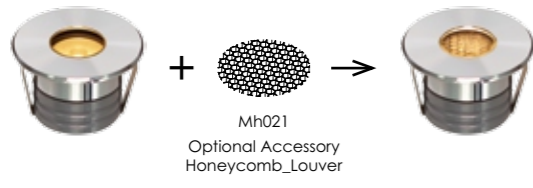
3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## OPTIONAL HONEYCOMB LOUVER

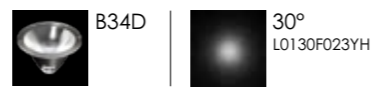


## INSTALLATION DIAGRAM



Minimum space for external driver is 48mm

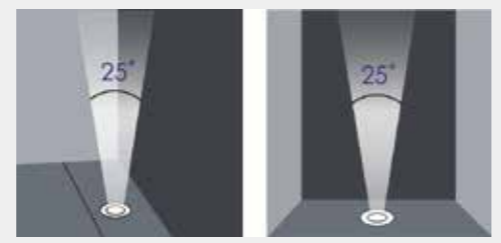
## OPTICS



## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
- FRONT RING** | Hard chromeplated stainless steel SUS 316#
- LIGHT WINDOW** | Tempered frosted step glass.T=7mm
- LED** | NICHIA
- GLASS PRESSURE CAPACITY** | Full area=1106kgs
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.5m
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

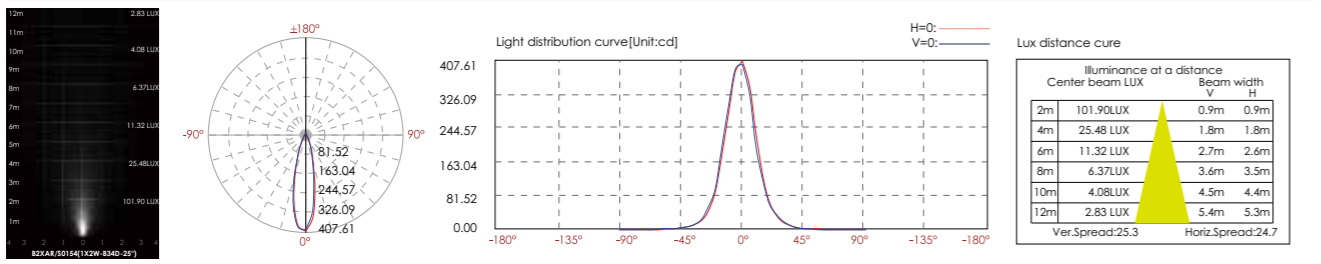
## IMPRESSION DRAWING OF LENS B34D



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B2XAR0154	1×2W Single color	B34D	25°	24V DC	100	2.4	Cool White = 130 Warm White = 110	08
B2XAS0154	1×2W Single color	B34D	25°	24V DC	100	2.4	Cool White = 130 Warm White = 110	08

## PHOTOMETRIC CURVES



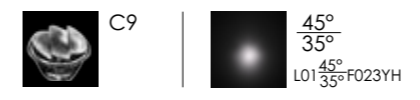
# Asymmetrical



## LED COLOUR TEMPERATURE

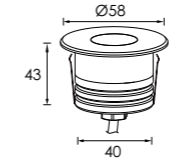
3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## INSTALLATION DIAGRAM

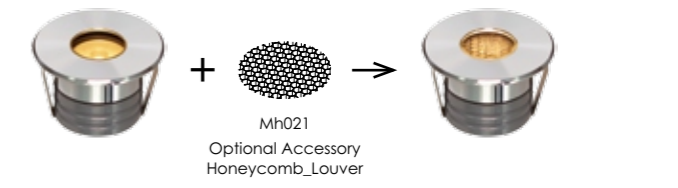


Minimum space for external driver is 48mm

## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
- FRONT RING** | Hard chromeplated stainless steel SUS 316#
- LIGHT WINDOW** | Tempered frosted step glass.T=7mm
- LED** | NICHIA
- GLASS PRESSURE CAPACITY** | Full area=1106kgs
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.5m
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## OPTIONAL HONEYCOMB LOUVER



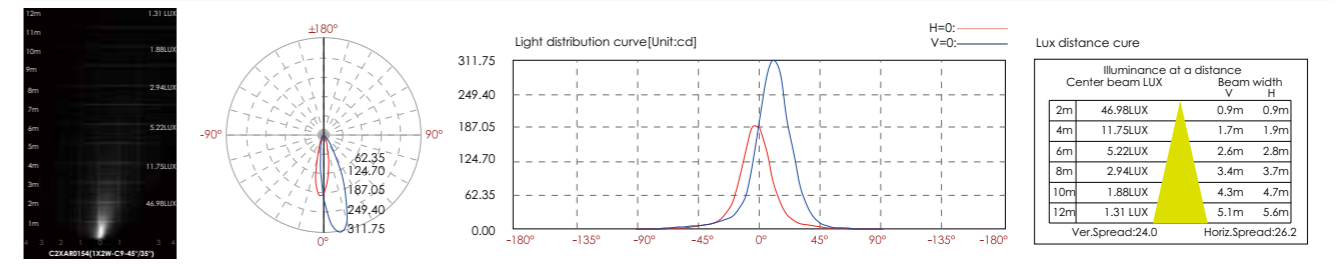
## IMPRESSION DRAWING OF LENS C9



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
C2XAR0154	1×2W Single color	C9	45° 35°	24V DC	100	2.4	Cool White = 100 Warm White = 88	08

## PHOTOMETRIC CURVES



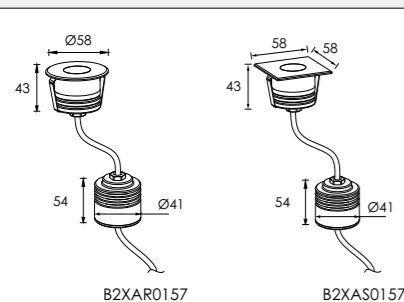
# Symmetrical

## LED COLOUR TEMPERATURE

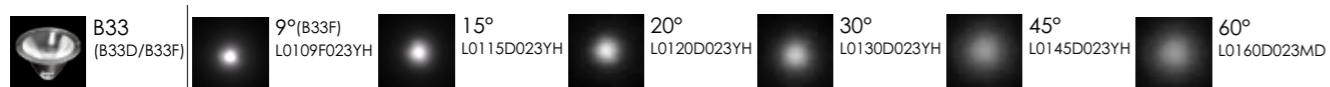
2000K · 3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

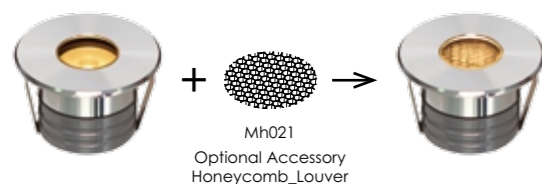
Unit:mm



## OPTICS



## OPTIONAL HONEYCOMB LOUVER



## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- FRONT RING** | Hard chrome plated stainless steel SUS 316#
- LIGHT WINDOW** | Tempered frosted step glass. T=7mm
- LED** | OSRAM
- GLASS PRESSURE CAPACITY** | Full area=1106kgs
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3X1.0mm<sup>2</sup> L=0.5m
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## INSTALLATION DIAGRAM



Minimum space for external driver is 48mm  
IP67 120V/240V/24V&RGB 24V external input driver

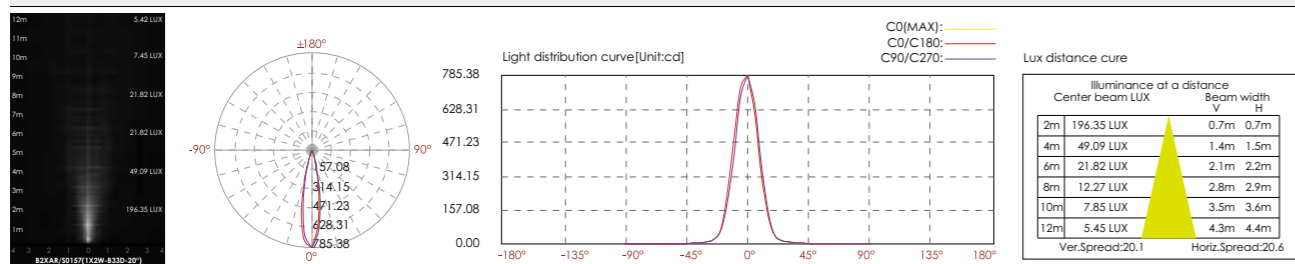
## IMPRESSION DRAWING OF LENS B33D



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B2XAR0157	1×2W Single color	B33D	20°	24V DC	24V = 88	24V = 2.6	Cool White = 130 Warm White = 110	08
				120/240	120V = 46	120V = 3.2		
				240V = 29	240V = 3.1			
B2XAS0157	1×2W Single color	B33D	20°	24V DC	24V = 88	24V = 2.6	Cool White = 130 Warm White = 110	08
				120/240	120V = 46	120V = 3.2		
				240V = 29	240V = 3.1			

## PHOTOMETRIC CURVES



# Asymmetrical

## LED COLOUR TEMPERATURE

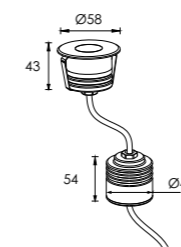
3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## INSTALLATION DIAGRAM

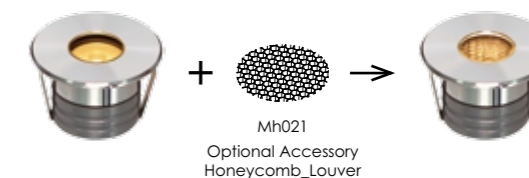


Minimum space for external driver is 48mm  
IP67 120V/240V/24V&RGB 24V external input driver

## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- FRONT RING** | Hard chrome plated stainless steel SUS 316#
- LIGHT WINDOW** | Tempered frosted step glass. T=7mm
- LED** | OSRAM
- GLASS PRESSURE CAPACITY** | Full area=1106kgs
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3X1.0mm<sup>2</sup> L=0.5m
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## OPTIONAL HONEYCOMB LOUVER



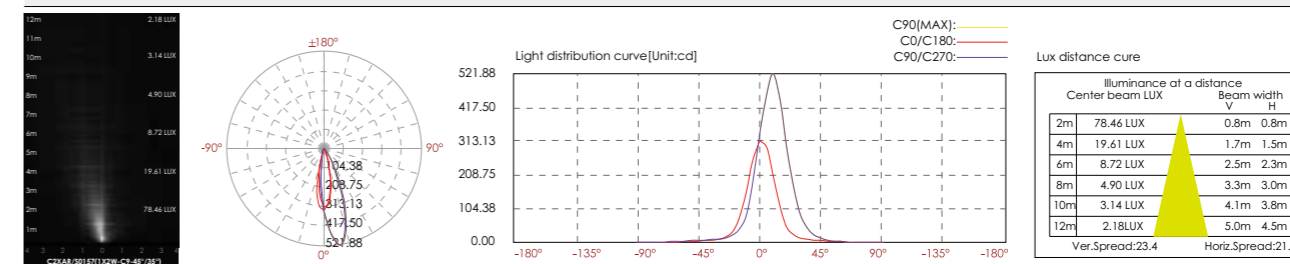
## IMPRESSION DRAWING OF LENS C9



## TECHNICAL DATA

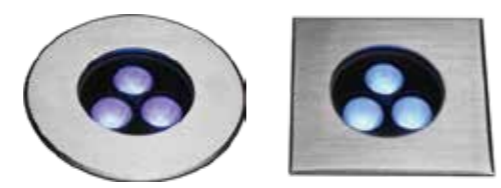
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
C2XAR0157	1×2W Single color	C9	45° 35°	24V DC	24V = 88	24V = 2.6	Cool White = 130 Warm White = 113	08
				120/240	120V = 46	120V = 3.2		
				240V = 29	240V = 3.1			

## PHOTOMETRIC CURVES





# Symmetrical



## LED COLOUR TEMPERATURE

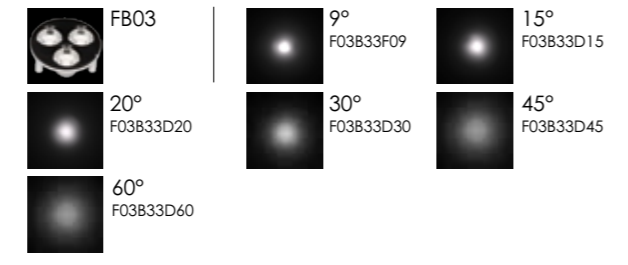
2000K · 3000K · 6000K

## INSTALLATION DIAGRAM



Minimum space for external driver is 48mm  
 B: External IP67 water-proof box for driver of high voltage · RGB · RGBW type

## OPTICS

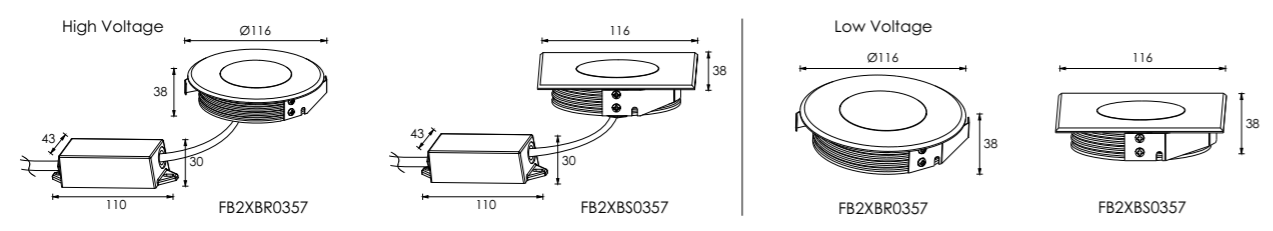


## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting dark grey powder coated aluminum T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
<b>FRONT RING</b>	Hard chromeplated stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	Tempered frosted step glass. T=8mm
<b>LED</b>	OSRAM
<b>GLASS PRESSURE CAPACITY</b>	Full area=3370kgs
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage) H05RN-F 3X1.0mm <sup>2</sup> L=0.5m (high voltage)
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## OUTER DIMENSIONS & ACCESSORIES

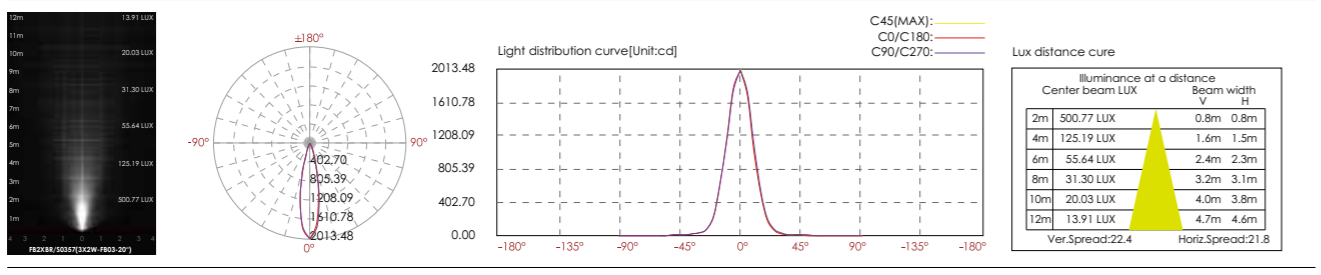
Unit:mm



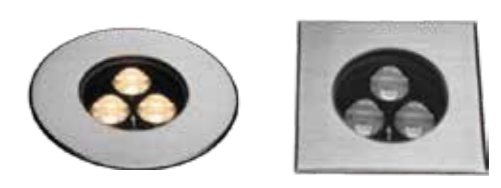
## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
FB2XBR0357	3×2W Single color	FB03	20°	24V DC	24V = 220	24V = 5.3	Cool White = 452	08
				120V/240	120V = 47	120V = 5.6	Warm White = 388	
					240V = 25	240V = 5.7		
FB2XBS0357	3×2W Single color	FB03	20°	24V DC	24V = 220	24V = 5.3	Cool White = 452	08
				120V/240	120V = 47	120V = 5.6	Warm White = 388	
					240V = 25	240V = 5.7		

## PHOTOMETRIC CURVES



# Asymmetrical



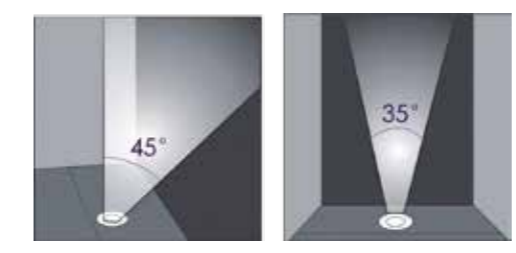
## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OPTICS



## IMPRESSION DRAWING OF LENS FC02



## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting dark grey powder coated aluminum T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
<b>FRONT RING</b>	Hard chromeplated stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	Tempered frosted step glass. T=8mm
<b>LED</b>	OSRAM
<b>GLASS PRESSURE CAPACITY</b>	Full area=3370kgs
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage) H05RN-F 3X1.0mm <sup>2</sup> L=0.5m (high voltage)
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

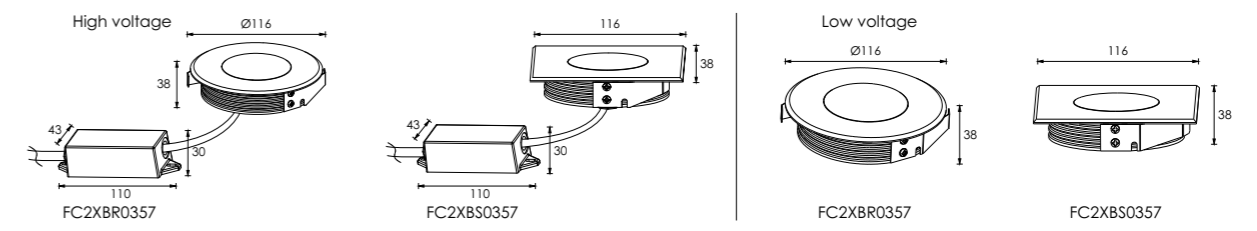
## INSTALLATION DIAGRAM



Minimum space for external driver is 48mm  
 IP67 120V/240V/24V&RGB 24V external input driver

## OUTER DIMENSIONS & ACCESSORIES

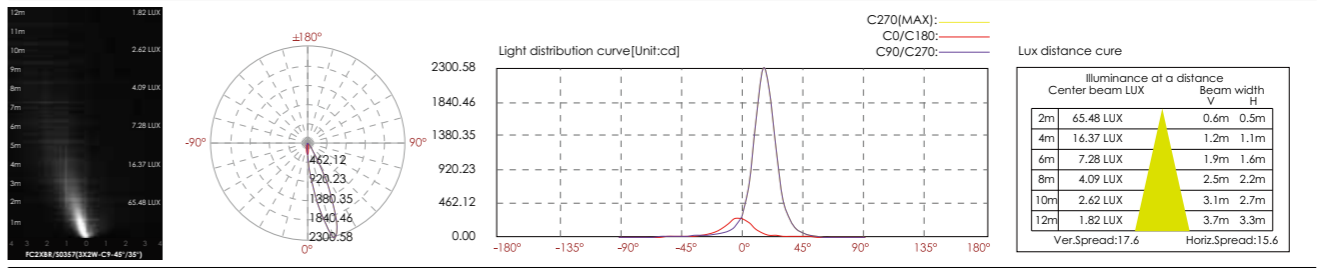
Unit:mm



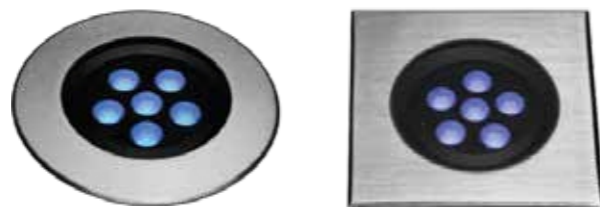
## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
FC2XBR0357	3×2W Single color	FC02	45° 35°	24V DC	24V = 220	24V = 5.3	Cool White = 327	08
				120V/240	120V = 47	120V = 5.6	Warm White = 287	
					240V = 25	240V = 5.7		
FC2XBS0357	3×2W Single color	FC02	45° 35°	24V DC	24V = 220	24V = 5.3	Cool White = 327	08
				120V/240	120V = 47	120V = 5.6	Warm White = 287	
					240V = 25	240V = 5.7		

## PHOTOMETRIC CURVES



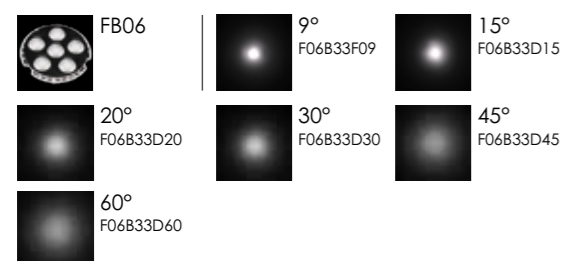
# Symmetrical



## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OPTICS

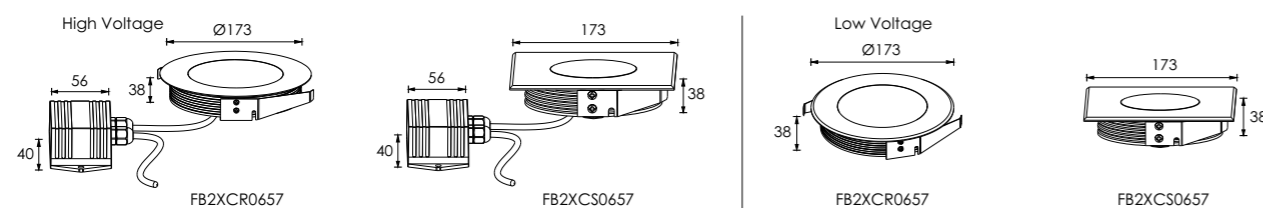


## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting dark grey powder coated aluminum   T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
<b>FRONT RING</b>	Hard chrome plated stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	Tempered frosted step glass, T=8mm
<b>LED</b>	OSRAM
<b>GLASS PRESSURE CAPACITY</b>	Full area=3370kgs
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage)   H05RN-F 3X1.0mm <sup>2</sup> L=0.5m (high voltage)
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## OUTER DIMENSIONS & ACCESSORIES

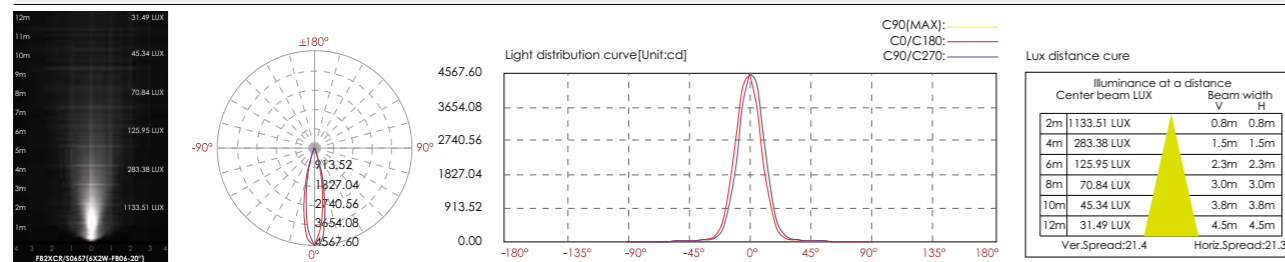
Unit:mm



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
FB2XCR0657	6×2W Single color	FB06	20°	24V DC 120/240	24V = 541	24V = 13	Cool White = 956	08
					120V = 111	120V = 13.5	Warm White = 783	
					240V = 64	240V = 13.7		
FB2XCS0657	6×2W Single color	FB06	20°	24V DC 120/240	24V = 541	24V = 13	Cool White = 956	08
					120V = 111	120V = 13.5	Warm White = 783	
					240V = 64	240V = 13.7		

## PHOTOMETRIC CURVES



## INSTALLATION DIAGRAM

High Voltage

Low Voltage



- A: Minimum space for external driver is 48mm
- B: External IP67 water-proof box for driver of high voltage type

# Asymmetrical



## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OPTICS



## MATERIAL SPECIFICATIONS

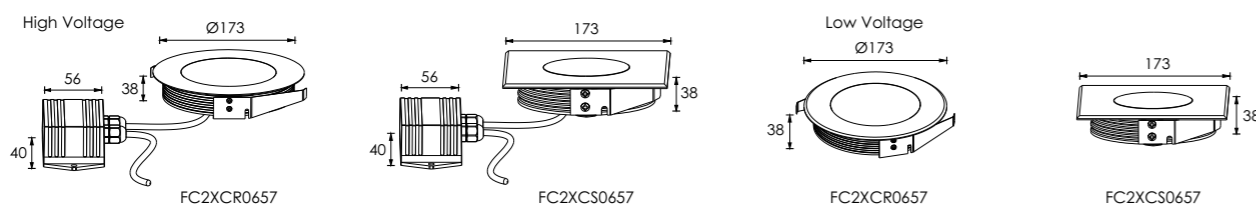
- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
- FRONT RING** | Hard chromeplated stainless steel SUS 316L#
- LIGHT WINDOW** | Tempered frosted step glass.T=8mm
- LED** | OSRAM
- GLASS PRESSURE CAPACITY** | Full area=3370kgs
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m(low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m(high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## IMPRESSION DRAWING OF LENS FC04



## OUTER DIMENSIONS & ACCESSORIES

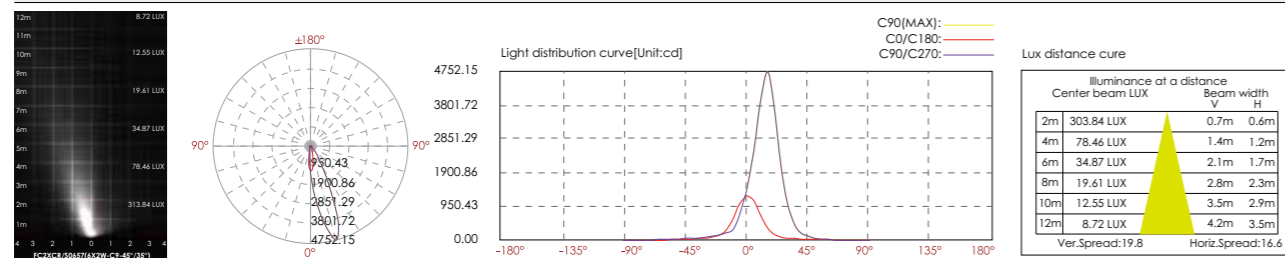
Unit:mm



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
FC2XCR0657	6×2W Single color	FC04	45°	24V DC	24V = 541	24V = 13	Cool White = 753	08
			35°	120/240	120V = 111 240V = 64	120V = 13.5 240V = 13.7	Warm White = 613	
FC2XCS0657	6×2W Single color	FC04	45°	24V DC	24V = 541	24V = 13	Cool White = 757	08
			35°	120/240	120V = 111 240V = 64	120V = 13.5 240V = 13.7	Warm White = 613	

## PHOTOMETRIC CURVES



## INSTALLATION DIAGRAM

### High Voltage



### Low Voltage



- A: Minimum space for external driver is 48mm
- B: External IP67 water-proof box for driver of high voltage type

SPOT LIGHT



156



157



158



159



160



161



162



164



165



166



167



168



169



170



172



174



175



176



177



178



179



180



181

# Architectural and Landscape Spot Light






## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS

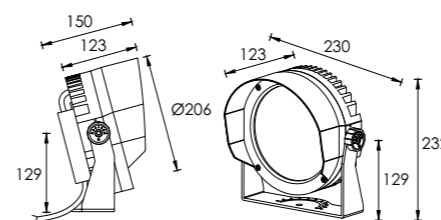
	<b>B58</b>
L0115D044HK	15°
L0124D044HK	24°
L0136D044HK	36°

		
20°	30°	38°



## OUTER DIMENSIONS & ACCESSORIES




Unit:mm



## MATERIAL SPECIFICATIONS

- Housing** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- Light Window** | Tempered glass. T=4mm
- Cable gland** | Copper and nickel coated
- Reflector** | Optical Reflector efficiency≥90%
- LED** | CREE
- Bracket** | Powder coated aluminum. T=2.5mm
- Operating temperature** | -20°C~40°C
- Power Cable** | H05RN-F 3X1.0mm<sup>2</sup> L=2.0m (high voltage)

## Housing Color Option

Basic	Secondary	
		
Dark Sanded Grey RAL 7037	Silver Grey KAP 9022	Sanded Black RAL9005



Heat radiation structure

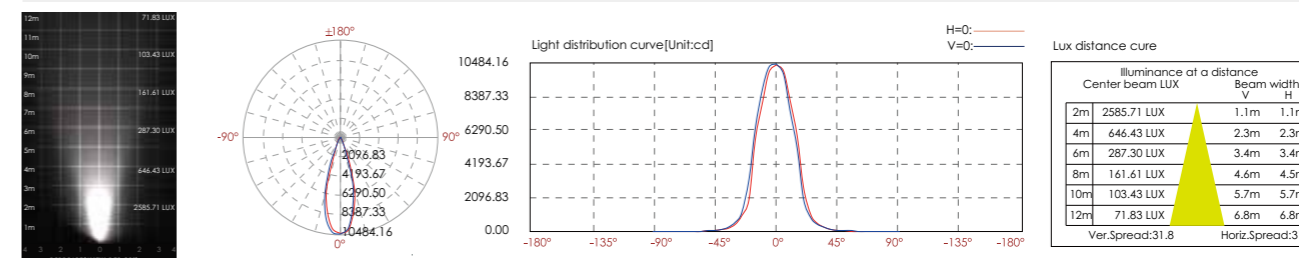


High Precision Gear Vertical Rotation System

## TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
<b>B3BB0625</b>	6×5W	B58	30°	240V	240V = 172	240V = 40	3206	09

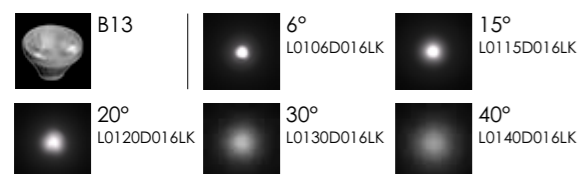
## PHOTOMETRIC CURVES



**LED COLOUR TEMPERATURE**

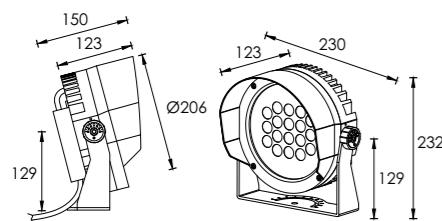
2000K · 3000K · 6000K

**OPTICS**



**OUTER DIMENSIONS & ACCESSORIES**

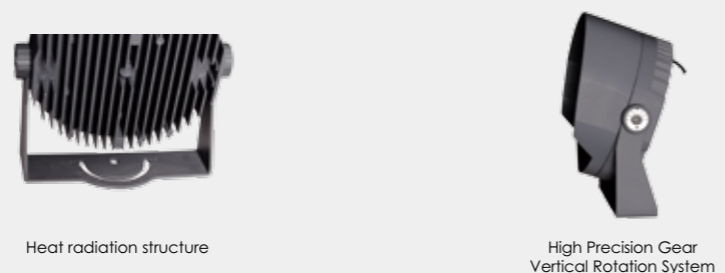
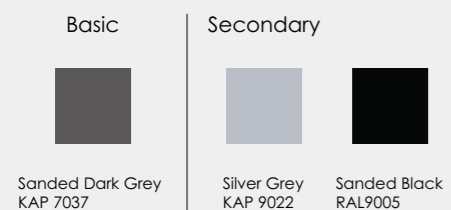
Unit:mm



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | Tempered glass. T=4mm
- CABLE GLAND** | Copper and nickel coated
- LENS** | Optical lens, efficiency ≥ 85%
- LED** | OSRAM
- BRACKET** | Powder coated aluminum. T=2.5mm
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=2.0m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=2.0m (high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

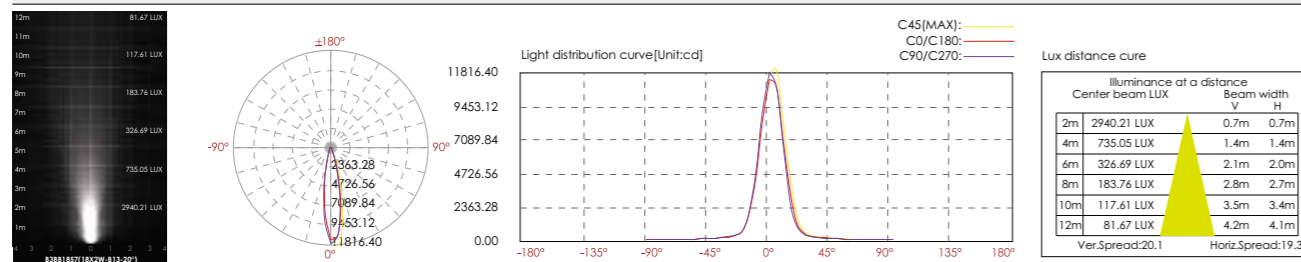
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B3BB1857</b>	18×2W	B13	20°	24V DC 120/240	24V = 1500 120V = 320 240V = 155	24V = 36 120V = 35 240V = 35	Cool White = 2529 Warm White = 1927	09

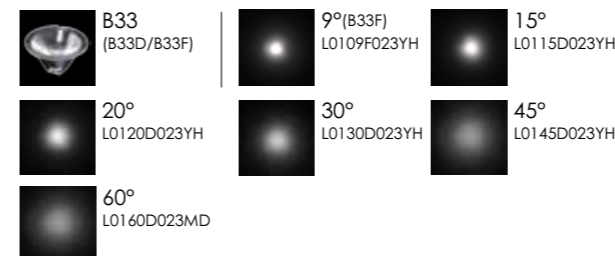
**PHOTOMETRIC CURVES**



**LED COLOUR TEMPERATURE**

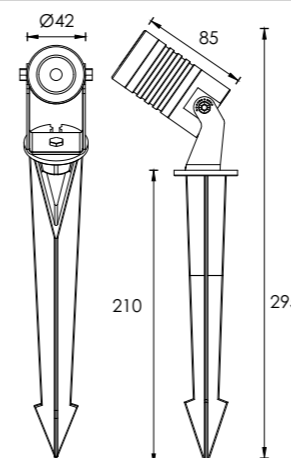
2000K · 3000K · 6000K

**OPTICS**



**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm



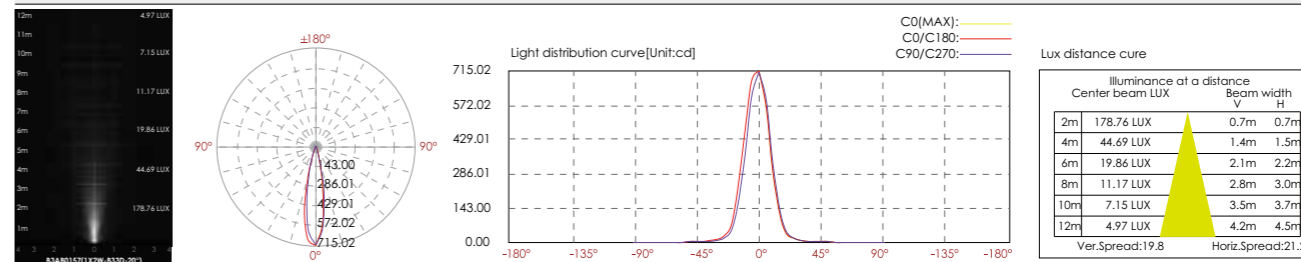
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B3AB0157</b>	1×2W	B33D	20°	24V DC 120/240	24V = 110 120V = 48 240V = 28	24V = 2.6 120V = 3 240V = 3.1	Cool White = 149 Warm White = 120	02

**PHOTOMETRIC CURVES**



**MATERIAL SPECIFICATIONS**

- FRONT COVER&HOUSING** | Aluminum anodized finishing or powder painting
- LENS** | Optical lens, efficiency ≥ 85%
- LIGHT WINDOW** | Tempered glass. T=3mm
- CABLE GLAND** | Nickel coated copper
- GASKET** | Tooling shaped seal
- LED** | OSRAM
- PCB** | Excellent heat conductivity aluminum, coefficient of heat conductivity ≥ 2.0w/mk
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=2.0m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=2.0m (high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

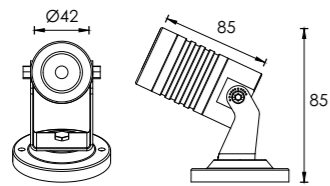




**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



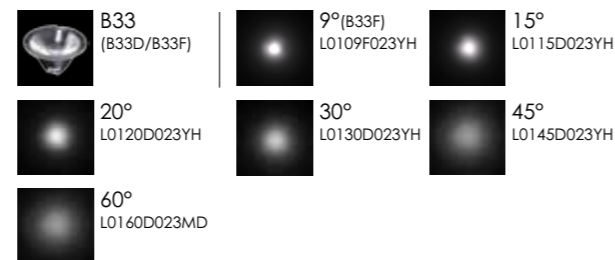
**HOUSING COLOR OPTION**



**MATERIAL SPECIFICATIONS**

- FRONT COVER&HOUSING** | Aluminum anodized finishing or powder painting  
Optical lens,efficiency≥85%
- LENS** | Tempered glass,T=3mm
- LIGHT WINDOW** | Nickel coated copper
- CABLE GLAND** | Tooling shaped seal
- GASKET** | ORSAM
- LED** | Excellent heat conductivity aluminum,coefficient of
- PCB** | heat Conductivity≥2.0w/mk
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=2.0m(low voltage)  
H05RN-F 3X1.0mm2 L=2.0m(high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

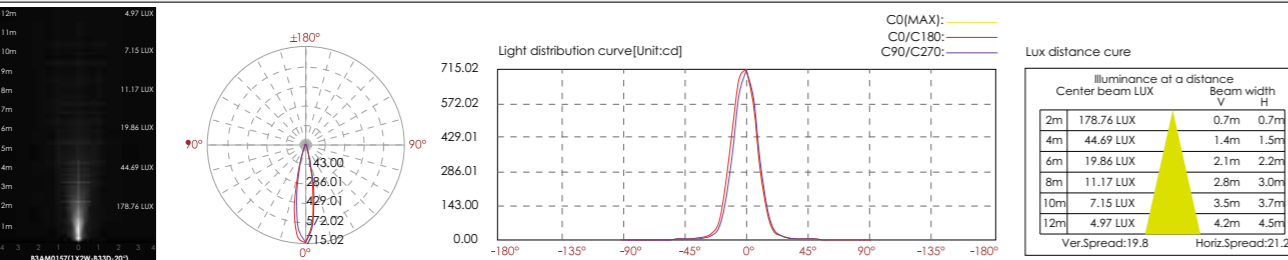
**OPTICS**



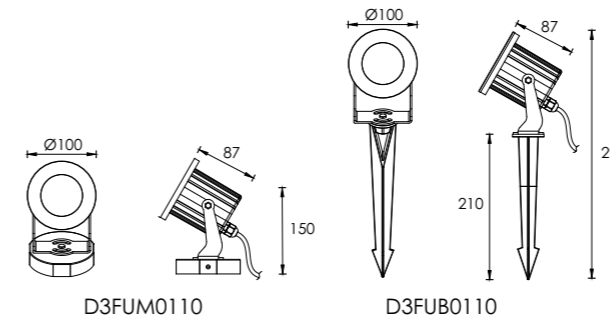
**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B3AM0157</b>	1×2W	B33D	20°	24V DC 120/240	24V = 110 120V = 48 240V = 28	24V = 2.6 120V = 3 240V = 3.1	Cool White = 149 Warm White = 120	02

**PHOTOMETRIC CURVES**



**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum.  
T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | Tempered glass,T=3mm
- CABLE GLAND** | IP-68 PG-9 PA66
- FRONT COVER** | Hard chrome-plated stainless steel SUS 316L#
- BRACKET** | Powder coated aluminum
- GASKET** | Tooling shaped seal
- POWER CABLE** | H05RN-F 3X1.0mm2 L=2.0m(high voltage)
- MOUNTING BASE** | Powder coated die-casting aluminum

**HOUSING COLOR OPTION**



**LIGHTING SOURCES OPTION**

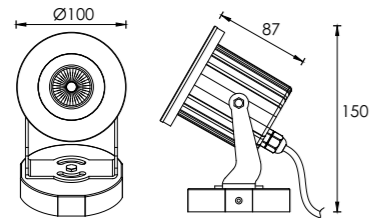




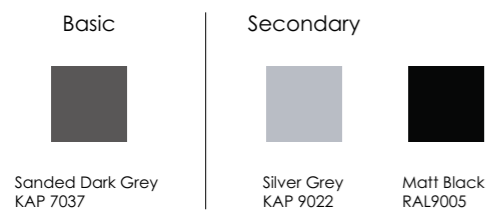
**LED COLOUR TEMPERATURE**

3000K · 6000K

**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



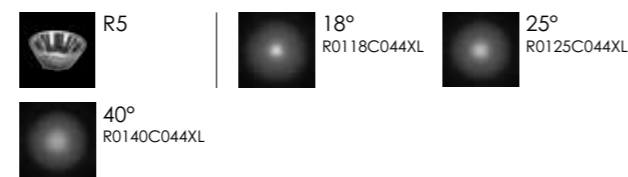
**HOUSING COLOR OPTION**



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chrome-plated Stainless steel (SUS 304#, 316# optional)
- LIGHT WINDOW** | Tempered glass, T=4mm
- GASKET** | Tooling shaped seal
- LED** | COB LED 6W
- CABLE GLAND** | IP-68 PG-9 PA66
- BRACKET** | Powder coated aluminum
- REFLECTOR** | Optical Reflector efficiency ≥90%
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=2.0m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=2.0m (high voltage)
- MOUNTING BASE** | 12# Die-casting dark grey powder coated aluminum

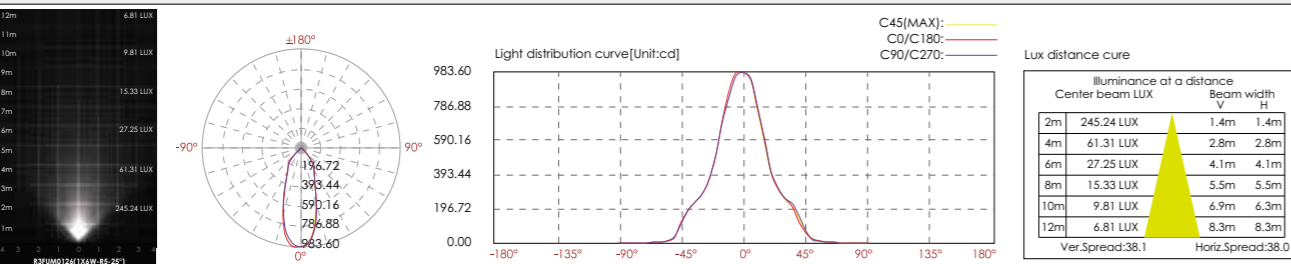
**OPTICS**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R3FUM0126</b>	1×6W	R5	40°	24V DC 120/240	24V = 270 120V = 65 240V = 37	24V = 6.5 120V = 7.7 240V = 7.8	Cool White = 758 Warm White = 662	04

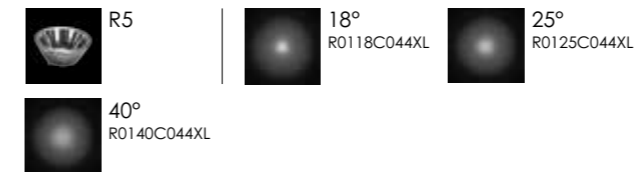
**PHOTOMETRIC CURVES**



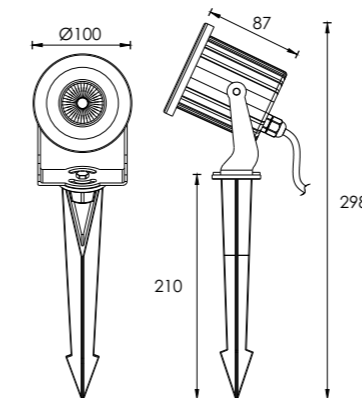
**LED COLOUR TEMPERATURE**

3000K · 6000K

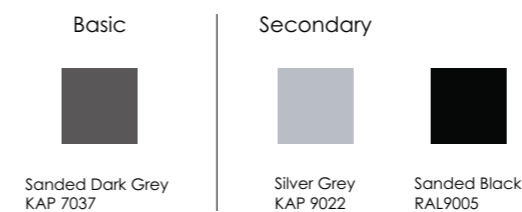
**OPTICS**



**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



**HOUSING COLOR OPTION**



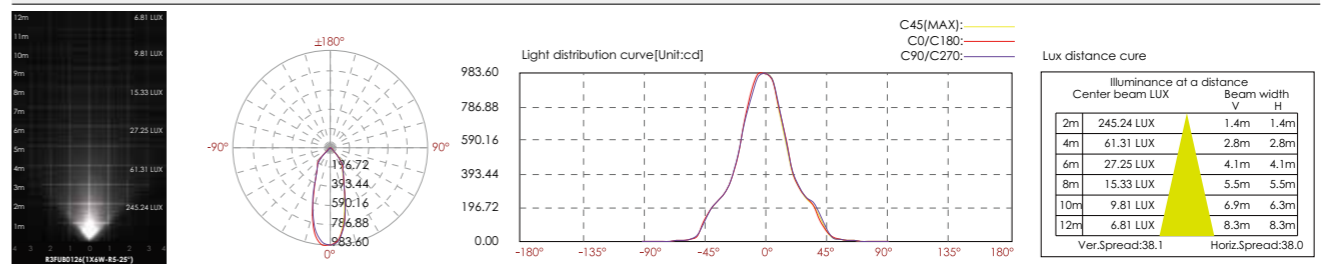
**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | Hard chrome-plated Stainless steel (SUS 304#, 316# optional)
- LIGHT WINDOW** | Tempered glass, T=4mm
- LED** | COB LED 6W
- CABLE GLAND** | IP-68 PG-9 PA66
- BRACKET** | Powder coated aluminum
- REFLECTOR** | Optical Reflector efficiency ≥90%
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=2.0m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=2.0m (high voltage)
- SPIKE** | ABS spike 5

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R3FUB0126</b>	1×6W	R5	40°	24V DC 120/240	24V = 270 120V = 65 240V = 37	24V = 6.5 120V = 7.7 240V = 7.8	Cool White = 758 Warm White = 662	04

**PHOTOMETRIC CURVES**







LED COLOUR TEMPERATURE

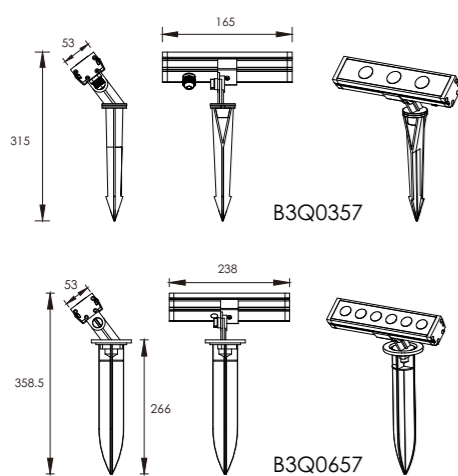
3000K · 6000K

OPTICS

B13	6° L0106D023LK	13° L0113D023LK	20° L0120D023LK	30° L0130D023LK	40° L0140D023LK
B33 (B33D/B33F)	9°(B33F) L0109F023YH	15° L0115D023YH	20° L0120D023YH	30° L0130D023YH	45° L0145D023YH
	60° L0160D023MD				

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting dark grey powder coated aluminum. T=60-80µm,Adhesion of ISO class 1/ASTM class 4B
<b>GLASS</b>	Tempered glass,T=3mm
<b>CABLE GLAND</b>	IP-68 PG-9 PA66
<b>LENS</b>	Band form effect
<b>BRACKET</b>	Powder coated stainless steel
<b>POWER CABLE</b>	H05RN-F 2X1.0mm <sup>2</sup> L=2.0m
<b>SPIKE</b>	ABS spike 5d(B3Q0357) ABS spike 7b(B3Q0657)

HOUSING COLOR OPTION

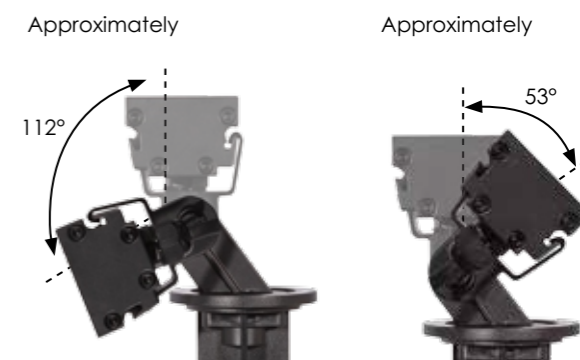
Basic	Secondary
Sanded Dark Grey KAP 7037	Silver Grey KAP 9022
	Sanded Black RAL9005

TECHNICAL DATA

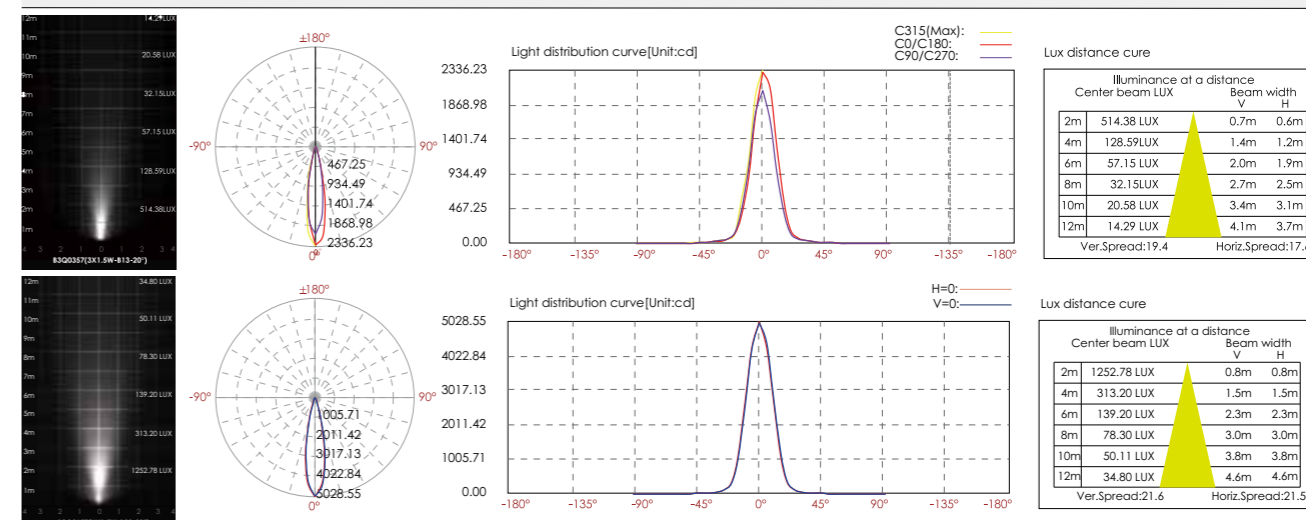
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B3Q0357	3×1.5W	B13	30°	24V DC	250	6	Cool White = 493 Warm White = 362	05
B3Q0657	6×1.5W	B33	20°	24V DC	416	10	Cool White = 900 Warm White = 815	05



ADJUSTABLE BEAM DIRECTION



PHOTOMETRIC CURVES



**LED COLOUR TEMPERATURE**

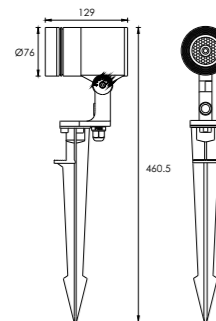
3000K · 6000K

**OPTICS**

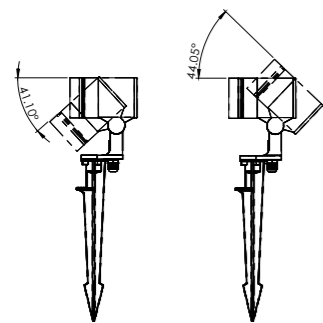


**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm



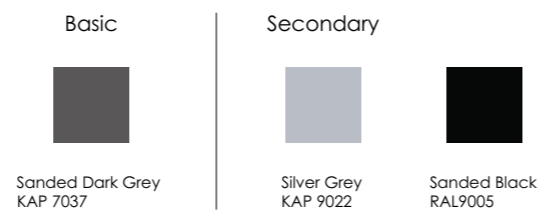
**ADJUSTABLE BEAM DIRECTION**



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | Tempered glass.T=4mm
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- LENS** | Optical lens,efficiency≥85%
- POWER CABLE** | H05RN-F 2X1.0mm2 L=2.0m(low voltage)  
H05RN-F 3X1.0mm2 L=2.0m(high voltage)
- OPERATING TEMPERATURE** | -20°C~40°C
- SPIKE** | ABS spike 6b(M4)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

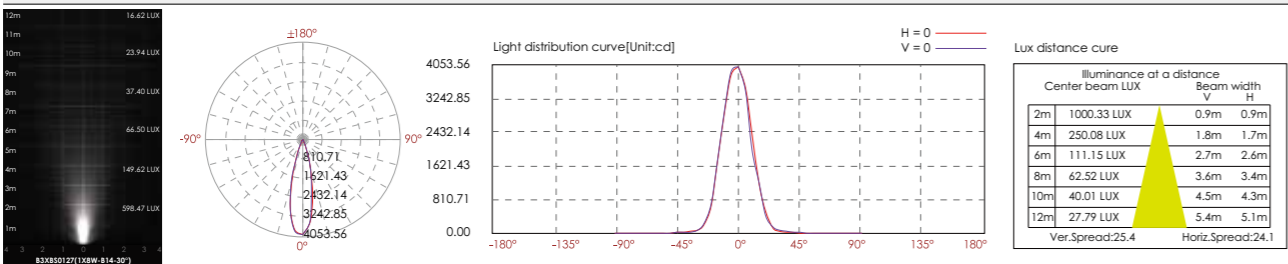
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B3XB50127</b>	1×8W COB	B67	25°	24V DC 120/240	24V = 411 120V = 88 240V = 50	24V = 9.8 120V = 10.5 240V = 10.8	Cool White = 920 Warm White = 862	07

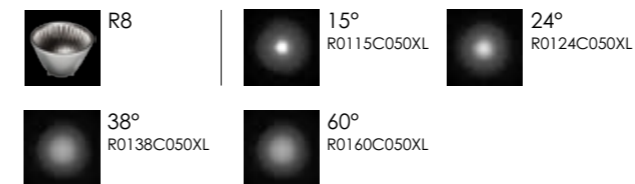
**PHOTOMETRIC CURVES**



**LED COLOUR TEMPERATURE**

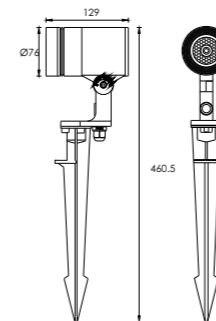
3000K · 6000K

**OPTICS**

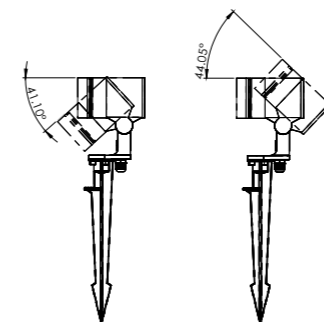


**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm



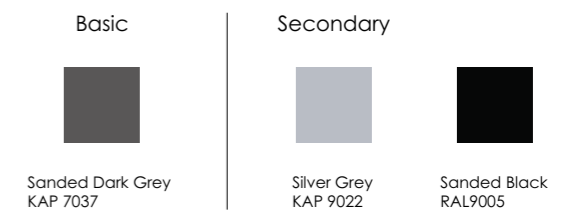
**ADJUSTABLE BEAM DIRECTION**



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | Tempered glass.T=4mm
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- REFLECTOR** | Optical reflector,efficiency≥85%
- POWER CABLE** | H05RN-F 2X1.0mm2 L=2.0m(low voltage)  
H05RN-F 3X1.0mm2 L=2.0m(high voltage)
- OPERATING TEMPERATURE** | -20°C~40°C
- SPIKE** | ABS spike 6b(M4)

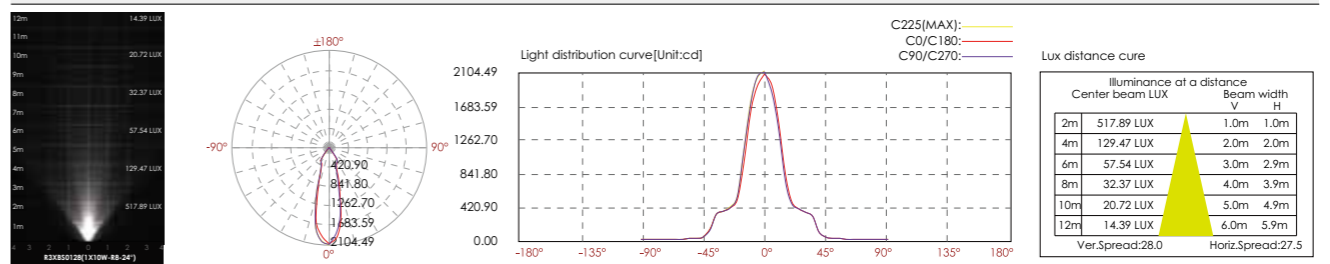
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R3XB50128</b>	1×10W COB	R8	24°	24V DC 120/240	24V = 480 120V = 107 240V = 60	24V = 11.5 120V = 12.6 240V = 12.6	Cool White = 1050 Warm White = 956	07

**PHOTOMETRIC CURVES**



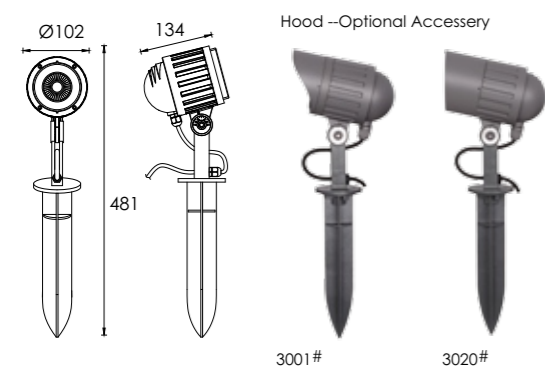
**LED COLOUR TEMPERATURE**

3000K · 6000K

**OPTICS**



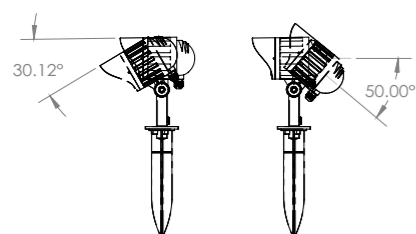
**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum, T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
- LED** | NICHIA
- LIGHT WINDOW** | Tempered glass, T=4mm
- CABLE GLAND** | IP67 PG-9 Copper and nickel coated
- GASKET** | Molding shaped silicone double seal
- PCB** | Excellent heat conductivity aluminum, coefficient of heat conductivity ≥90%
- LED DRIVER** | Constant current output
- REFLECTOR** | Optical Reflector efficiency ≥90%
- OPERATING TEMPERATURE** | -20°C~40°C
- SPIKE** | ABS spike 7a
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=2.0m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=2.0m (high voltage)

**ADJUSTABLE BEAM DIRECTION**



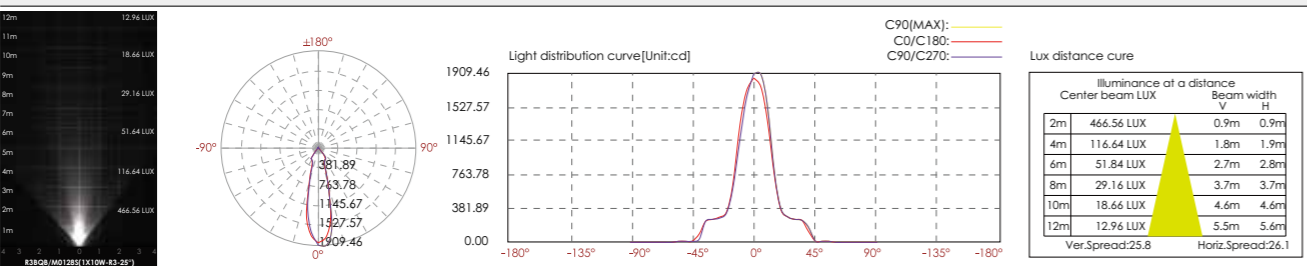
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R3BQB0128S</b>	1×10W COB	R3	25°	24V DC 120/240	24V = 411 120V = 88 240V = 48	24V = 9.8 120V = 10.5 240V = 10.5	Cool White = 685 Warm White = 674	05

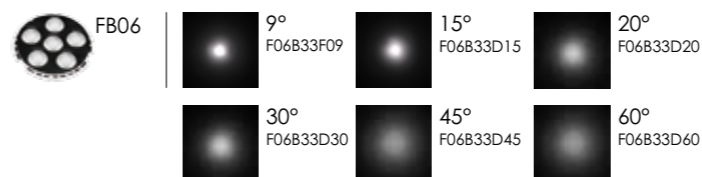
**PHOTOMETRIC CURVES**



**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**OPTICS**



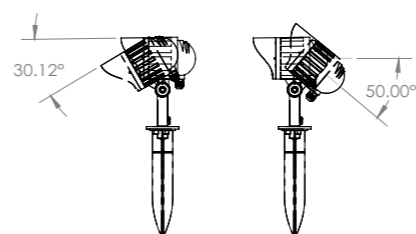
**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum, T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
- LENS** | All-in-one optical lens, efficiency ≥85%
- LIGHT WINDOW** | Tempered glass, T=4mm
- CABLE GLAND** | IP67 PG-9 Copper and nickel coated
- GASKET** | Molding shaped silicone double seal
- LED** | OSRAM or NICHIA
- PCB** | Excellent heat conductivity aluminum, coefficient of heat Conductivity ≥2.0w/mk
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=2.0m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=2.0m (high voltage)
- SPIKE** | ABS spike 7a
- BRACKET** | Powder coated die-casting aluminum
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

**ADJUSTABLE BEAM DIRECTION**



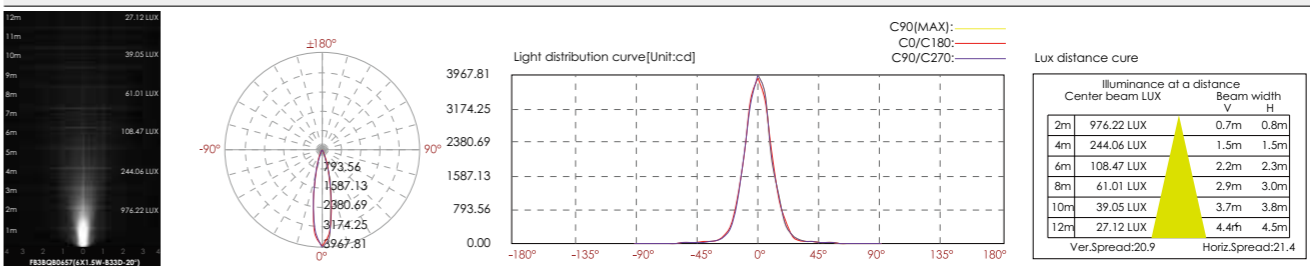
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>FBO6B0657</b>	6×1.5W	FBO6	20°	24V DC 120/240	24V = 550 120V = 98 240V = 53	24V = 13.2 120V = 12 240V = 12	Cool White = 1004 Warm White = 775	05

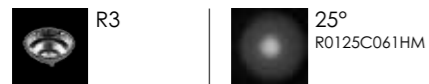
**PHOTOMETRIC CURVES**



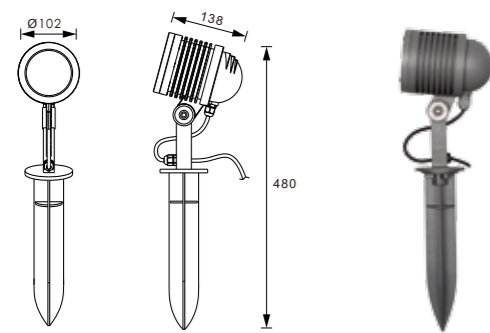
**LED COLOUR TEMPERATURE**

3000K · 6000K

**OPTICS**



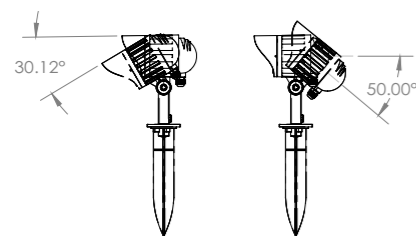
**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



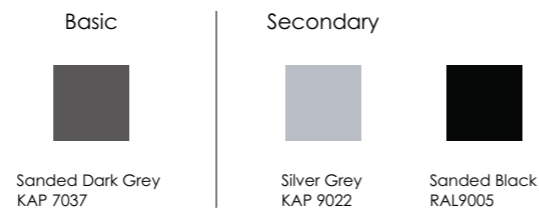
**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum, T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
- LED** | NICHIA
- LIGHT WINDOW** | Tempered glass, T=4mm
- CABLE GLAND** | IP 68 PG-9 PA66
- GASKET** | Molding shaped silicone double seal
- PCB** | Excellent heat conductivity aluminum, coefficient of heat conductivity ≥ 90%
- LED DRIVER** | Constant current output
- REFLECTOR** | Optical Reflector efficiency ≥ 90%
- OPERATING TEMPERATURE** | -20°C ~ 40°C
- SPIKE** | ABS spike 7a
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=2.0m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=2.0m (high voltage)

**ADJUSTABLE BEAM DIRECTION**



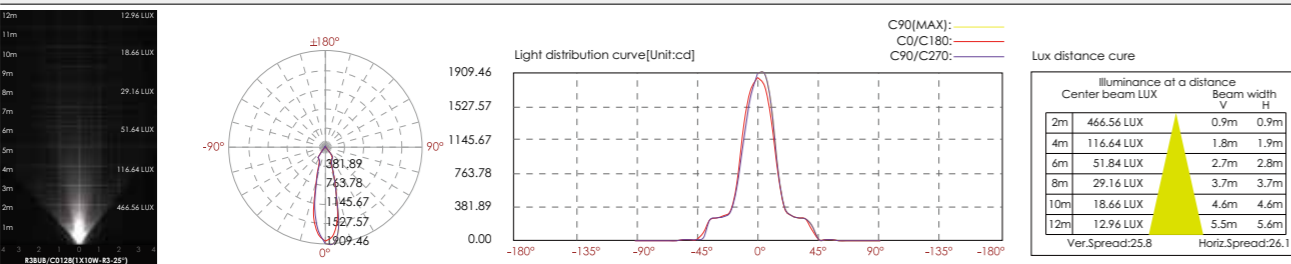
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R3BUB0128	1×10W COB	R3	25°	24V DC 120/240	24V = 411 120V = 88 240V = 48	24V = 9.8 120V = 10.5 240V = 10.5	Cool White = 685 Warm White = 674	05

**PHOTOMETRIC CURVES**



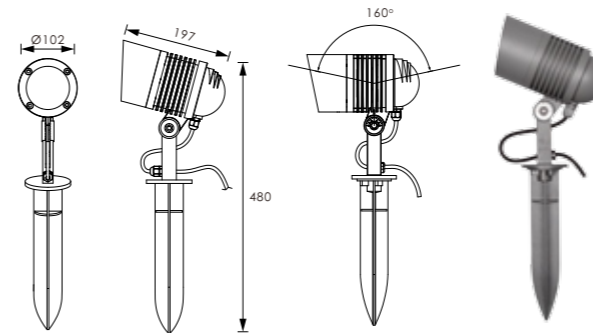
**LED COLOUR TEMPERATURE**

3000K · 6000K

**OPTICS**



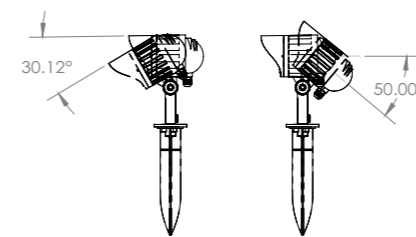
**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



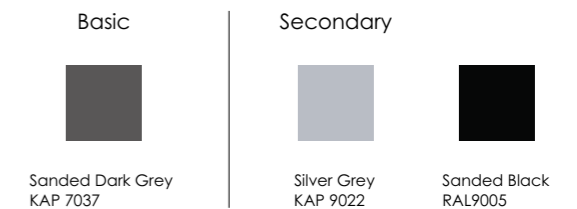
**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum, T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
- LED** | NICHIA
- LIGHT WINDOW** | Tempered glass, T=4mm
- CABLE GLAND** | IP 68 PG-9 PA66
- GASKET** | Molding shaped silicone double seal
- PCB** | Excellent heat conductivity aluminum, coefficient of heat conductivity ≥ 90%
- LED DRIVER** | Constant current output
- REFLECTOR** | Optical Reflector efficiency ≥ 90%
- OPERATING TEMPERATURE** | -20°C ~ 40°C
- SPIKE** | ABS spike 7a
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=2.0m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=2.0m (high voltage)

**ADJUSTABLE BEAM DIRECTION**



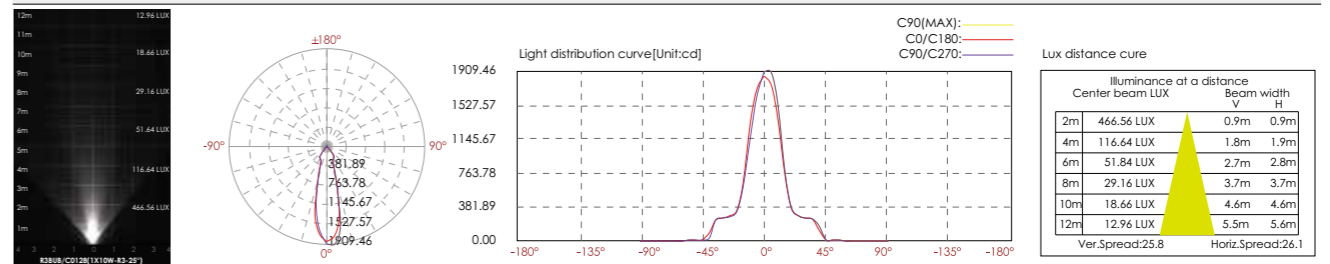
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R3BUC0128	1×10W COB	R3	25°	24V DC 120/240	24V = 411 120V = 88 240V = 48	24V = 9.8 120V = 10.5 240V = 10.5	Cool White = 685 Warm White = 674	05

**PHOTOMETRIC CURVES**





**LED COLOUR TEMPERATURE**

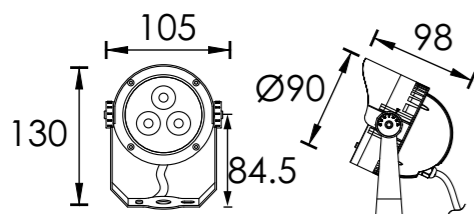
2000K · 3000K · 6000K

**OPTICS**



**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LENS** | All-in-one optical lens, efficiency ≥ 85%
- LIGHT WINDOW** | Tempered glass, T=4mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Tooling shaped seal
- BRACKET** | Powder coated aluminum
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=2.0m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=2.0m (high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

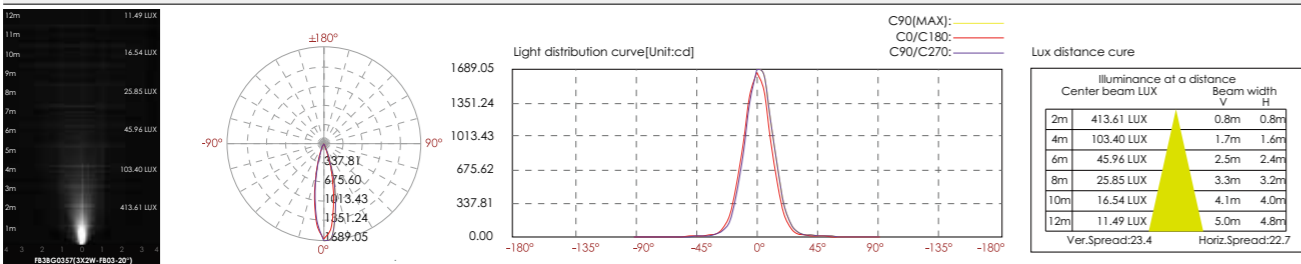
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LENS	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>FB3BG0357</b>	3×2W Single Color	FB03	20°	24V DC 120/240	24V = 240 120V = 51 240V = 30	24V = 5.7 120V = 6 240V = 6	Cool White = 466 Warm White = 383	07

**PHOTOMETRIC CURVES**



**LED COLOUR TEMPERATURE**

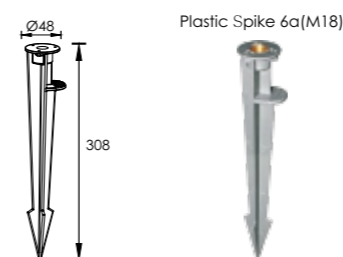
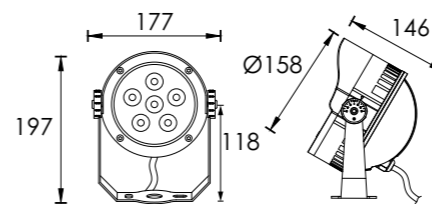
2000K · 3000K · 6000K

**OPTICS**



**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LENS** | All-in-one optical lens, efficiency ≥ 85%
- LIGHT WINDOW** | Tempered glass, T=4mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Tooling shaped seal
- BRACKET** | Powder coated aluminum
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=2.0m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=2.0m (high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

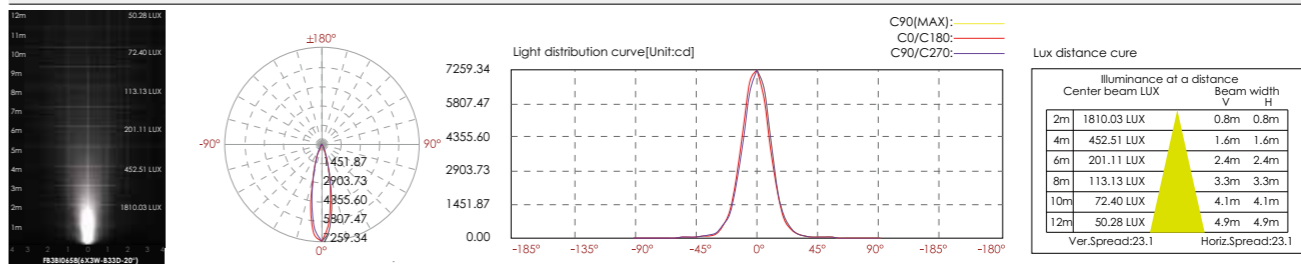
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>FB3BI0658</b>	6×3W NICHIA	FB06	20°	24V DC 120/240	24V = 850 120V = 156 240V = 84	24V = 20.4 120V = 18.6 240V = 18.8	Cool White = 1833 Warm White = 1580	08

**PHOTOMETRIC CURVES**



**LED COLOUR TEMPERATURE**

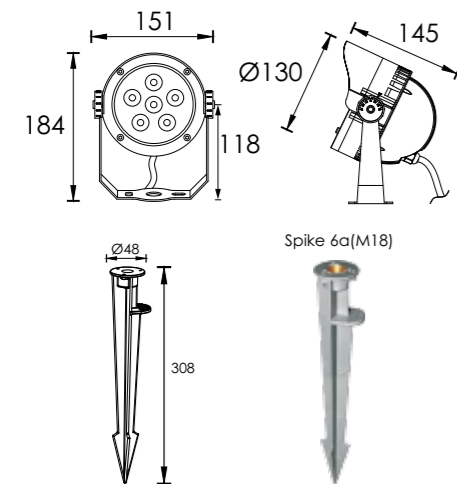
2000K · 3000K · 6000K

**OPTICS**



**OUTER DIMENSIONS & ACCESSORIES**

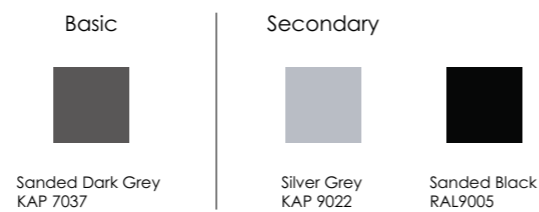
Unit:mm



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LENS** | All-in-one optical lens, efficiency ≥ 85%
- LIGHT WINDOW** | Tempered glass, T=4mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Tooling shaped seal
- BRACKET** | Powder coated aluminum
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup>L=2.0m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup>L=2.0m (high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

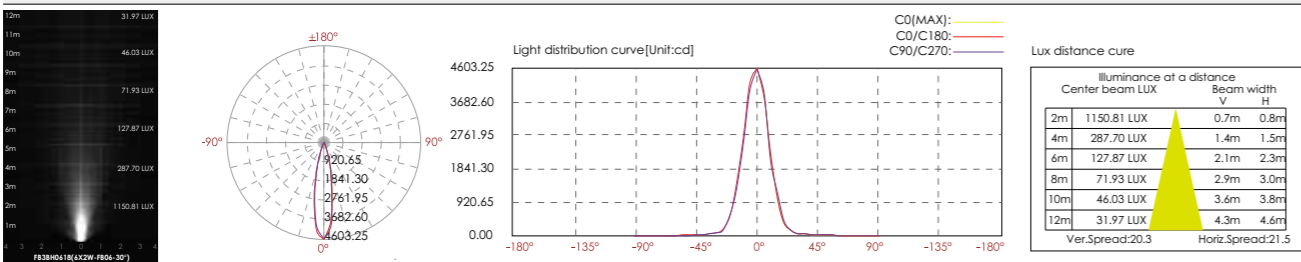
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>FB3BH0657</b>	6×2W Single Color	FB06	20°	24V DC 120/240	24V = 558 120V = 97 240V = 57	24V = 13.4 120V = 11.5 240V = 12.6	Cool White = 1117 Warm White = 835	08

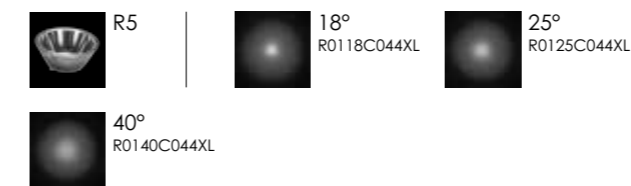
**PHOTOMETRIC CURVES**



**LED COLOUR TEMPERATURE**

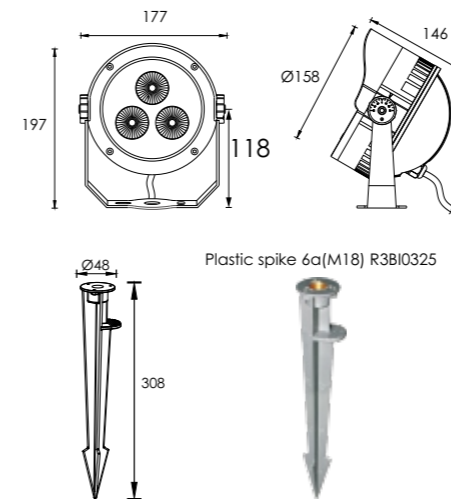
3000K · 6000K

**OPTICS**



**OUTER DIMENSIONS & ACCESSORIES**

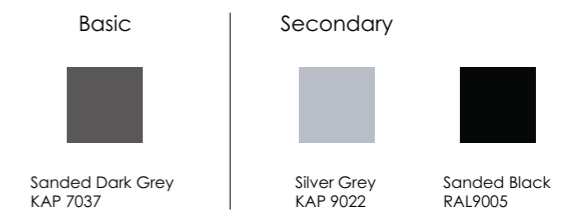
Unit:mm



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- BRACKET** | Powder coated aluminum
- LIGHT WINDOW** | Tempered glass, T=4mm
- REFLECTOR** | Optical Reflector efficiency ≥ 90%
- LED** | Nichia COB LED
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Tooling shaped seal
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=2.0m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=2.0m (high voltage)

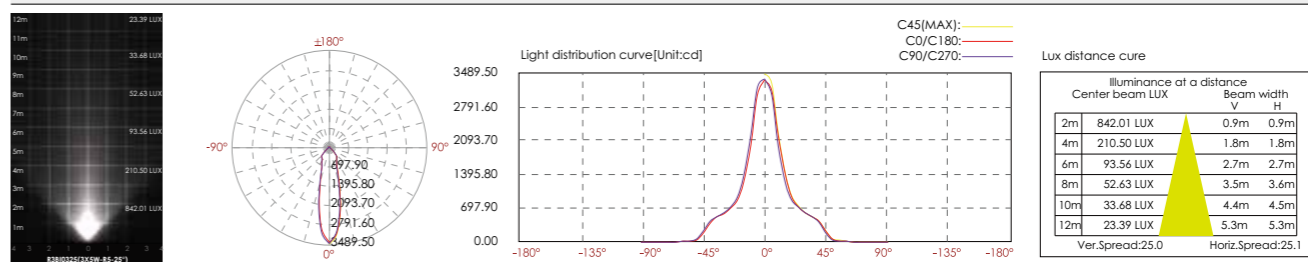
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R3BI0325</b>	3×5W COB	R5	25°	120/240	120V = 154 240V = 82	120V = 18.5 240V = 18.5	Cool White = 1745 Warm White = 1516	08

**PHOTOMETRIC CURVES**



# COB Landscape Flood Light

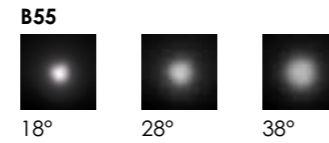


## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS

**B55**  
L0112S050LK 18°  
L0124S050LK 28°  
L0138S050LK 38°



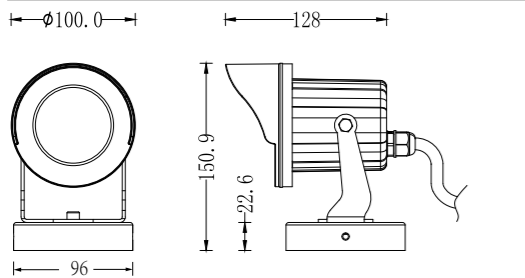
## MATERIAL SPECIFICATIONS

<b>Housing</b>	12" Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
<b>Front cover</b>	Hard chrome-plated Stainless steel (SUS 304", 316" optional)
<b>Light Window</b>	Tempered glass. T=4mm
<b>Gasket</b>	Tooling shaped seal
<b>LED</b>	COB LED 6W
<b>Cable gland</b>	IP-68 PG-9 PA66
<b>Bracket</b>	Powder coated aluminum
<b>Reflector</b>	Optical Reflector efficiency ≥90%
<b>Power Cable</b>	H05RN-F 2X1.0mm <sup>2</sup> L=2.0m (low voltage) H05RN-F 3X1.0mm <sup>2</sup> L=2.0m (high voltage)
<b>Mounting base</b>	12" Die-casting dark grey powder coated aluminum

## HOUSING COLOR OPTION

Basic	Secondary
Sanded Dark Grey KAP 7037	Silver Grey KAP 9022
	Sanded Black RAL9005

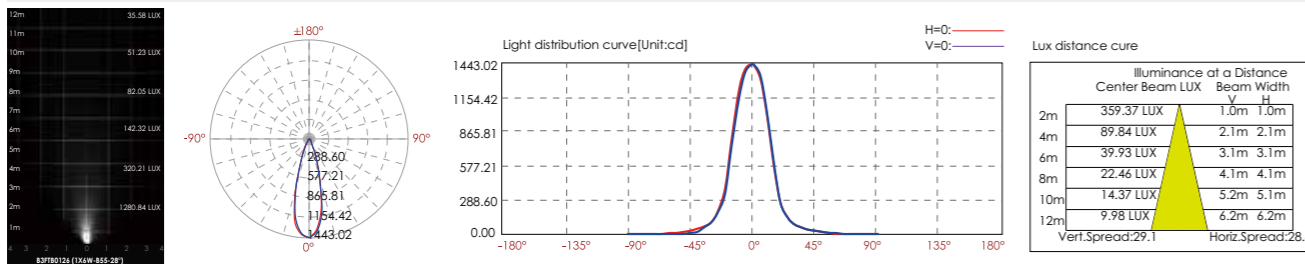
## OUTER DIMENSIONS



## TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
<b>B3FTM0126</b>	1×6W	B55	28°	24VDC 120/240	24V = 270 120V = 65 240V = 37	24V = 6.5 120V = 7.7 240V = 7.8	Cool white = 490 Warm white = 444	04

## PHOTOMETRIC CURVES



# COB Landscape Flood Light

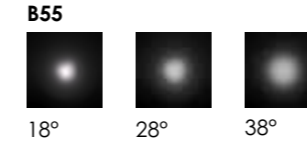


## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS

**B55**  
L0112S050LK 18°  
L0124S050LK 28°  
L0138S050LK 38°



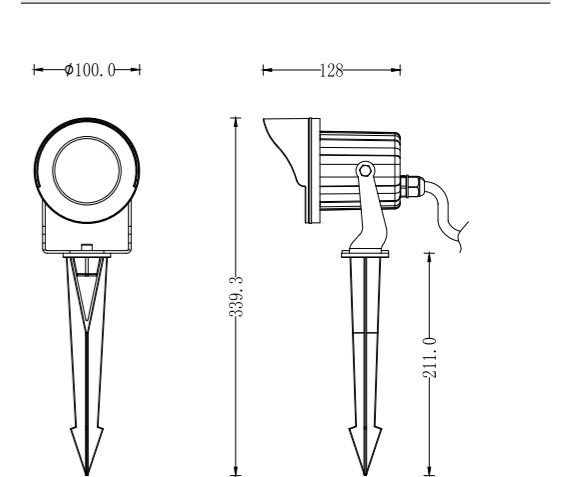
## MATERIAL SPECIFICATIONS

<b>Housing</b>	12" Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
<b>Front cover</b>	Hard chrome-plated Stainless steel (SUS 304", 316" optional)
<b>Light Window</b>	Tempered glass. T=4mm
<b>LED</b>	COB LED 6W
<b>Cable gland</b>	IP-68 PG-9 PA66
<b>Bracket</b>	Powder coated aluminum
<b>Reflector</b>	Optical Reflector efficiency ≥90%
<b>Power Cable</b>	H05RN-F 2X1.0mm <sup>2</sup> L=2.0m (low voltage) H05RN-F 3X1.0mm <sup>2</sup> L=2.0m (high voltage)
<b>Spike</b>	ABS spike 5

## HOUSING COLOR OPTION

Basic	Secondary
Sanded Dark Grey KAP 7037	Silver Grey KAP 9022
	Sanded Black RAL9005

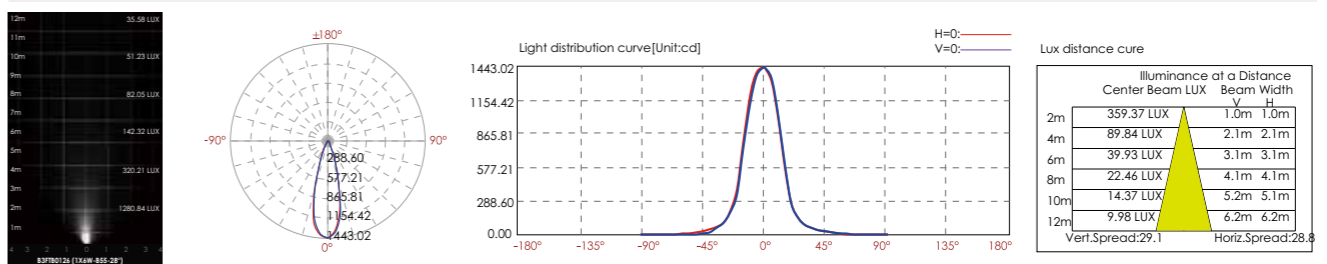
## OUTER DIMENSIONS



## TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
<b>B3FTB0126</b>	1×6W	B55	28°	24VDC 120/240	24V = 270 120V = 65 240V = 37	24V = 6.5 120V = 7.7 240V = 7.8	Cool white = 490 Warm white = 444	04

## PHOTOMETRIC CURVES





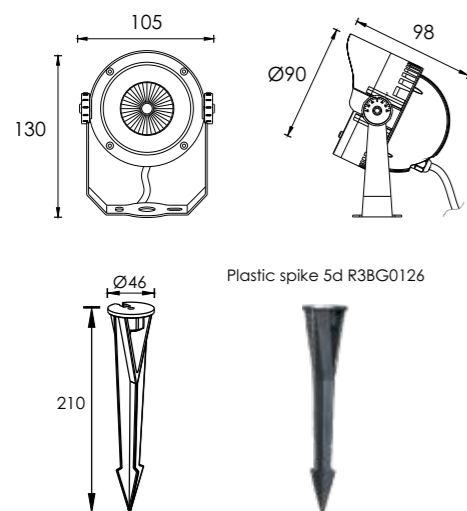
**LED COLOUR TEMPERATURE**

3000K · 6000K

**OPTICS**



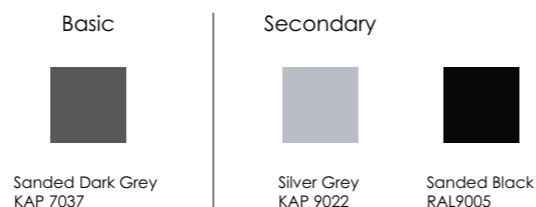
**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- BRACKET** | Powder coated aluminum
- LIGHT WINDOW** | Tempered glass. T=4mm
- REFLECTOR** | Optical Reflector efficiency ≥ 90%
- LED** | Nichia COB LED
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Tooling shaped seal
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=2.0m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=2.0m (high voltage)

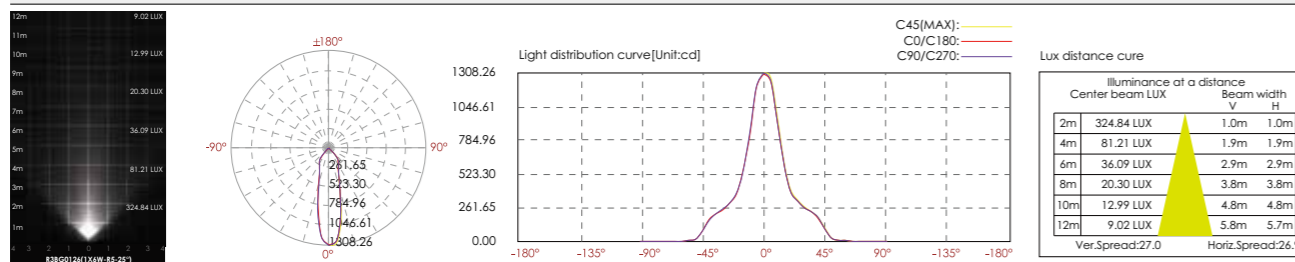
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R3BG0126</b>	1×6W COB	R5	25°	24V DC 120/240	24V = 270 120V = 60 240V = 39	24V = 6.5 120V = 7 240V = 7.1	Cool White = 734 Warm White = 628	07

**PHOTOMETRIC CURVES**



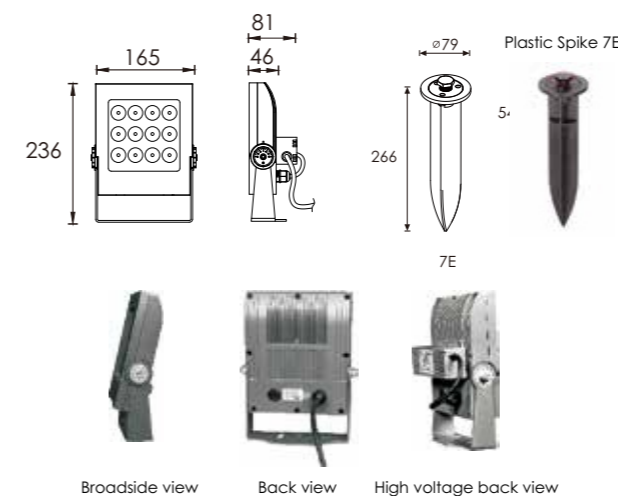
**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**OPTICS**



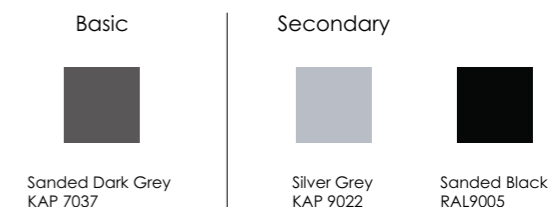
**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | Tempered glass. T=4mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Tooling shaped seal
- BRACKET** | Powder coated aluminum
- LED** | OSRAM
- LENS** | Optical lens, efficiency ≥ 90%
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=2.0m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=2.0m (high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V DALI

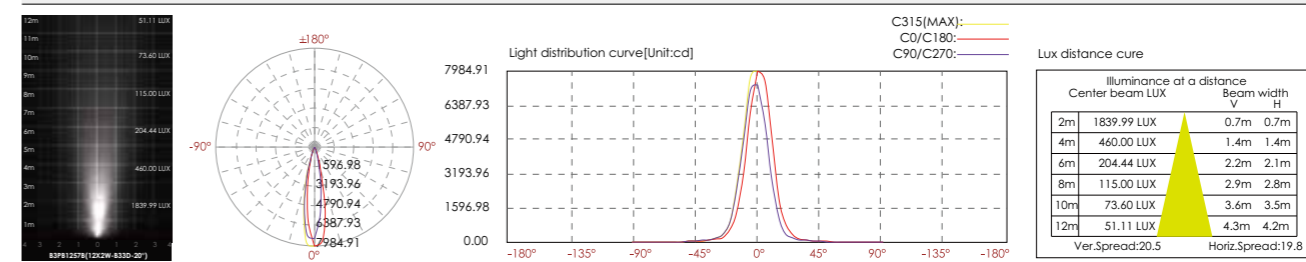
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B3PB1257</b>	12×1.5W	B33D	20°	24V DC 120/240	24V = 1051 120V = 143 240V = 79	24V = 25 120V = 17 240V = 18	Cool White = 1818 Warm White = 1373	08

**PHOTOMETRIC CURVES**





**LED COLOUR TEMPERATURE**

3000K · 6000K

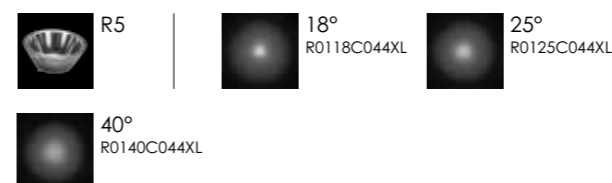
**OPTICS**



**LED COLOUR TEMPERATURE**

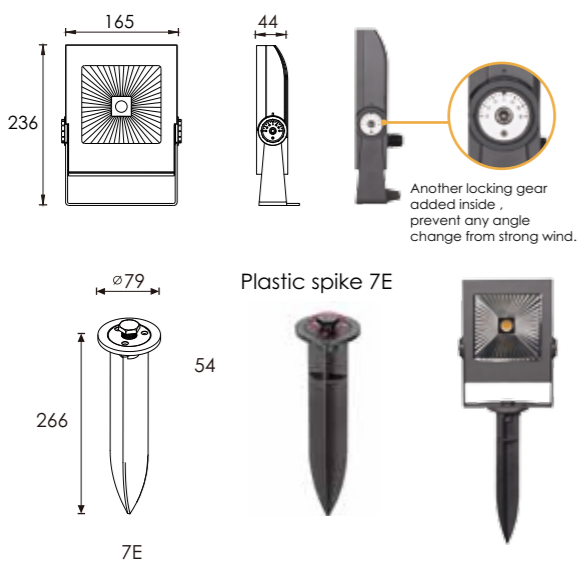
3000K · 6000K

**OPTICS**



**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LED** | Nichia COB LED
- LIGHT WINDOW** | Tempered glass. T=4mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Tooling shaped seal
- BRACKET** | Powder coated aluminum
- REFLECTOR** | Optical Reflector efficiency≥90%
- POWER CABLE** | H05RN-F 2X1.0mm2 L=2.0m(low voltage)  
H05RN-F 3X1.0mm2 L=2.0m(high voltage)

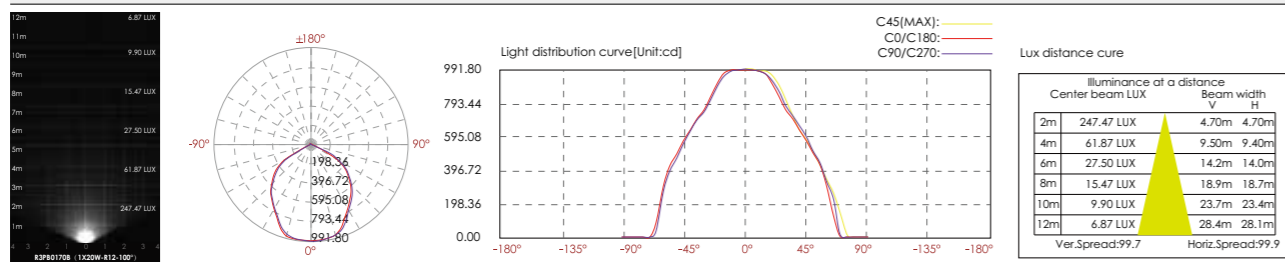
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

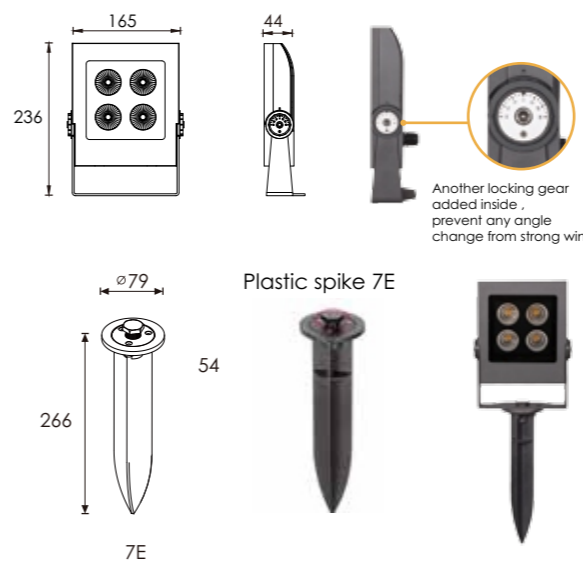
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R3PB0171 B</b>	1×20W	R12	100°	24V DC 120/240	24V = 960 120V = 205 240V = 105	24V = 23 120V = 24 240V = 24.4	Cool White = 1885 Warm White = 1678	08

**PHOTOMETRIC CURVES**



**OUTER DIMENSIONS & ACCESSORIES**

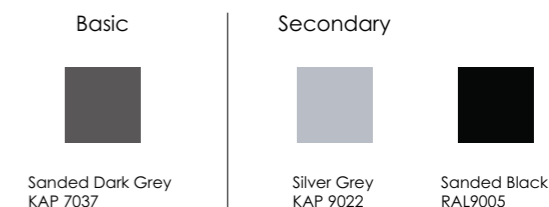
Unit:mm



**MATERIAL SPECIFICATIONS**

- Housing** | 12# Die-casting powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LED** | Nichia COB LED
- Light Window** | Tempered glass. T=4mm
- Cable gland** | IP68 PG-9 PA66
- Gasket** | Tooling shaped seal
- Bracket** | Powder coated aluminum
- Reflector** | Optical Reflector efficiency≥90%
- Power Cable** | H05RN-F 2X1.0mm2 L=2.0m(low voltage)  
H05RN-F 3X1.0mm2 L=2.0m(high voltage)

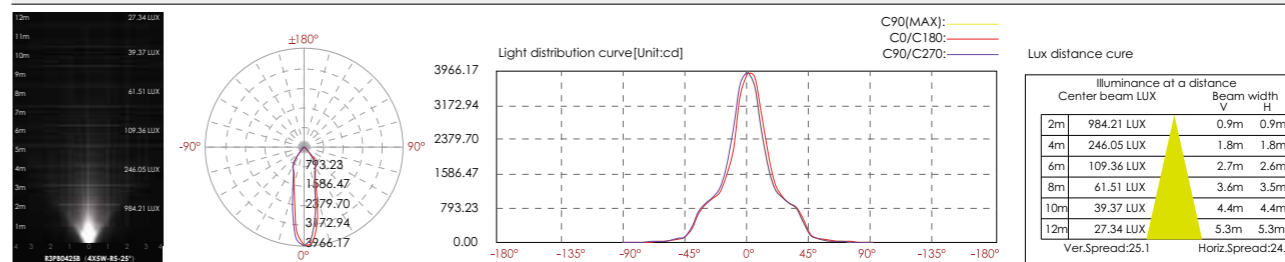
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R3PB0425 B</b>	4×5W COB	R5	25°	24V DC 120/240	24V = 917 120V = 196 240V = 114	24V = 22 120V = 23.3 240V = 24	Cool White = 2206 Warm White = 1740	08

**PHOTOMETRIC CURVES**



# SPOT LIGHT

## WALL MOUNTING FLOOD & SPOT LIGHT



184



185



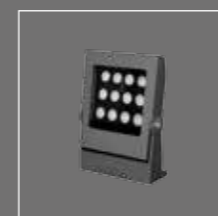
186



188



189



190



191



192



194

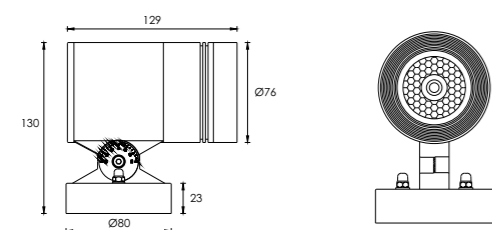
**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

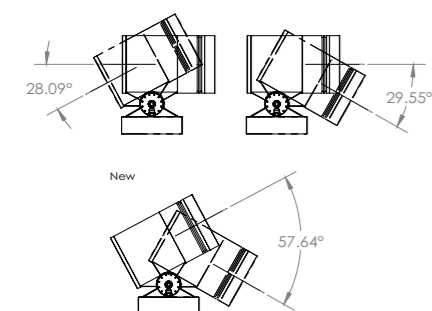
**OPTICS**



**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



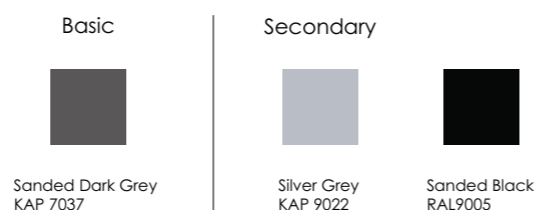
**ADJUSTABLE BEAM DIRECTION**



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | Tempered glass. T=4mm
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- LED** | Nichia
- LENS** | Optical lens, efficiency ≥ 85%
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=2.0m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=2.0m (high voltage)
- OPERATING TEMPERATURE** | -20°C ~ 40°C
- MOUNTING BASE** | Powder coated die-casting aluminum
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

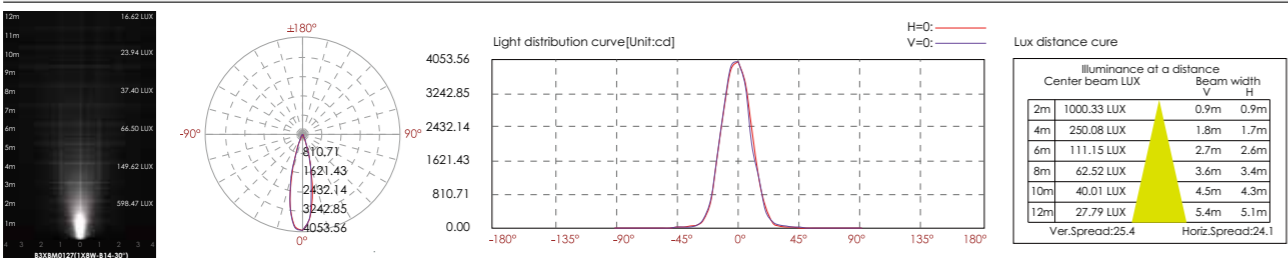
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B3XBM0127</b>	1×8W COB	B67	25°	24V DC 120/240	24V = 411 120V = 88 240V = 50	24V = 9.8 120V = 10.5 240V = 10.8	Cool White = 920 Warm White = 862	07

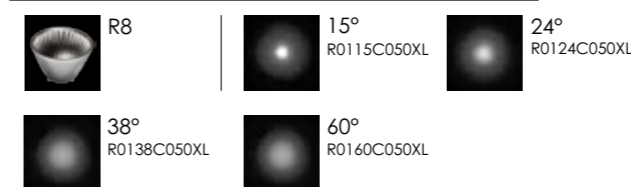
**PHOTOMETRIC CURVES**



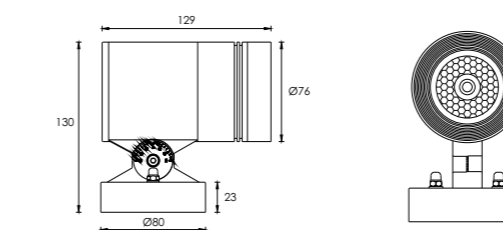
**LED COLOUR TEMPERATURE**

3000K · 6000K

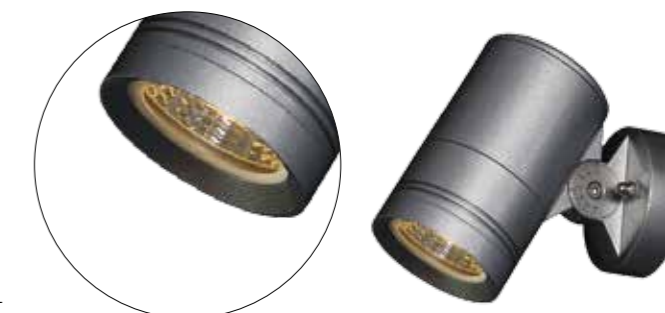
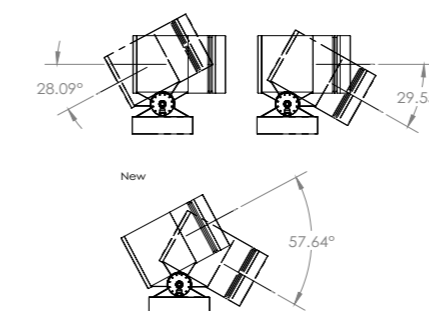
**OPTICS**



**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



**ADJUSTABLE BEAM DIRECTION**



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | Tempered glass. T=4mm
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- LED** | NICHIA
- LENS** | Optical lens, efficiency ≥ 85%
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.3m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.3m (high voltage)
- OPERATING TEMPERATURE** | -20°C ~ 40°C
- MOUNTING BASE** | Powder coated die-casting aluminum

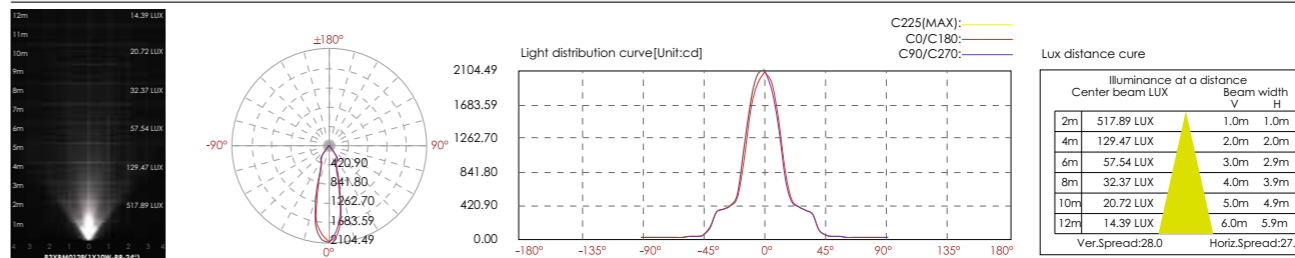
**HOUSING COLOR OPTION**



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R3XBM0128</b>	1×10W COB	R8	24°	24V DC 120/240	24V = 480 120V = 107 240V = 60	24V = 11.5 120V = 12.6 240V = 12.6	Cool White = 1050 Warm White = 956	07

**PHOTOMETRIC CURVES**





#### LED COLOUR TEMPERATURE

3000K · 6000K

#### OPTICS



#### HOUSING COLOR OPTION

Basic



Sanded Dark Grey  
KAP 7037

Secondary



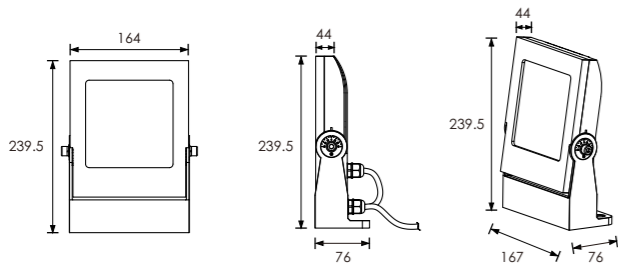
Silver Grey  
KAP 9022



Sanded Black  
RAL9005

#### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



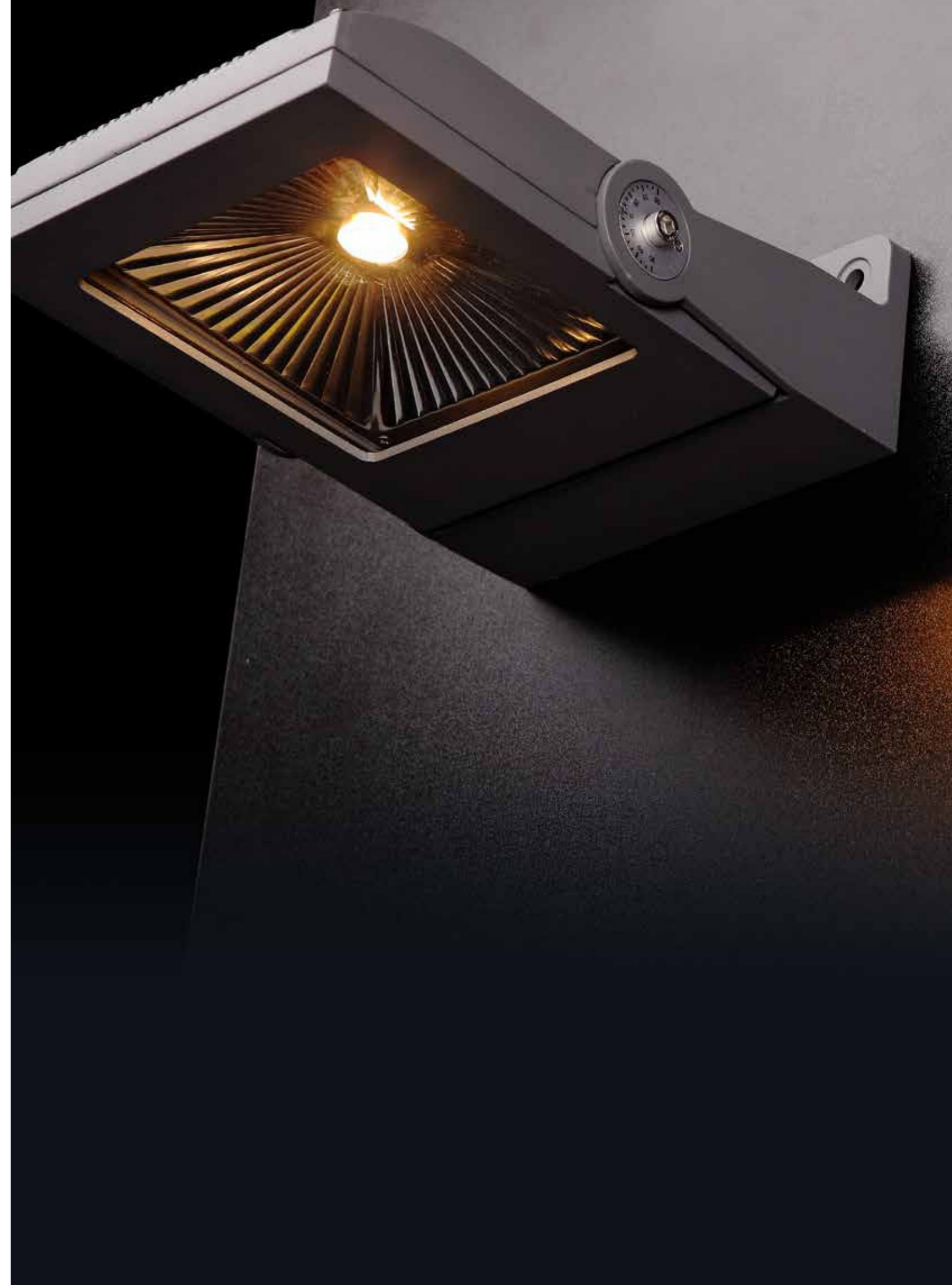
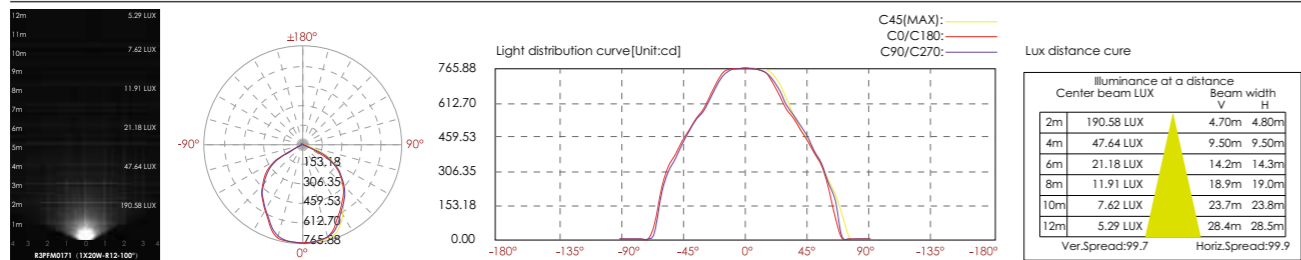
#### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting powder coated aluminum .  
T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LED** | Nichia COB LED
- LIGHT WINDOW** | Tempered glass. T=4mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Tooling shaped seal
- BRACKET** | Powder coated aluminum
- REFLECTOR** | Optical Reflector efficiency≥90%
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=2.0m(low voltage)  
| H05RN-F 3X1.0mm<sup>2</sup> L=2.0m(high voltage)

#### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R3PFM0171	1×20W	R12	100°	24V DC 120/240	24V = 960 120V = 205 240V = 105	24V = 23 120V = 24 240V = 24.4	Cool White = 1885 Warm White = 1678	08

#### PHOTOMETRIC CURVES

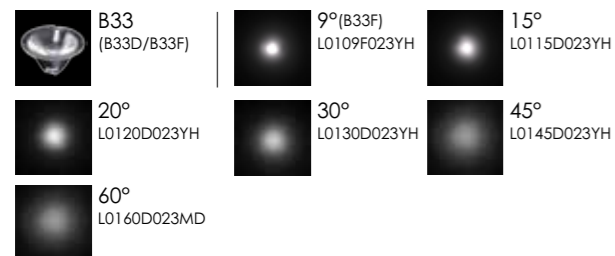




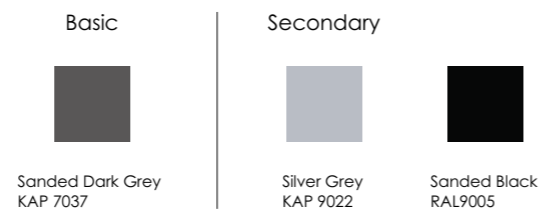
**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**OPTICS**

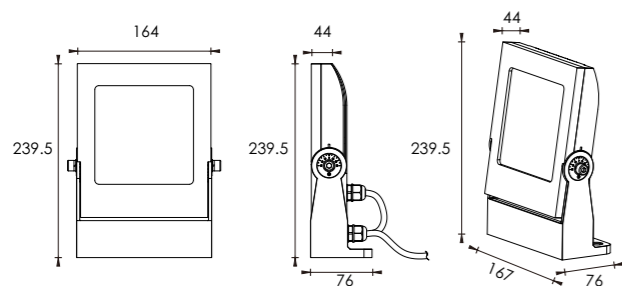


**HOUSING COLOR OPTION**



**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm



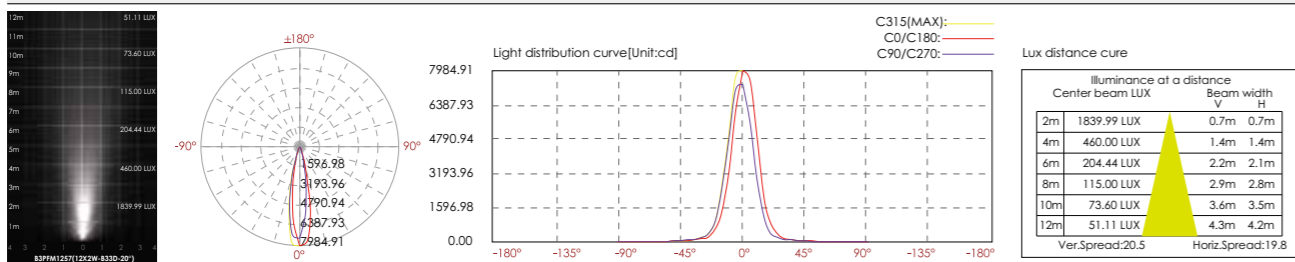
**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | Tempered glass. T=4mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Tooling shaped seal
- BRACKET** | Powder coated aluminum
- LED** | OSRAM or NICHIA
- LENS** | Optical lens, efficiency≥90%
- POWER CABLE** | H05RN-F 2X1.0mm2 L=2.0m(low voltage)  
| H05RN-F 3X1.0mm2 L=2.0m(high voltage)
- DIMMABLE SUPPORT** | Triac. PWM 1-10V Dali

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B3PFM1257</b>	12×2W	B33D	20°	24V DC	24V = 1051	24V = 25	Cool White = 1818 Warm White = 1373	08
				120/240	120V = 143	120V = 17		
					240V = 79	240V = 18		

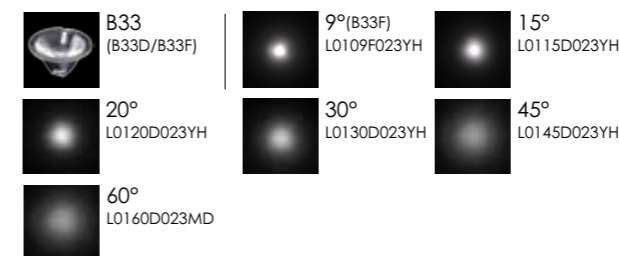
**PHOTOMETRIC CURVES**



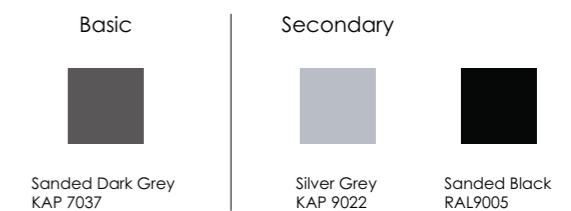
**LED COLOUR TEMPERATURE**

3000K · 6000K

**OPTICS**

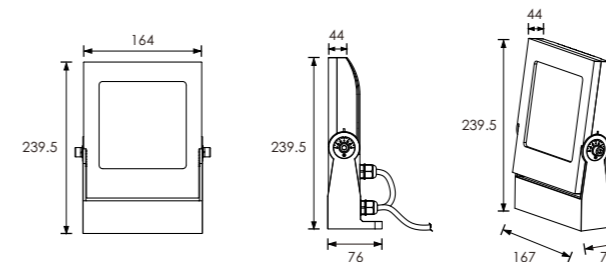


**HOUSING COLOR OPTION**



**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm



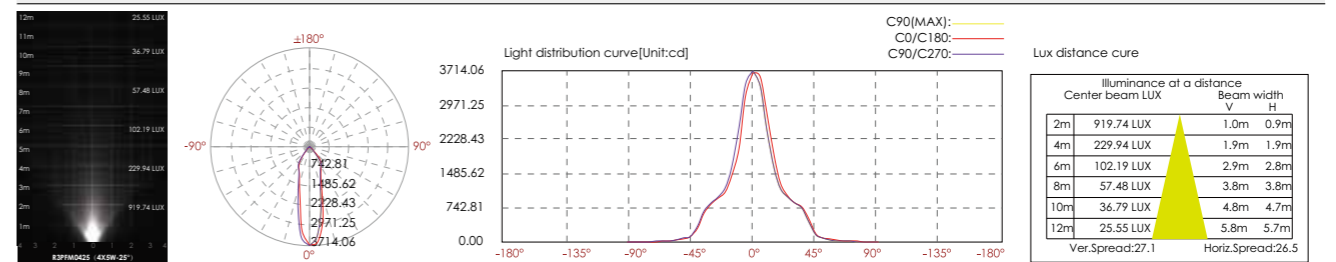
**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LED** | Nichia COB LED
- LIGHT WINDOW** | Tempered glass. T=4mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Tooling shaped seal
- BRACKET** | Powder coated aluminum
- REFLECTOR** | Optical Reflector efficiency≥90%
- POWER CABLE** | H05RN-F 2X1.0mm2 L=2.0m(low voltage)  
| H05RN-F 3X1.0mm2 L=2.0m(high voltage)

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R3PFM0425</b>	4×5W	R5	25°	24V DC	24V = 917	24V = 22	Cool White = 2206 Warm White = 1704	08
				120/240	120V = 196	120V = 23.3		
					240V = 114	240V = 24		

**PHOTOMETRIC CURVES**

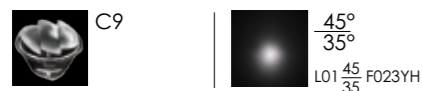




**LED COLOUR TEMPERATURE**

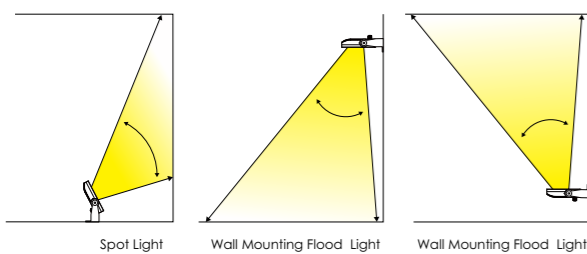
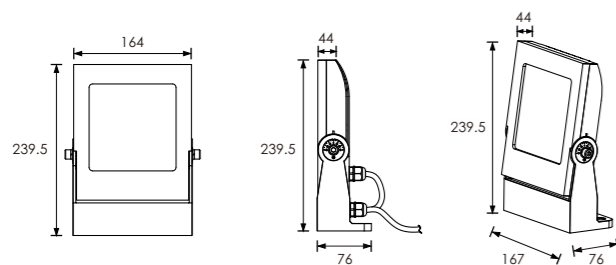
2000K · 3000K · 6000K

**OPTICS**

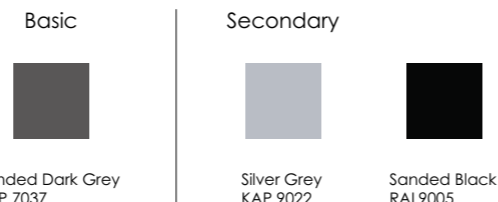


**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm



**HOUSING COLOR OPTION**



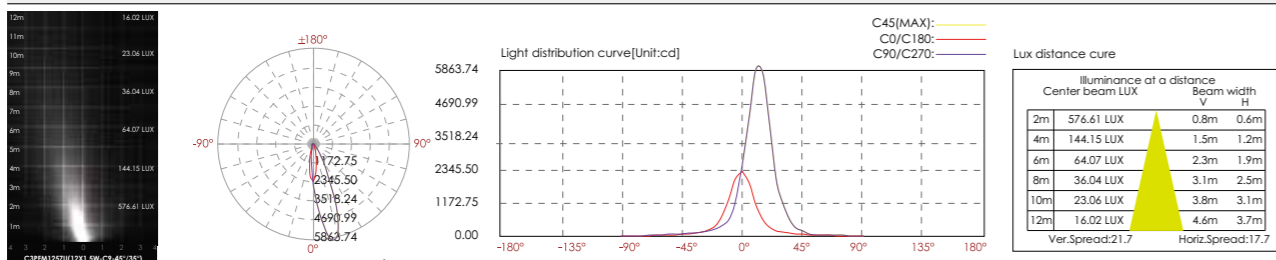
**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting powder coated aluminum . T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- BRACKET** | Powder coated aluminum
- LIGHT WINDOW** | Tempered glass. T=4mm
- REFLECTOR** | Optical Reflector efficiency≥90%
- LED** | OSRAM or NICHIA
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Tooling shaped seal
- POWER CABLE** | 24V: H05RN-F 2×1.0mm<sup>2</sup> L=2M(Single)  
100/240V: H05RN-F 3×1.0mm<sup>2</sup> L=2M(Single)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>C3PFM1257 U</b>	12×1.5W	C9	45° 35°	24V DC	24V = 1051	24V = 25	Cool White = 1355 Warm White = 1206	08
				120V/240	120V = 143	120V = 18		
					240V = 79	240V = 18		

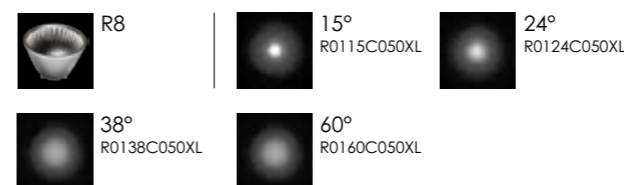
**PHOTOMETRIC CURVES**



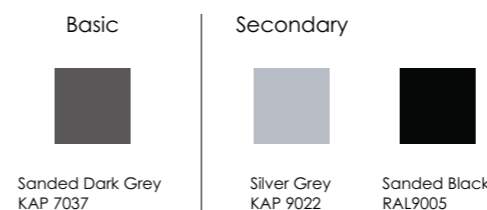
**LED COLOUR TEMPERATURE**

3000K · 6000K

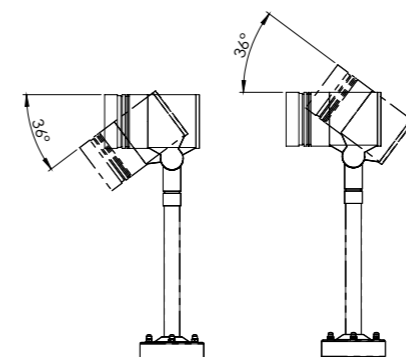
**OPTICS**



**HOUSING COLOR OPTION**



**ADJUSTABLE BEAM DIRECTION**

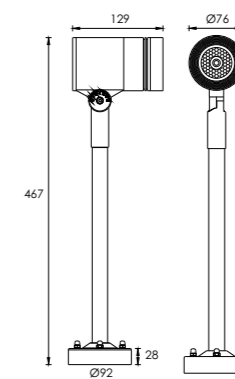


**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | Tempered glass. T=4mm
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- LED** | NICHIA
- LENS** | Optical lens. efficiency≥85%
- POWER CABLE** | H05RN-F 2×1.0mm<sup>2</sup> L=2.0m(low voltage)  
H05RN-F 3×1.0mm<sup>2</sup> L=2.0m(high voltage)
- OPERATING TEMPERATURE** | -20°C~40°C
- MOUNTING BASE** | Powder coated die-casting aluminum

**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm

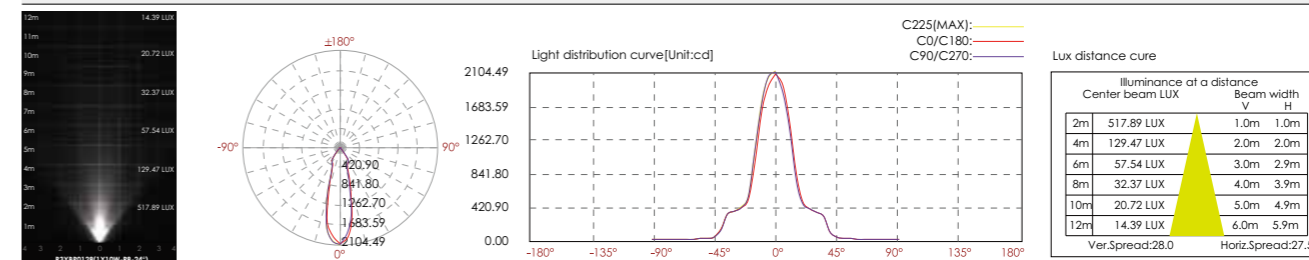


Remark:  
•Standard pole length of this item is 500mm, 250mm, 100mm.  
•Customized length is available.

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R3XBP0128</b>	1×10W COB	R8	24°	24V DC	24V = 480	24V = 11.5	Cool White = 1050 Warm White = 956	07
				120V/240	120V = 107	120V = 12.6		
					240V = 60	240V = 12.6		

**PHOTOMETRIC CURVES**

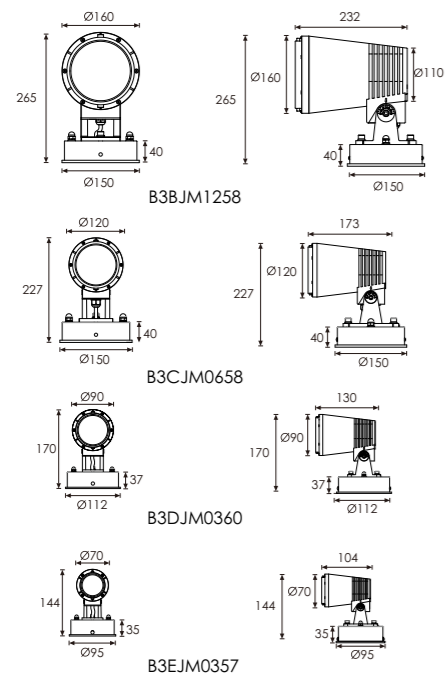




**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

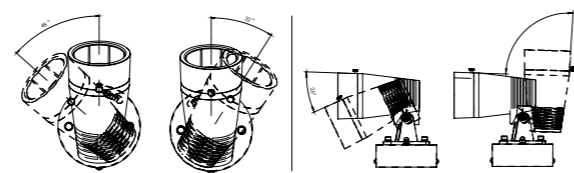
**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | Tempered glass. T=3mm
- LED** | NICHIA
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Tooling shaped seal
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.3 m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.3 m (high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

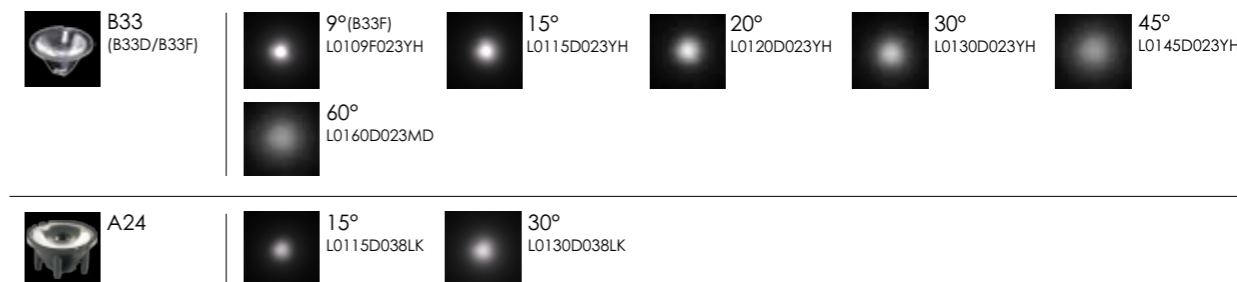
**ADJUSTABLE BEAM DIRECTION**



**HOUSING COLOR OPTION**



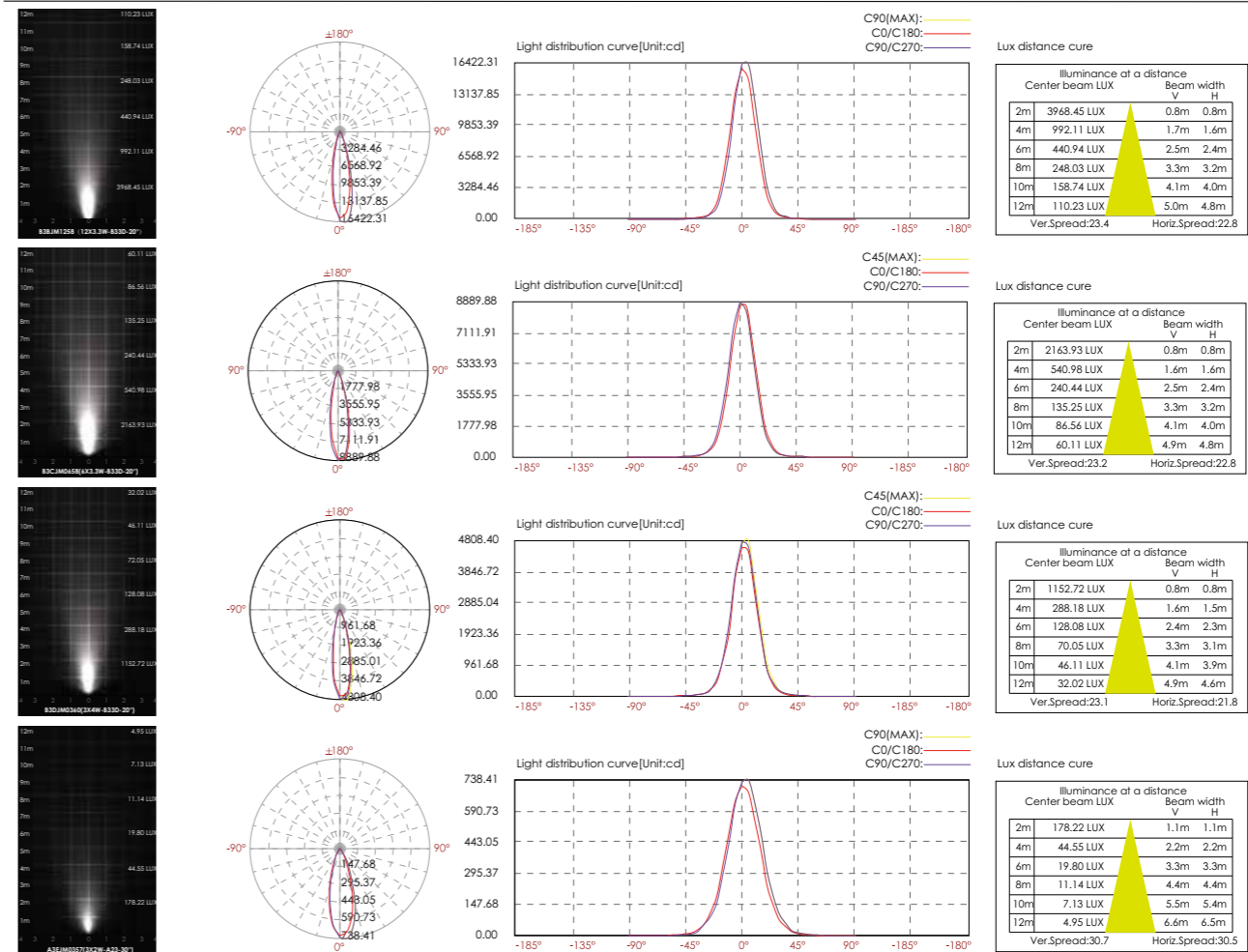
**OPTICS**



**TECHNICAL DATA**

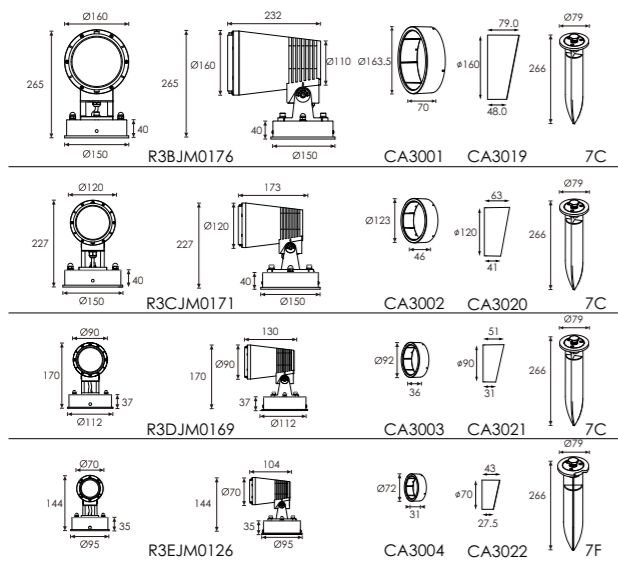
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B3BJM1258</b>	12×3.3W	B33D	20°	120/240V	120V = 366 240V = 186	120V = 44.2 240V = 44	Cool White = 4035 Warm White = 3431	06
<b>B3CJM0658</b>	6×3.3W	B33D	20°	120/240	120V = 196 240V = 101	120V = 23.1 240V = 23.3	Cool White = 2017 Warm White = 1855	06
<b>B3DJM0360</b>	3×4W	B33D	20°	120/240	120V = 118 240V = 65	120V = 14.5 240V = 15.1	Cool White = 1230 Warm White = 1018	06
<b>B3EJM0357</b>	3×2W	A24	30°	24V DC 120/240	24V = 300 120V = 110 240V = 65	24V = 7.2 120V = 8.3 240V = 8.5	Cool White = 560 Warm White = 518	05

**PHOTOMETRIC CURVES**





**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



**MATERIAL SPECIFICATIONS**

- HOUSING** | 12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | Tempered glass. T=3mm
- REFLECTOR** | Optical Reflector efficiency ≥ 90%
- LED** | NICHIA
- LED DRIVER** | Constant Voltage input, Constant Current Output
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Tooling shaped seal
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.3m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.3m (high voltage)

**HOUSING COLOR OPTION**



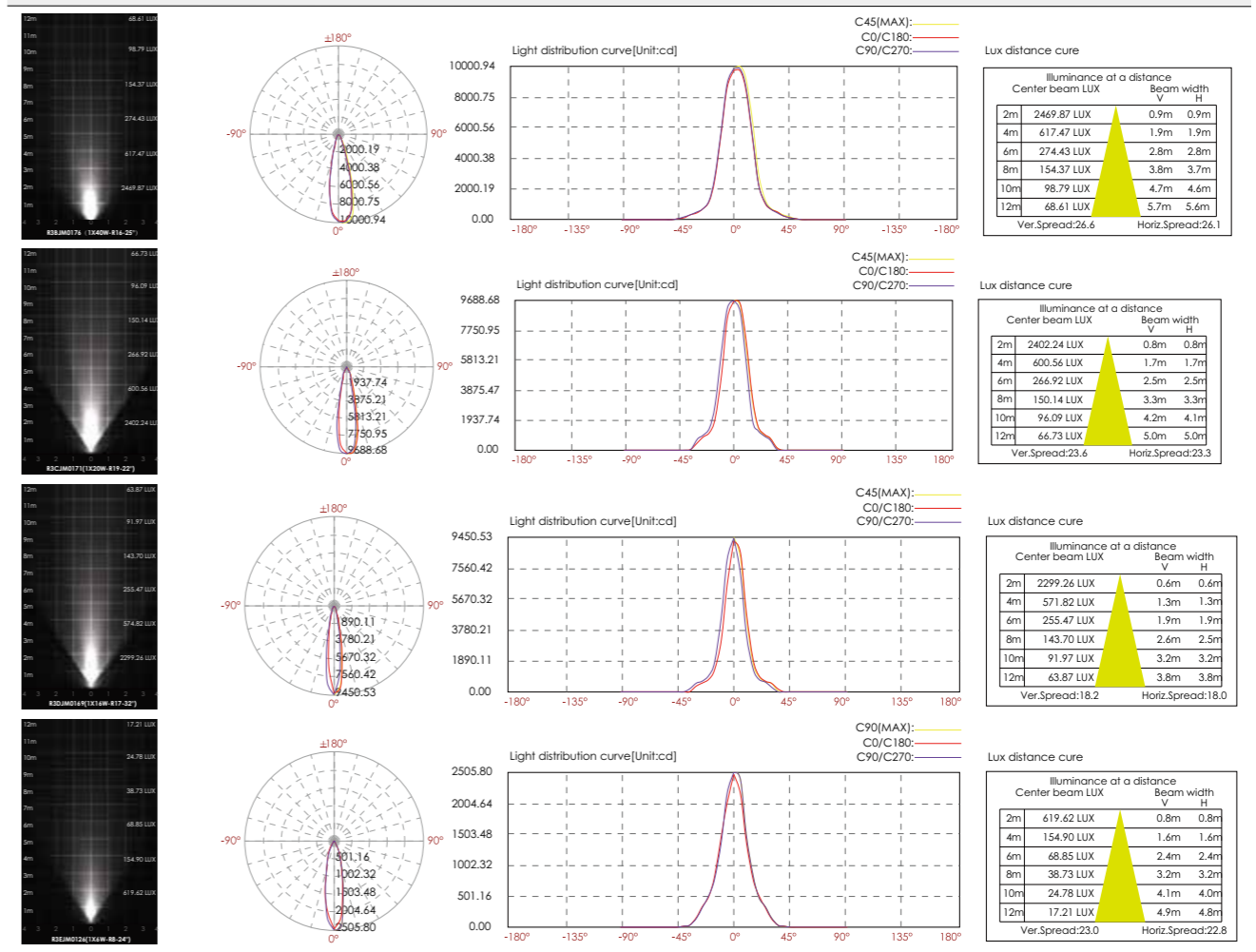
**OPTICS**

R8	15° R0115C050XL	24° R0124C050XL	38° R0138C050XL	60° R0160C050XL
R16	12° R0112C110XL	25° R0125C110XL	38° R0138C110XL	
R17	12° R0112C069XL	18° R0118C069XL	32° R0132C069XL	
R19	10° R0110C095XL	22° R0122C095XL	38° R0138C095XL	

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R3BJM0176</b>	1×40W COB	R16	25°	120/240V	120V = 372 240V = 187	120V = 44.8 240V = 44.5	Cool White = 3338 Warm White = 2949	06
<b>R3CJM0171</b>	1×20W COB	R19	22°	24V DC 120/240	24V = 960 120V = 205 240V = 108	24V = 23 120V = 23.5 240V = 24.2	Cool White = 1753 Warm White = 1543	06
<b>R3DJM0169</b>	1×16W COB	R17	32°	24V DC 120/240	24V = 700 120V = 145 240V = 80	24V = 17 120V = 17 240V = 17	Cool White = 1315 Warm White = 1225	06
<b>R3EJM0126</b>	1×6W COB	R8	24°	24V DC 120/240	24V = 320 120V = 65 240V = 37	24V = 7.5 120V = 7.7 240V = 7.8	Cool White = 730 Warm White = 646	05

**PHOTOMETRIC CURVES**





FEATURES



ACCESSORIES OPTION : SPIKE



ACCESSORIES OPTION : HOOD



# RECESSED SWIMMING POOL LIGHT



200



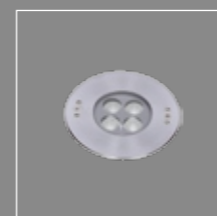
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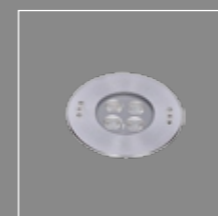
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204



206



208



210



212



214



216



218



220



222

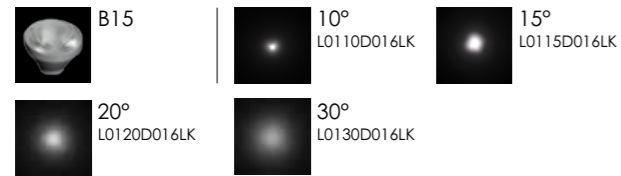


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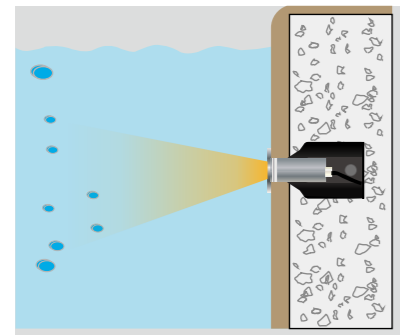
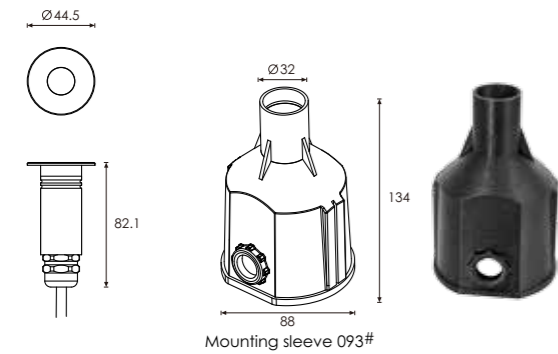
**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**OPTICS**



**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



•Water must be allowed to go inside and outside sleeve freely without leaking to the other side.  
•Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.

**MATERIAL SPECIFICATIONS**

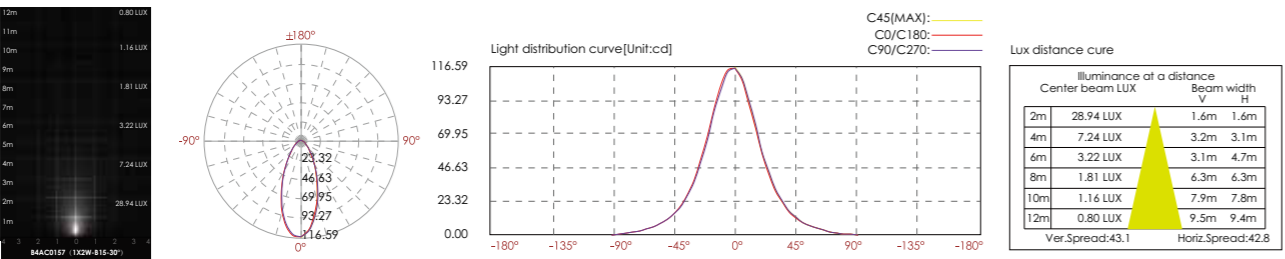
- FRONT COVER & HOUSING** | Molding shaped sus 316L# stainless steel housing
- GASKET** | EPDM gasket
- LIGHT WINDOW** | Step tempered glass, T=4mm
- LENS** | Optical lens, efficiency≥85%
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- PCB** | Excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth
- POWER CABLE** | H07RN-F 2X1.0mm L=3m
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B4AC0157</b>	1×2W Single color	B15	30°	24V DC	87	2	Cool White = 102 Warm White = 94	03

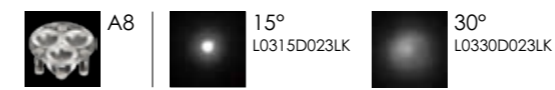
**PHOTOMETRIC CURVES**



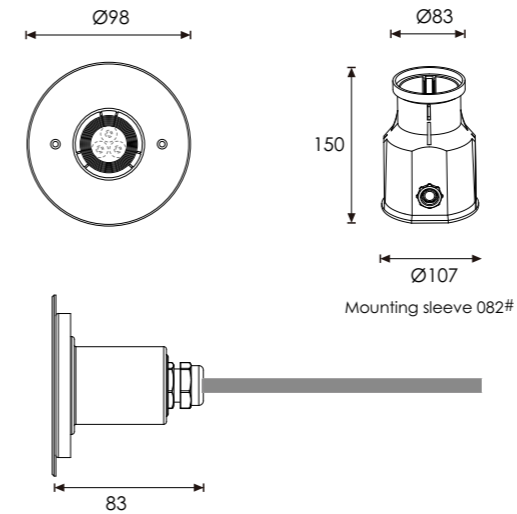
**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**OPTICS**

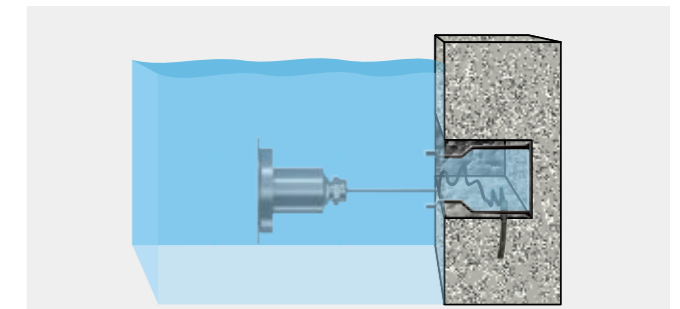


**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



**MATERIAL SPECIFICATIONS**

- FRONT COVER & HOUSING** | Hard chromeplated molding shaped SUS 316L# stainless steel housing
- GASKET** | EPDM gasket
- LIGHT WINDOW** | Step tempered glass, T=8mm
- LENS** | All-in-one optical lens, efficiency≥85%
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- PCB** | Excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth
- POWER CABLE** | H07RN-F 2X1.0mm L=3m
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

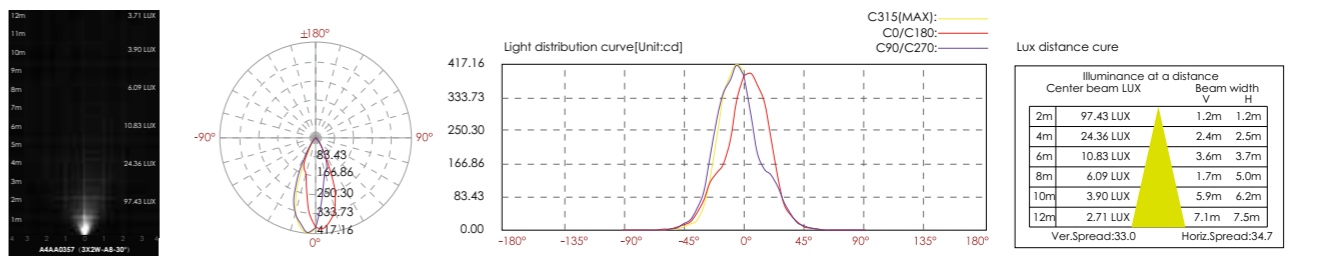


•Water must be allowed to go inside and outside sleeve freely without leaking to the other side.  
•Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>A4AA0357</b>	3×2W Single color	A8	30°	24V DC	245	5.9	Cool White = 466 Warm White = 383	07

**PHOTOMETRIC CURVES**





**OPTICS**

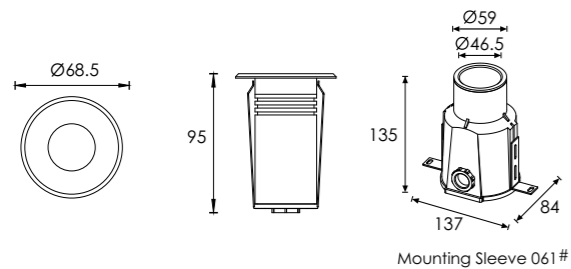


**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm



Mounting Sleeve 061#

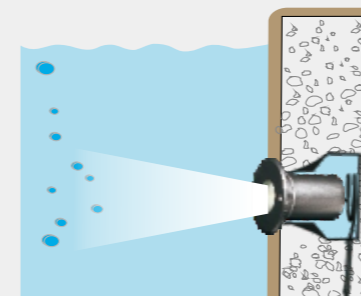
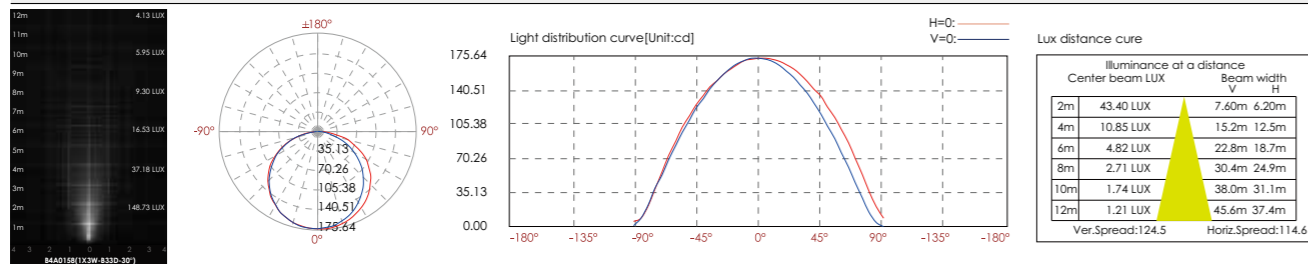
**MATERIAL SPECIFICATIONS**

- FRONT COVER & HOUSING** | Hard chromeplated molding shaped stainless steel SUS 316#
- LIGHT WINDOW** | Step tempered glass.T=7mm
- GASKET** | Silicone Gasket
- LENS** | Optical lens,efficiency≥85%
- PCB** | Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm2 L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth.
- MOUNTING SLEEVE** | 061# ABS
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B4A0158</b>	1×3W	B33D	30°	24V DC	110	2.6	Cool White = 174 Warm White = 139	06

**PHOTOMETRIC CURVES**



- Water must be allowed to go inside and outside sleeve freely without leaking to the other side.
- Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.



OPTICS



LED COLOUR TEMPERATURE

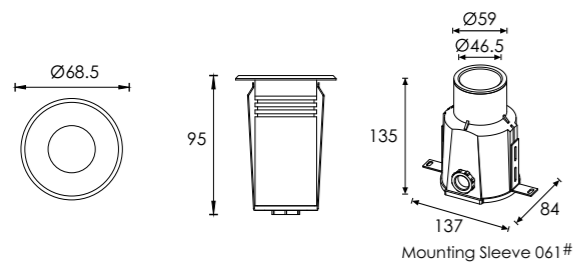
2000K · 3000K · 6000K

MATERIAL SPECIFICATIONS

- FRONT COVER & HOUSING** | Hard chrome plated molding shaped stainless steel SUS 316#
- LIGHT WINDOW** | 1 Step tempered glass, T=7mm
- GASKET** | 1 Silicone Gasket
- LENS** | 1 Optical lens, efficiency ≥ 85%
- PCB** | Excellent heat conductivity aluminum, coefficient of heat Conductivity 2.0w/mk
- LED DRIVER** | 1 Constant Voltage Input, Constant Current Output
- POWER CABLE** | 1 H07RN-F 2X1.0mm<sup>2</sup> L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth
- MOUNTING SLEEVE** | 1 061# ABS
- DIMMABLE SUPPORT** | 1 Triac PWM 1-10V Dali

OUTER DIMENSIONS & ACCESSORIES

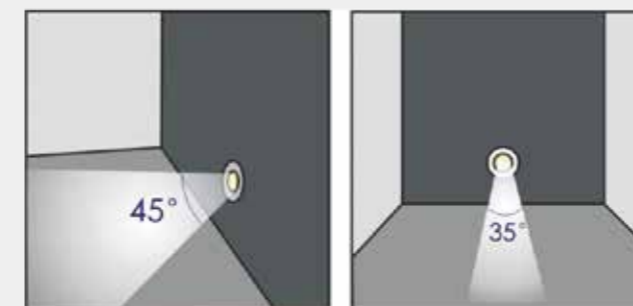
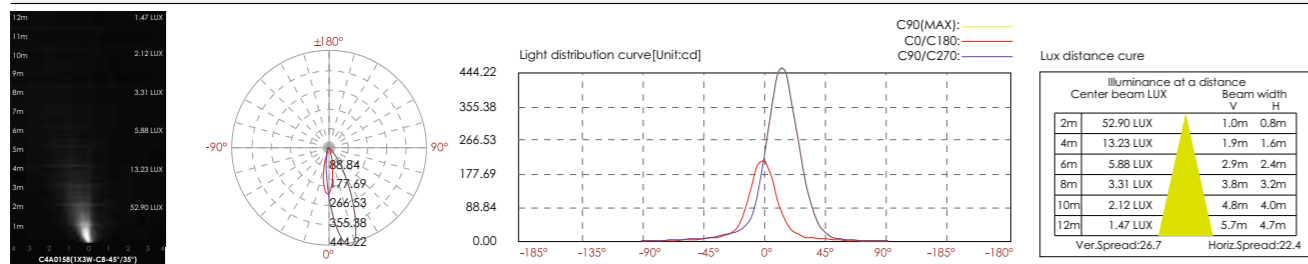
Unit:mm



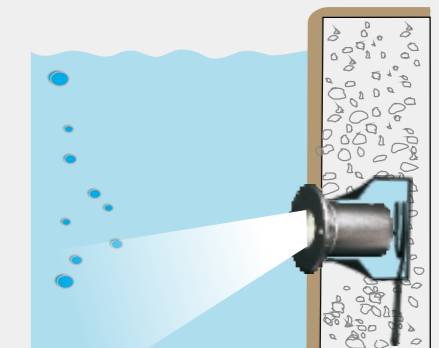
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
C4A0158	1×3W	C9	45°/35°	24V DC	110	2.6	Cool White = 143 Warm White = 115	06

PHOTOMETRIC CURVES



Impression drawing of C4A0158



- Water must be allowed to go inside and outside sleeve freely without leaking to the other side.
- Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.



Overheat Sensor Inside

**OPTICS**



**LED COLOUR TEMPERATURE**

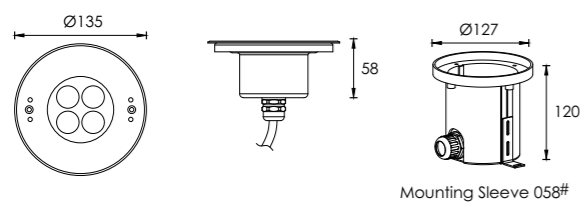
2000K · 3000K · 6000K

**MATERIAL SPECIFICATIONS**

- FRONT COVER & HOUSING** | Molding shaped hard chromeplated stainless steel SUS 316L#
- LIGHT WINDOW** | Step tempered glass.T=8mm
- GASKET** | Silicone gasket
- PCB** | Excellent heat conductivity aluminum.coefficient of heatConductivity≥2.0w/mk
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm2 L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- MOUNTING SLEEVE** | 058# ABS
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dalı

**OUTER DIMENSIONS & ACCESSORIES**

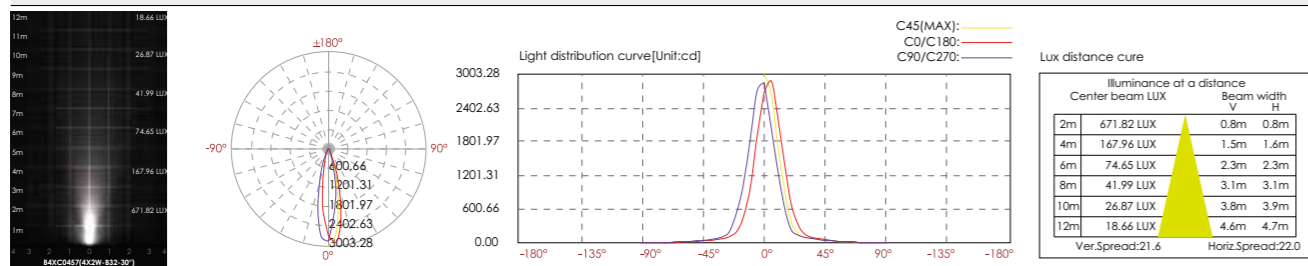
Unit:mm



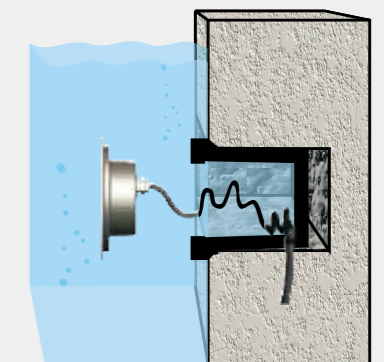
**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B4XC0457</b>	4×2W	B32	30°	24V DC	371	8.9	Cool White = 467 Warm White = 415	08

**PHOTOMETRIC CURVES**



Built-in Radiator



- Water must be allowed to go inside and outside sleeve freely without leaking to the other side.
- Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.





Overheat Sensor Inside

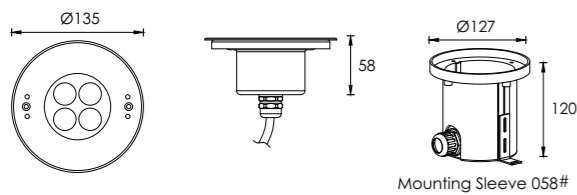
**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**OPTICS**



**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



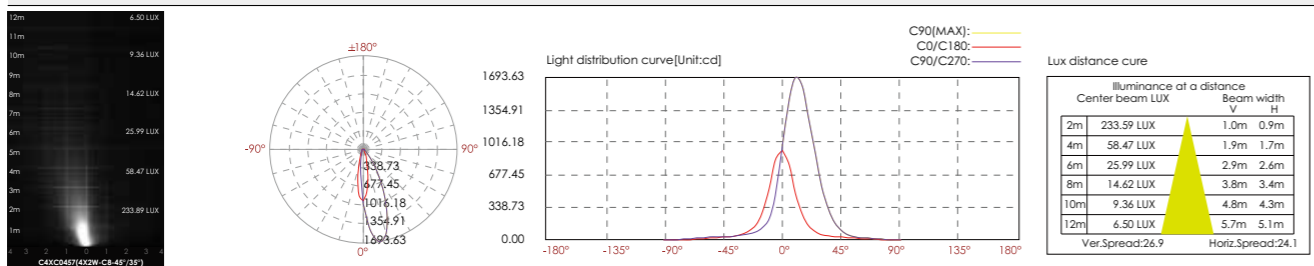
**MATERIAL SPECIFICATIONS**

- FRONT COVER & HOUSING** | Hard chromeplated molding shaped stainless steel SUS 316L#
- LIGHT WINDOW** | Step tempered glass,T=8mm
- GASKET** | Silicone gasket
- PCB** | Excellent heat conductivity aluminum.coefficient of heatConductivity≥2.0w/mk
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm2 L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- MOUNTING SLEEVE** | 058# ABS
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

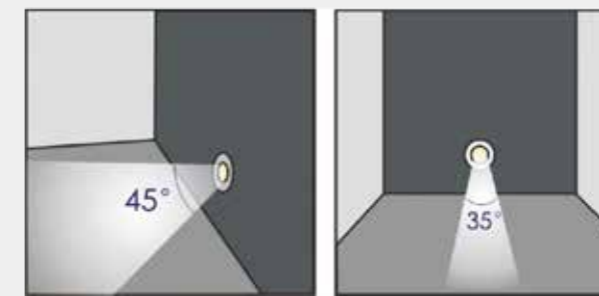
**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
C4XC0457	4×2W	C8	45°/35°	24V DC	371	8.9	Cool White = 511 Warm White = 450	08

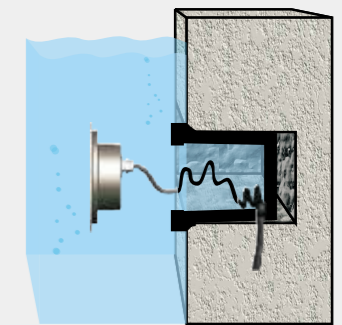
**PHOTOMETRIC CURVES**



Built-in Radiator



Impression drawing of C4A0158



•Water must be allowed to go inside and outside sleeve freely without leaking to the other side.  
•Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.



Overheat Sensor Inside

**OPTICS**



**LED COLOUR TEMPERATURE**

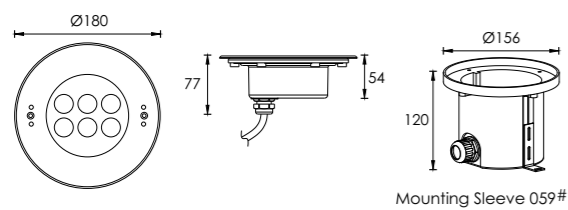
2000K · 3000K · 6000K

**MATERIAL SPECIFICATIONS**

- FRONT COVER & HOUSING** | Molding shaped hard chromeplated stainless steel SUS 316L#
- LIGHT WINDOW** | Step tempered glass.T=8mm
- GASKET** | Silicone gasket
- PCB** | Excellent heat conductivity aluminum.coefficient of heatConductivity≥2.0w/mk
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- LED DRIVER** | Constant Voltage Input.Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm<sup>2</sup> L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- MOUNTING SLEEVE** | 059# ABS
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm

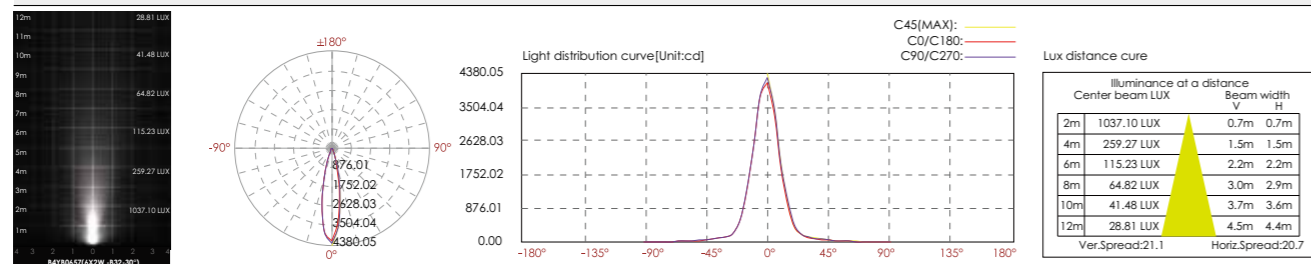


Mounting Sleeve 059#

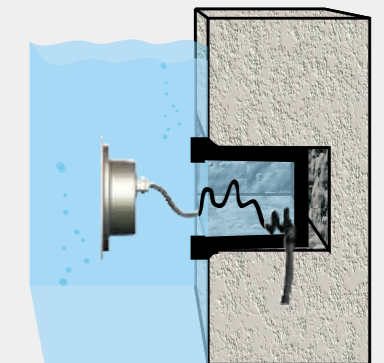
**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B4YB0657</b>	6×2W	B32	30°	24V DC	700	16.8	Cool White = 754 Warm White = 656	08

**PHOTOMETRIC CURVES**



Built-in Radiator



- Water must be allowed to go inside and outside sleeve freely without leaking to the other side.
- Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.





Overheat Sensor Inside

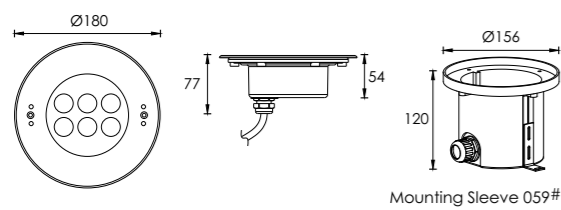
**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**OPTICS**



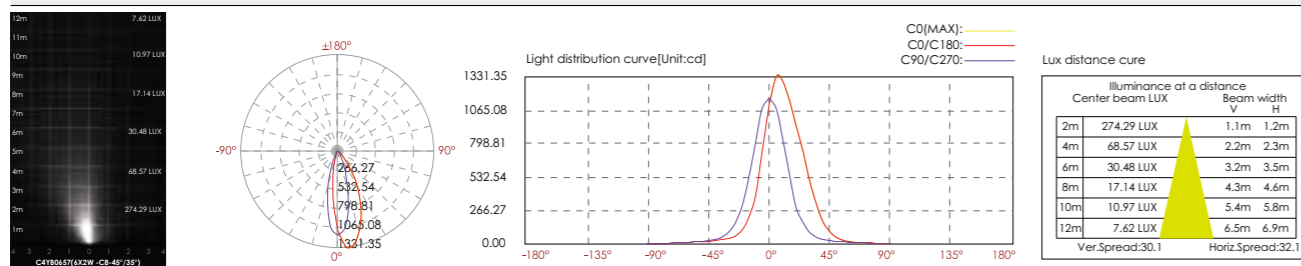
**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>C4YB0657</b>	6×2W	C8	45° 35°	24V DC	700	16.8	Cool White = 853 Warm White = 682	08

**PHOTOMETRIC CURVES**

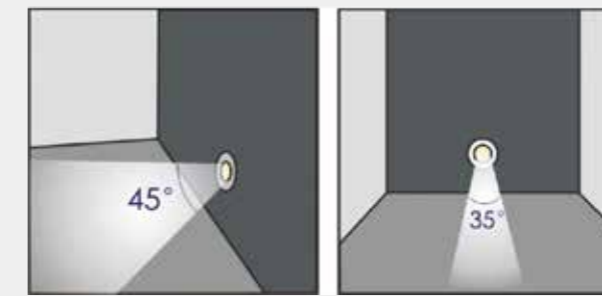


**MATERIAL SPECIFICATIONS**

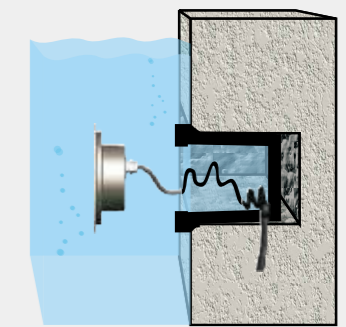
- FRONT COVER & HOUSING** | Molding shaped hard chromeplated stainless steel SUS 316L#
- LIGHT WINDOW** | Step tempered glass.T=8mm
- GASKET** | Silicone gasket
- PCB** | Excellent heat conductivity aluminum.coefficient of heatConductivity≥2.0w/mk
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm2 L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- MOUNTING SLEEVE** | 059# ABS
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali



Built-in Radiator



Impression drawing of C4A0158



- Water must be allowed to go inside and outside sleeve freely without leaking to the other side.
- Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.



Overheat Sensor Inside

**OPTICS**



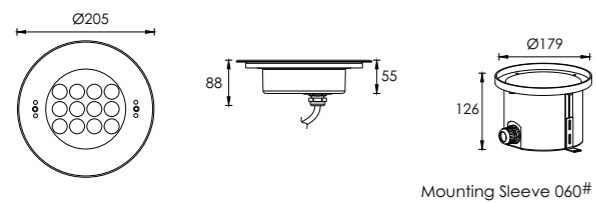
**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**MATERIAL SPECIFICATIONS**

- FRONT COVER & HOUSING** | Molding shaped hard chromeplated stainless steel SUS 316L#
- LIGHT WINDOW** | Step tempered glass.T=10mm
- GASKET** | Silicone Gasket
- LENS** | All-in-one Optical lens,efficiency≥85%
- PCB** | Excellent heat conductivity aluminum,coefficient of heatConductivity≥2.0w/mk
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm2 L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth.
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- MOUNTING SLEEVE** | ABS 060#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

**OUTER DIMENSIONS & ACCESSORIES** Unit:mm

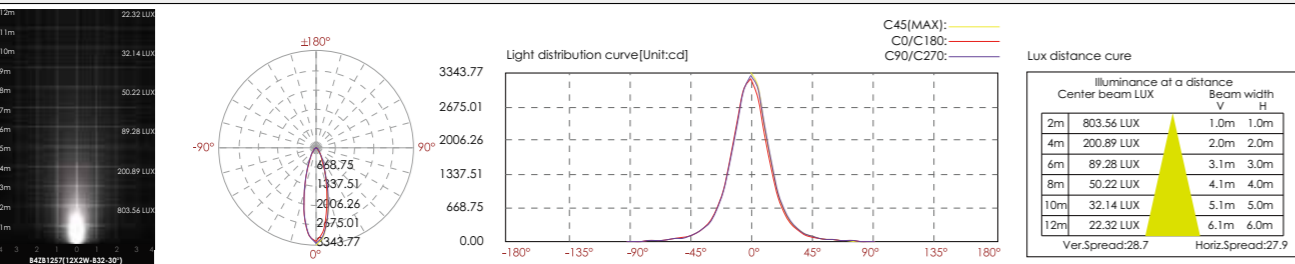


Mounting Sleeve 060#

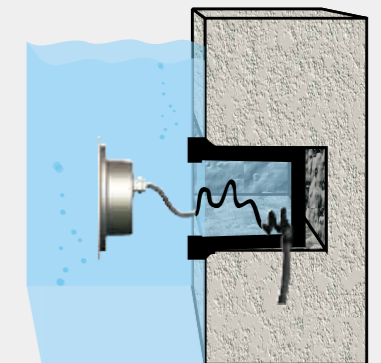
**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B4ZB1257</b>	12×2W Single color	B32	30°	24V DC	1200	28.8	Cool White = 1361 Warm White = 1156	08

**PHOTOMETRIC CURVES**



Built-in Radiator



- Water must be allowed to go inside and outside sleeve freely without leaking to the other side.
- Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.





Overheat Sensor Inside



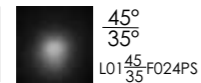
**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**OPTICS**



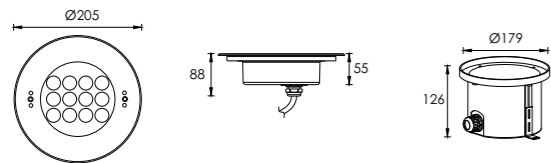
C8



L01:45° F024PS

**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm



Mounting Sleeve 060#

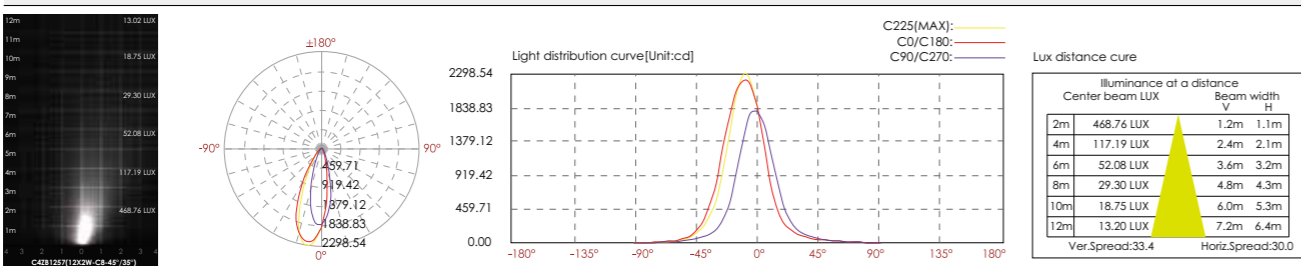
**MATERIAL SPECIFICATIONS**

- FRONT COVER & HOUSING** | Molding shaped hard chromeplated stainless steel SUS 316#
- LIGHT WINDOW** | Step tempered glass.T=10mm
- GASKET** | Silicone Gasket
- PCB** | Excellent heat conductivity aluminum.coefficient of heatConductivity≥2.0w/mk
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm2 L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- MOUNTING SLEEVE** | ABS 060#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

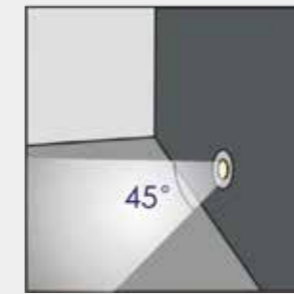
**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
C4ZB1257	12×2W Single color	C8	45° 35°	24V DC	1200	28.8	Cool White = 1569 Warm White = 1236	08

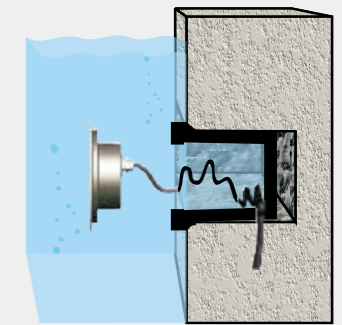
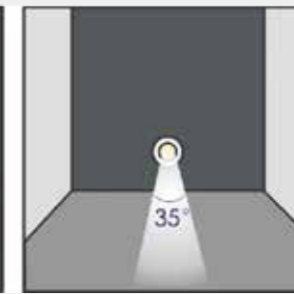
**PHOTOMETRIC CURVES**



Built-in Radiator



Impression drawing of C4A0158



- Water must be allowed to go inside and outside sleeve freely without leaking to the other side.
- Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.



Overheat Sensor Inside

**OPTICS**



**LED COLOUR TEMPERATURE**

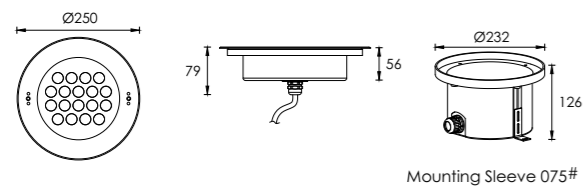
2000K · 3000K · 6000K

**MATERIAL SPECIFICATIONS**

- FRONT COVER & HOUSING** | Molding shaped hard chrome plated stainless steel SUS 316L#
- LIGHT WINDOW** | Step tempered glass.T=10mm
- GASKET** | Silicone Gasket
- LENS** | Optical lens,efficiency≥85%
- GLASS PRESSURE CAPACITY** | Excellent heat conductivity aluminum coefficient of heatConductivity≥2.0w/mk
- PCB** | Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm2 L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- MOUNTING SLEEVE** | ABS 075#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm

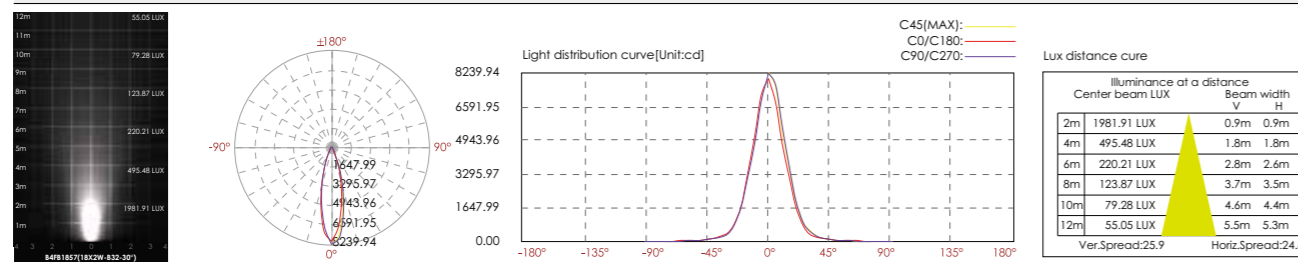


Mounting Sleeve 075#

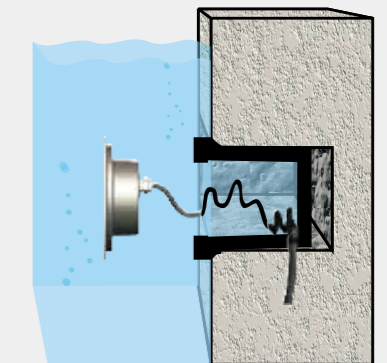
**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B4FB1857</b>	18×2W	B32	30°	24V DC	1900	45.6	Cool White = 2221 Warm White = 1828	10

**PHOTOMETRIC CURVES**



Built-in Radiator



- Water must be allowed to go inside and outside sleeve freely without leaking to the other side.
- Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.





Overheat Sensor Inside

**LED COLOUR TEMPERATURE**

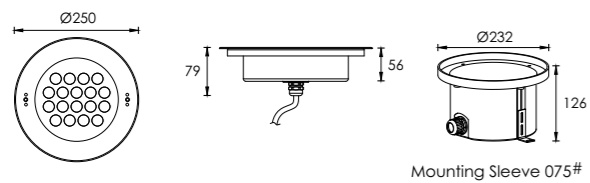
2000K · 3000K · 6000K

**OPTICS**



**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm



Mounting Sleeve 075#

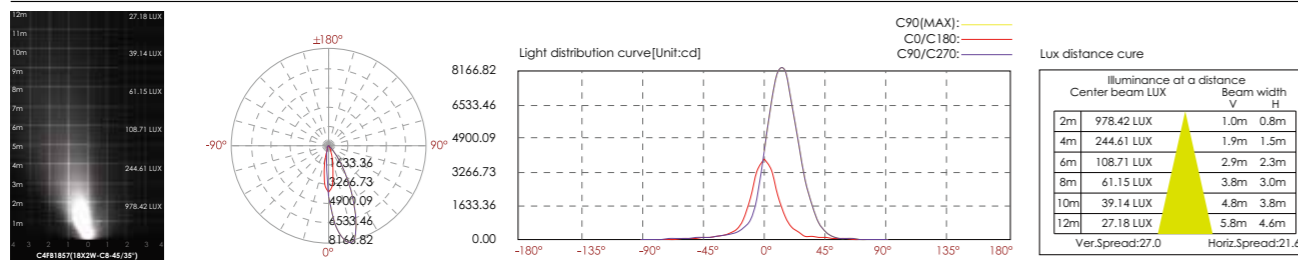
**MATERIAL SPECIFICATIONS**

- FRONT COVER & HOUSING** | Molding shaped hard chromeplated stainless steel SUS 316L#
- LIGHT WINDOW** | Step tempered glass,T=10mm
- GASKET** | Silicone Gasket
- LENS** | Optical lens,efficiency≥85%
- GLASS PRESSURE CAPACITY** | Excellent heat conductivity aluminum.coefficient of heatConductivity≥2.0w/mk
- PCB** | Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm2 L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth.
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- MOUNTING SLEEVE** | ABS 075#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

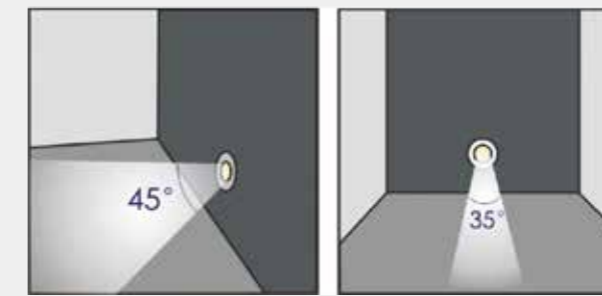
**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
<b>C4FB1857</b>	18×2W Single color	C8	45° 35°	24V DC	1900	45.6	Cool White = 2532 Warm White = 2114

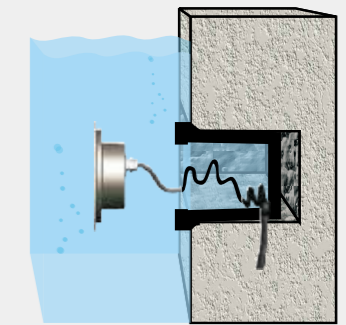
**PHOTOMETRIC CURVES**



Built-in Radiator



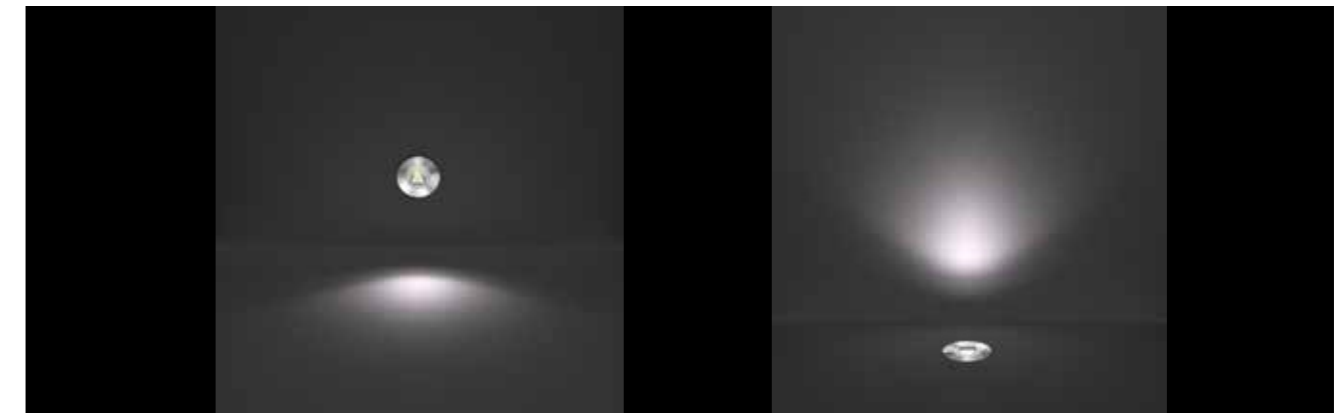
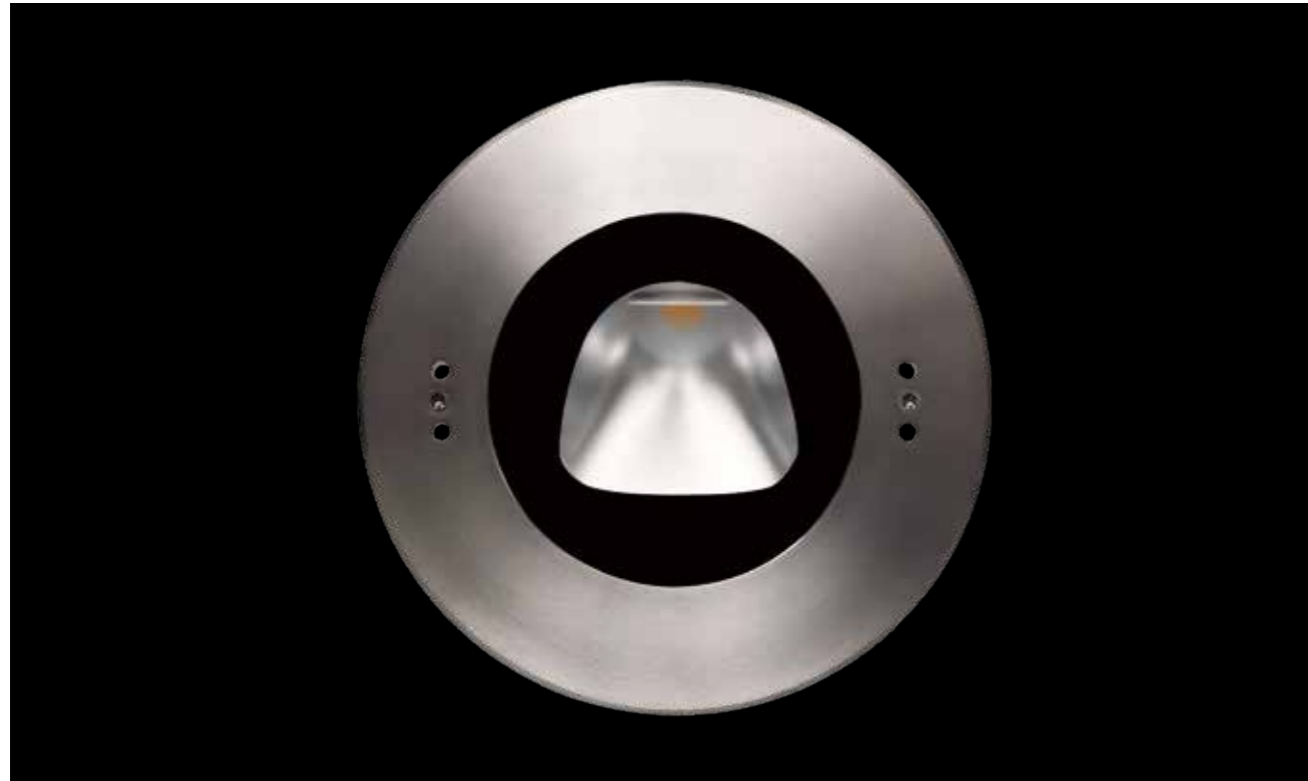
Impression drawing of C4A0158



•Water must be allowed to go inside and outside sleeve freely without leaking to the other side.  
•Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.

# Asymmetrical Wall Recessed LED Pool Light

Housing and accessories are made of Stainless Steel SUS 316L#



Above diagram effect shows a real simulation based on IES result and optical testing basis



## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS



R22  
R01<sup>55</sup>/<sub>23</sub> C111LD

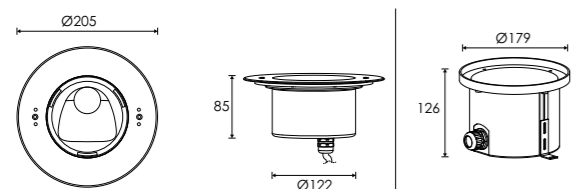
## R22



49°  
46°

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



ABS 060# Mounting sleeve

## MATERIAL SPECIFICATIONS

<b>Front cover &amp; Housing</b>	Hard chromeplated molding shaped stainless steel SUS 316L
<b>Light Window</b>	Step tempered glass.T=10mm
<b>Gasket</b>	Silicone gasket
<b>Reflector</b>	Optical Reflector efficiency≥90%
<b>LED</b>	COB LED
<b>LED Driver</b>	Constant Voltage Input,Constant Current Output
<b>Power Cable</b>	H07RN-F 2X1.0mm <sup>2</sup> L=3.0m(for single color)
<b>Application environment</b>	Temperature of water between -20°C~40°C less than 1 meter depth.
<b>Cable gland</b>	PG-11 copper with nickel-coated
<b>Mounting sleeve</b>	ABS 060#

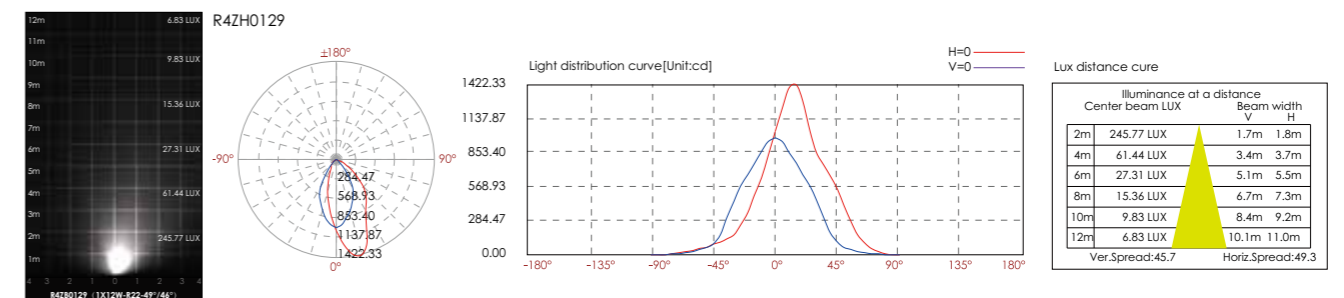
## IP68 Water Proof Connector Box



## TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree (°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
<b>R4ZH0129</b>	1×12W	R22	49° 46°	24V DC	520	12.5	1194	08

## PHOTOMETRIC CURVES



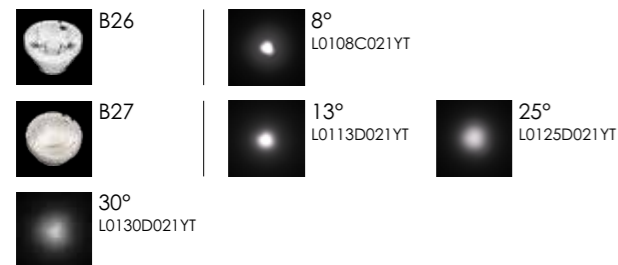


Overheat Sensor Inside

**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

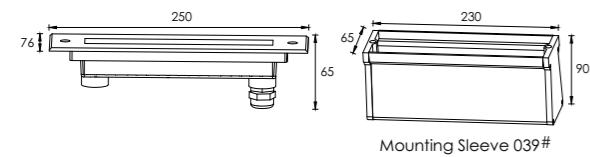
**OPTICS**



**MATERIAL SPECIFICATIONS**

- FRONT COVER & HOUSING** | Hard chromeplated molding shaped stainless steel SUS 316#
- FRONT PLATE** | Hard chromeplated stainless steel SUS 316L#
- LIGHT WINDOW** | Step tempered glass, T=9mm
- GASKET** | Silicone Gasket
- LENS** | Optical lens, efficiency ≥ 85%
- PCB** | Excellent heat conductivity aluminum, coefficient of heat Conductivity ≥ 2.0w/mk
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm<sup>2</sup> L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth.
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- MOUNTING SLEEVE** | ABS 039#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

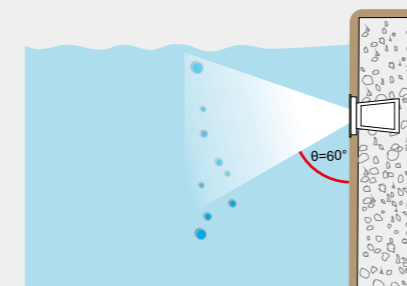
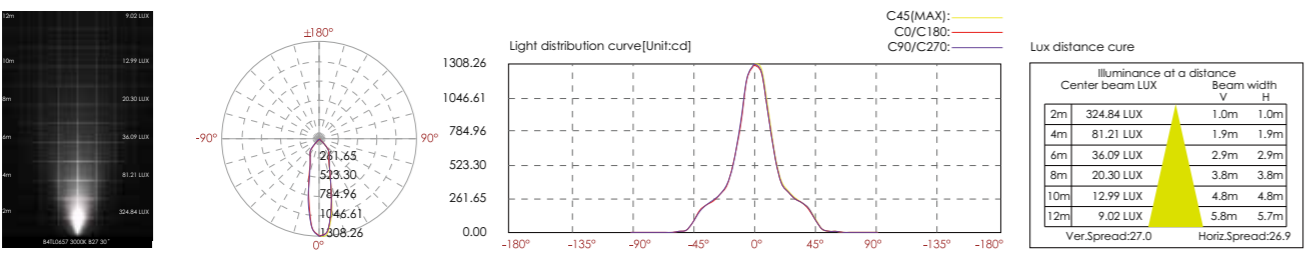
**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B4TL0657	6×2W	B27	30°	24V DC	500	12	Cool White = 808 Warm White = 688	08

**PHOTOMETRIC CURVES**



- Water must be allowed to go inside and outside sleeve freely without leaking to the other side.
- Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.

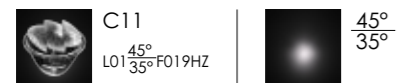


Overheat Sensor Inside

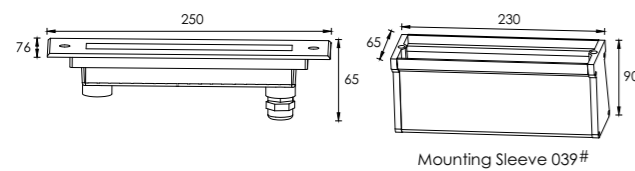
**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**OPTICS**



**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



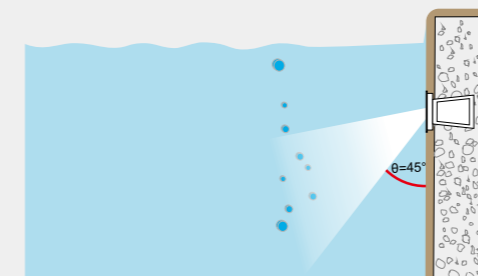
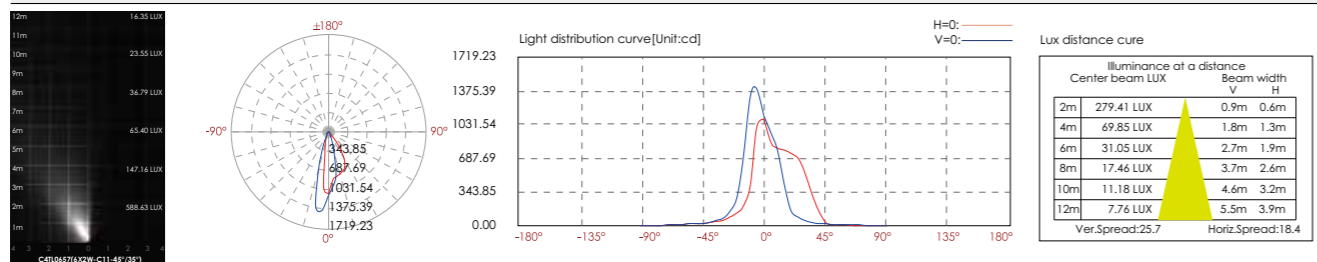
**MATERIAL SPECIFICATIONS**

- FRONT COVER & HOUSING** | Hard chromeplated molding shaped stainless steel SUS 316#
- FRONT PLATE** | Hard chromeplated stainless steel SUS 316L#
- LIGHT WINDOW** | Step tempered glass,T=9mm
- GASKET** | Silicone Gasket
- LENS** | Asymmetrical optical lens,efficiency≥85%
- PCB** | Excellent heat conductivity aluminum,coefficient of heat Conductivity≥2.0w/mk
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm2 L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- MOUNTING SLEEVE** | ABS 039#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
C4TL0657	6×2W	C11	45° 35°	24V DC	500	12	Cool White = 757 Warm White = 656	08

**PHOTOMETRIC CURVES**



- Water must be allowed to go inside and outside sleeve freely without leaking to the other side.
- **Warning** : Must be installed under the water to prevent the light from being burnt off because of over-heating.



# Symmetrical Wall Recessed LED Pool Light

Housing and accessories are completely Hard chromeplated Stainless Steel SUS 316L #



## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OPTICS



B26  
L0108C021YT 8°



B27  
L0113D021YT 13°  
L0125D021YT 25°  
L0130D021YT 30°

B26



8°

B27



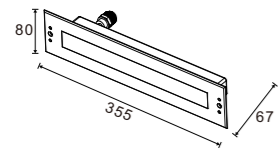
13°

25°

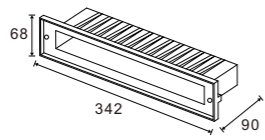
30°

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



B4QA0658



101# Mounting sleeve

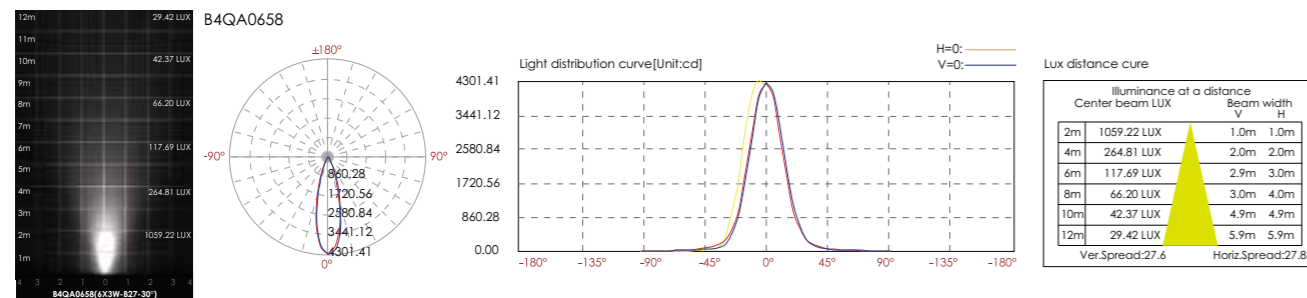
## MATERIAL SPECIFICATIONS

Front cover & Housing	Hard chromeplated molding shaped stainless steel sus 316L#
Light Windw	PC
Gasket	Silicone gasket
Lens	Optical lens. efficiency≥85%
PCB	Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
LED Driver	Constant Voltage Input,Constant Current Output
Power Cable	H05RN-F 2X1.0mm <sup>2</sup> L=3.0m(for single color)
Application environment	Temperature of water between -20°C~40°C less than 1 meter depth.
Cable gland	IP68 PG-9 copper with nickel-coated
Mounting sleeve	ABS 101#
Dimmable Support	Triac PWM 1-10V Dali

## TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
B4QA0658	6×3W NICHIA	B27	30°	24V DC	950	22.8	Cool white =1578 Warm white =1324	10

## PHOTOMETRIC CURVES



# Asymmetrical Wall Recessed LED Pool Light

Housing and accessories are completely Hard chromeplated Stainless Steel SUS 316L #



## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OPTICS



C11  
L0145°  
35°FO19HZ

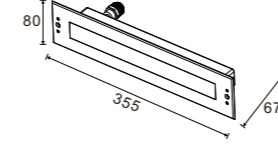
C11



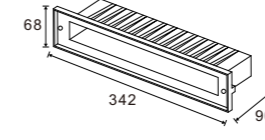
45°  
35°

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



C4QA0658



101# Mounting sleeve

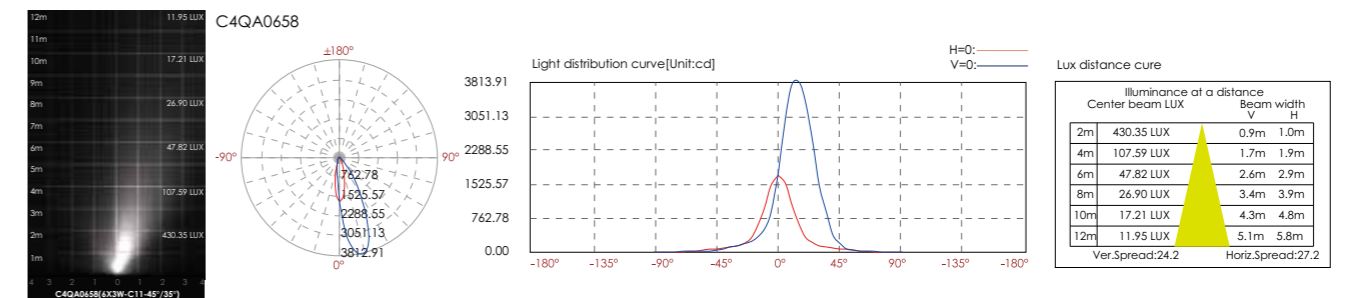
## MATERIAL SPECIFICATIONS

Front cover & Housing	Hard chromeplated molding shaped stainless steel sus 316L#
Light Windw	PC
Gasket	Silicone gasket
Lens	Optical lens. efficiency≥85%
PCB	Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
LED Driver	Constant Voltage Input,Constant Current Output
Power Cable	H05RN-F 2X1.0mm <sup>2</sup> L=3.0m(for single color)
Application environment	Temperature of water between -20°C~40°C less than 1 meter depth.
Cable gland	IP68 PG-9 copper with nickel-coated
Mounting sleeve	ABS 101#
Dimmable Support	Triac PWM 1-10V Dali

## TECHNICAL DATA

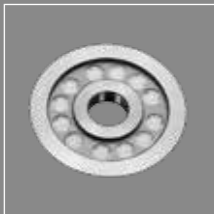
Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
C4QA0658	6×3W NICHIA	C11	45° 35°	24V DC	950	22.8	Cool white =1280 Warm white =1102	

## PHOTOMETRIC CURVES



# RECESSED SWIMMING POOL LIGHT

Fountain Light



228



230



232



234



236



Overheat Sensor Inside  2.7KG

**OPTICS**



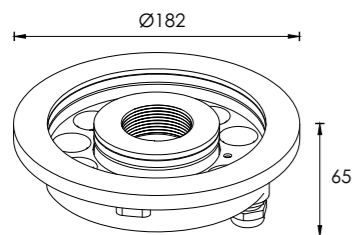
**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**MATERIAL SPECIFICATIONS**

- HOUSING** | Hard chrome plated molding shaped stainless steel SUS 316#
- LIGHT WINDOW** | Step tempered glass.T=10mm
- GASKET** | Silicone gasket
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- PCB** | Excellent heat conductivity aluminum,coefficient of heat Conductivity≥2.0w/mk
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm2 L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

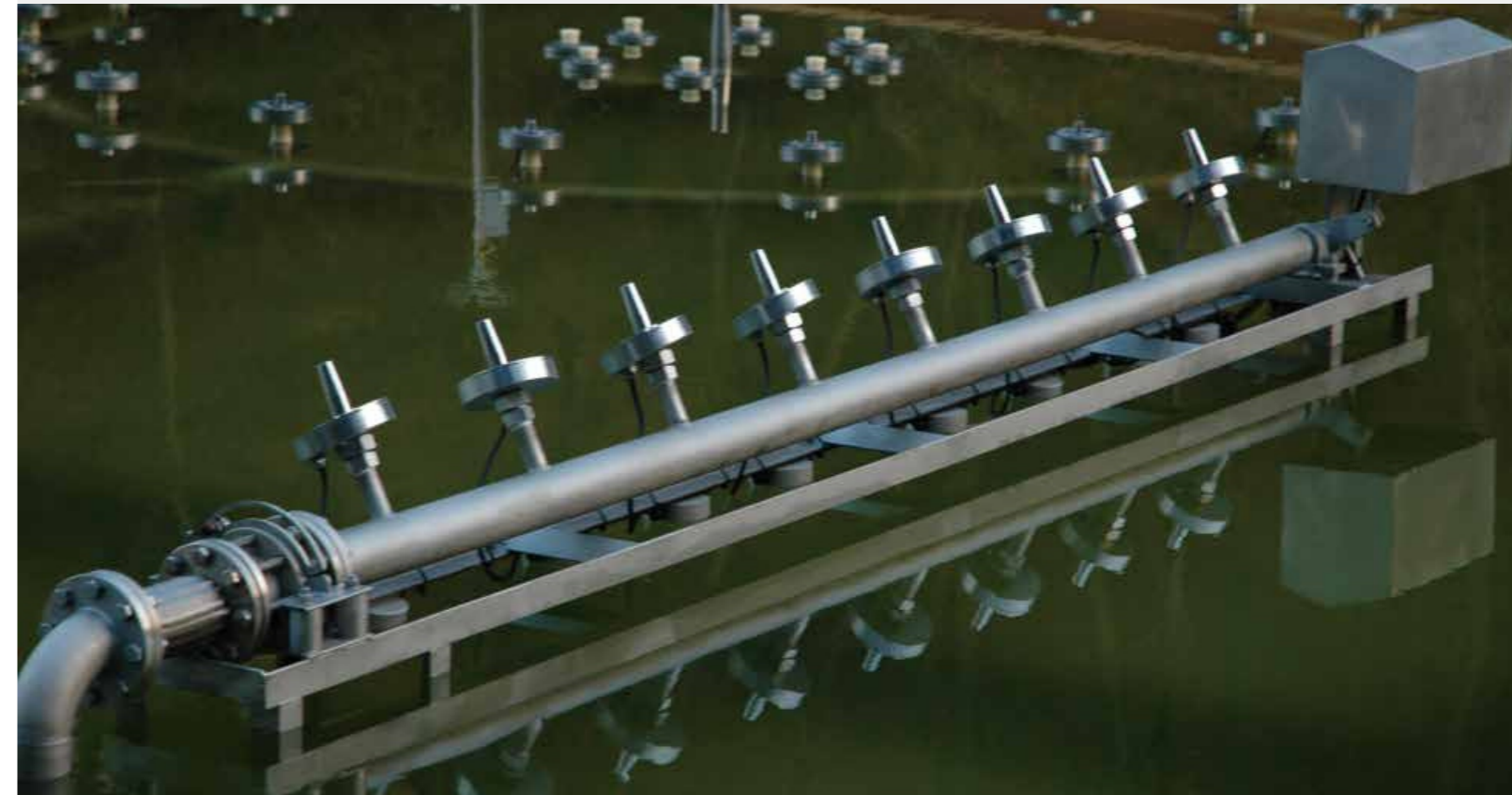
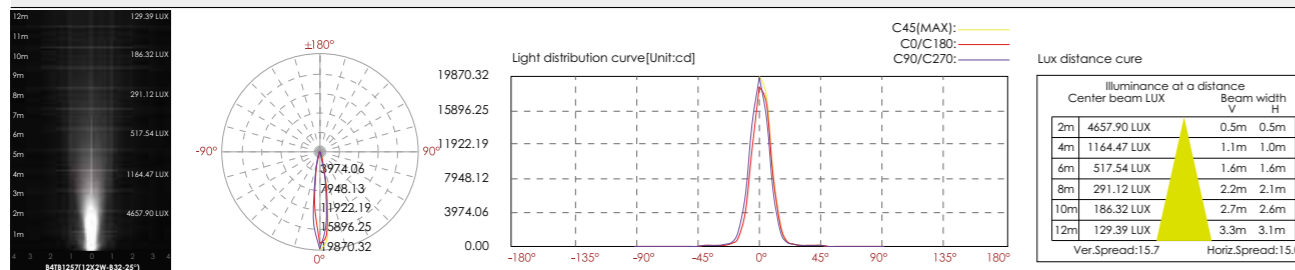
**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



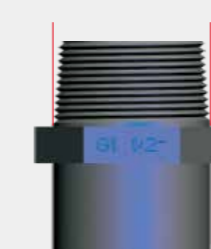
**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B4TB1257	12×2W	B32	25°	24V DC	1200	28.8	Cool White = 2067 Warm White = 1610	09

**PHOTOMETRIC CURVES**



Central Ejector



Water jet pipe G11/2"taper

**Warning :** Must be installed under the water to prevent the light from being burnt off because of over-heating.



Overheat Sensor Inside 

**OPTICS**



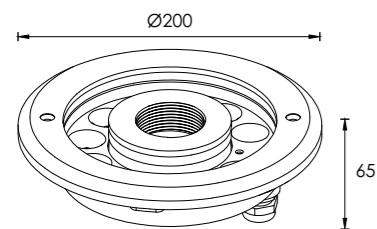
**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**MATERIAL SPECIFICATIONS**

- HOUSING** | Hard chromeplated molding shaped stainless steel SUS 316#
- LIGHT WINDOW** | Step tempered glass.T=10mm
- GASKET** | Silicone gasket
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- PCB** | Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm2 L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

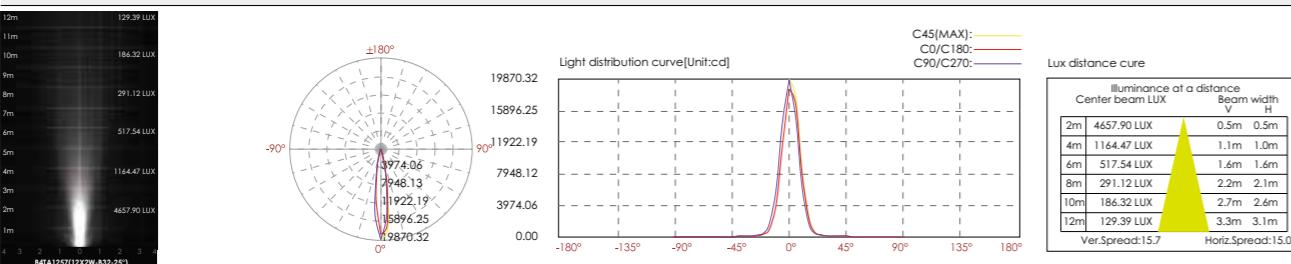
**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



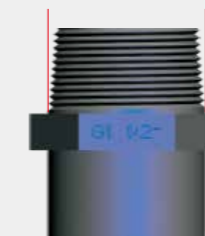
**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B4TA1257</b>	12×2W	B32	25°	24V DC	1200	28.8	Cool White = 2067 Warm White = 1610	09

**PHOTOMETRIC CURVES**



Central Ejector



Water jet pipe G11/2"taper

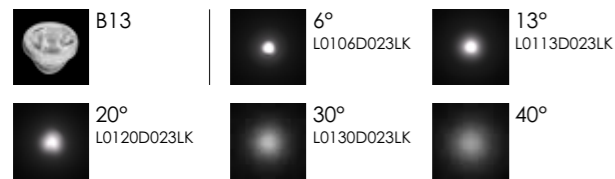


•Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.



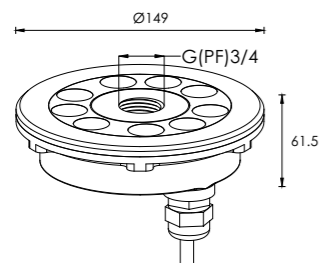
Overheat Sensor Inside 

**OPTICS**



**OUTER DIMENSIONS & ACCESSORIES**

Unit:mm



**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

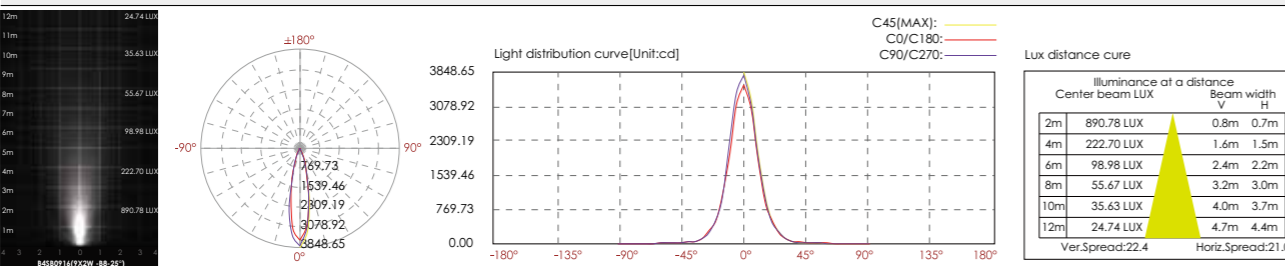
**MATERIAL SPECIFICATIONS**

- HOUSING** | Hard chromeplated molding shaped stainless steel SUS 316#
- FRONT COVER** | Hard chromeplated stainless steel SUS 316L#
- LIGHT WINDOW** | Step tempered glass.T=8mm
- GASKET** | Silicone gasket
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- PCB** | Excellent heat conductivity aluminum.coefficient of heat Conductivity2.0w/mk
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm2 L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

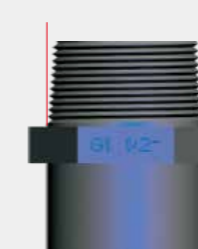
**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B4SB0957</b>	9×1.5W	B13	20°	12V DC	1291	15.5	Cool White = 1317 Warm White = 1054	09

**PHOTOMETRIC CURVES**



Central Ejective



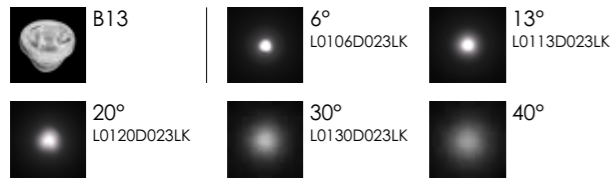
Water jet pipe G(PF)3/4 taper

**Warning :** Must be installed under the water to prevent the light from being burnt off because of over-heating.



Overheat Sensor Inside

**OPTICS**



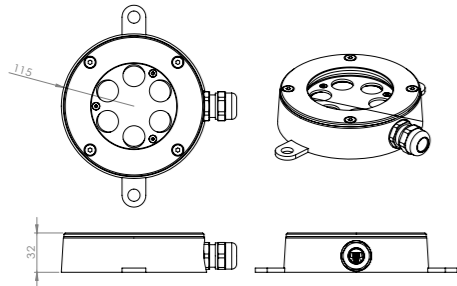
**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**MATERIAL SPECIFICATIONS**

- HOUSING** | Hard chromeplated molding shaped stainless steel SUS 316#
- FRONT COVER** | Hard chromeplated stainless steel SUS 316L#
- LIGHT WINDOW** | Step tempered glass.T=8mm
- WATERPROOF SEAL** | Silicone Gasket
- LENS** | Separate optical lens efficiency≥85%
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- PCB** | Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm<sup>2</sup> L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth.
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- DIMMABLE SUPPORT** | Triac PWM 1-10V DALI

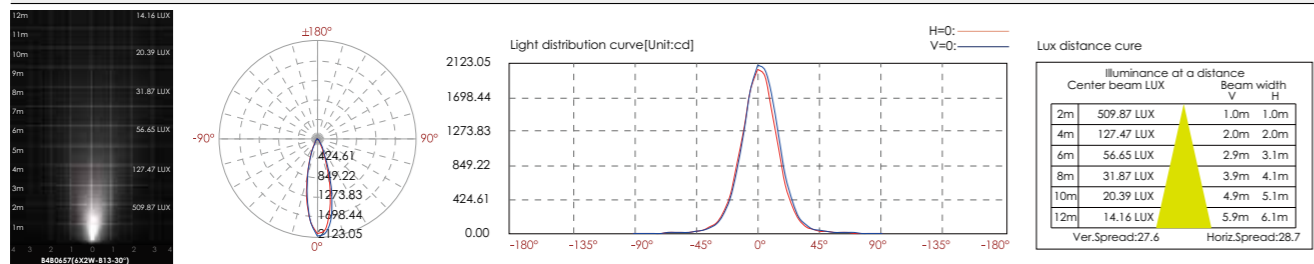
**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B4B0657</b>	6×2W Single color	B13	30°	24V DC	500	12	Cool White = 802 Warm White = 687	08

**PHOTOMETRIC CURVES**



•Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.

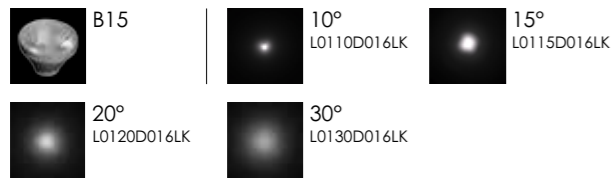
Efficient heat-sink

IP-68 cable gland



Overheat Sensor Inside 

**OPTICS**



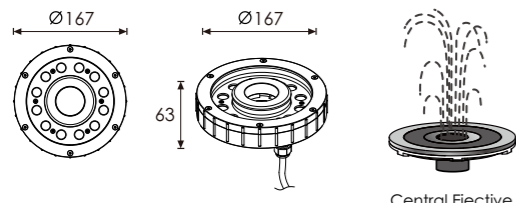
**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**MATERIAL SPECIFICATIONS**

- FRONT COVER & HOUSING** | Made by High thermal Nylon
- GASKET** | Silicone Gasket
- LIGHT WINDOW** | Step tempered glass, T=8mm
- LENS** | Optical lens, efficiency≥85%
- CABLE GLAND** | IP68 PG-11 PA66
- PCB** | Excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth.
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- POWER CABLE** | H05RN-F 2X1.0mm L=3m
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

**OUTER DIMENSIONS & ACCESSORIES** Unit:mm



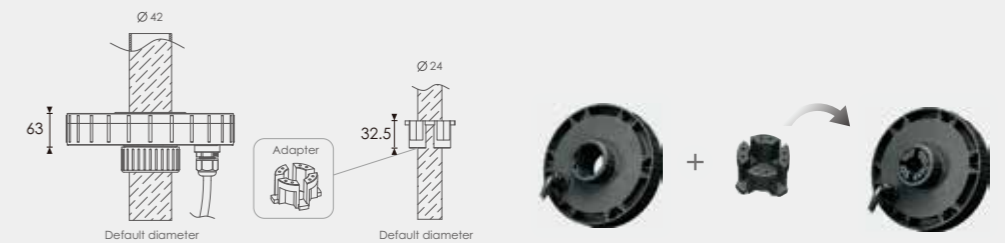
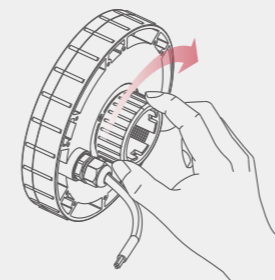
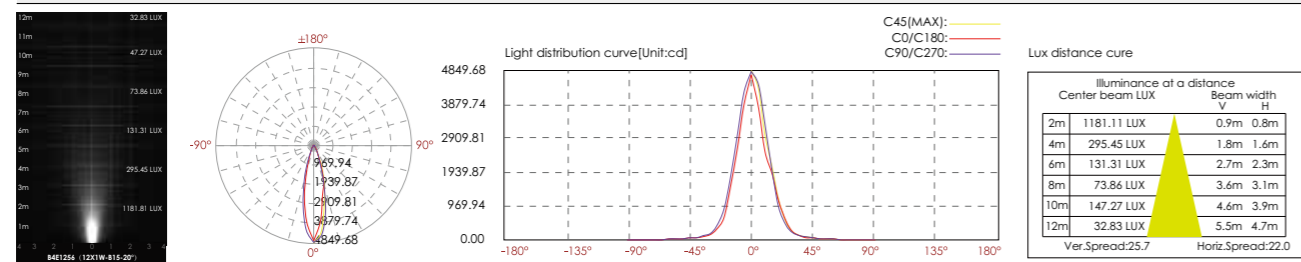
Central Ejective

•Warning : Must be installed under the water to prevent the light from burning up because of over-heating.

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B4E1256</b>	12×1W	B15	20°	24V DC	580	14	Cool White = 1390 Warm White = 1226	07

**PHOTOMETRIC CURVES**



The converter of Sprinkler pipe diameter

# UNDERWATER SPOT LIGHT



240



242



243



244



245



246



247



248



250





OPTICS

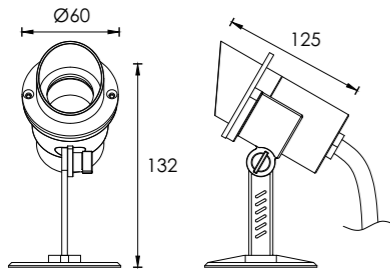


LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



•Warning : Must be installed under the water to prevent the light from burning up because of over-heating.

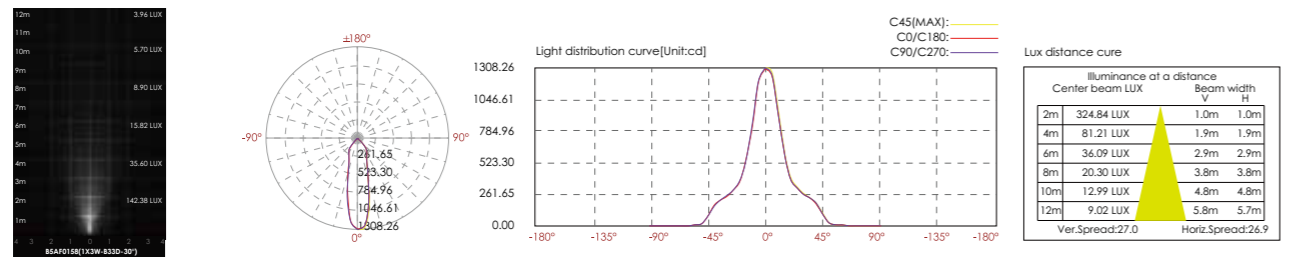
MATERIAL SPECIFICATIONS

<b>HOUSING</b>	Hard chromeplated Molding shaped stainless steel SUS 316L#
<b>FRONT COVER</b>	Hard chromeplated Stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	Step tempered glass,T=7mm
<b>WATERPROOF SEAL</b>	EPDM gasket
<b>LENS</b>	Separate optical lens efficiency≥85%
<b>CABLE GLAND</b>	IP68 M1 6a copper with nickel-coated
<b>PCB</b>	Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>POWER CABLE</b>	H07RN-F 2X1.0mm2 L=3.0m
<b>APPLICATION ENVIRONMENT</b>	Temperature of water between -20°C~40°C less than 1 meter depth
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

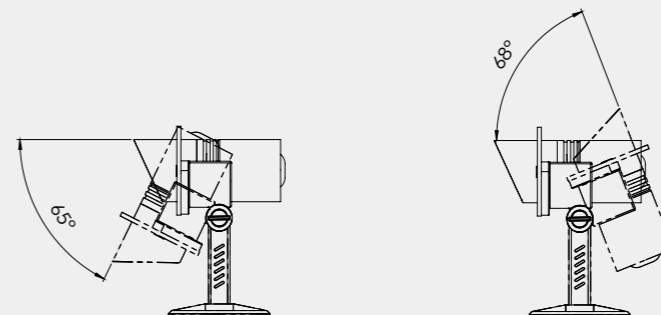
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B5AF0158	1×3W	B33D	30°	24V DC	110	2.6	Cool White = 174 Warm White = 139	06

PHOTOMETRIC CURVES



ADJUSTABLE BEAM DIRECTION





Overheat Sensor Inside



Overheat Sensor Inside

OPTICS

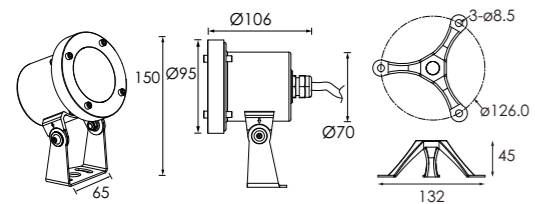


LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



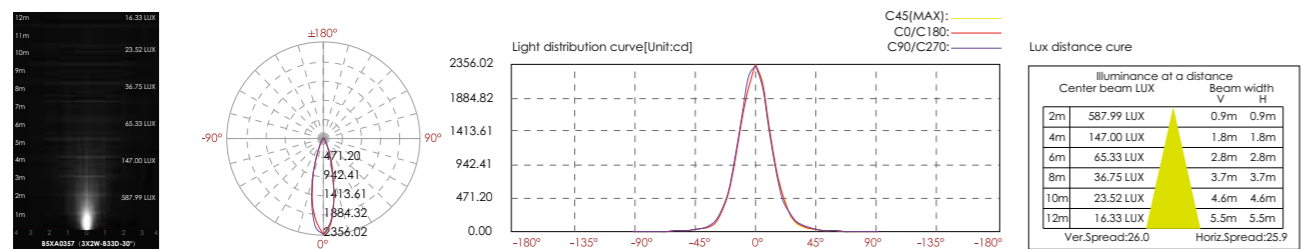
5001  
Tripod-Optional Accessory

•Warning : Must be installed under the water to prevent the light from burning up because of over-heating.

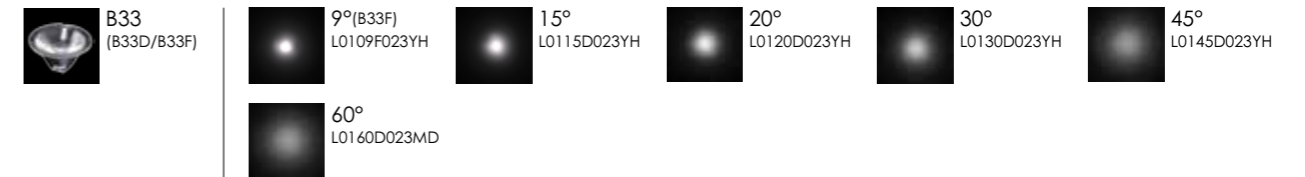
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B5XA0357	3×2W	B33D	30°	24V DC	320	7.7	Cool White = 760 Warm White = 674	08

PHOTOMETRIC CURVES



OPTICS

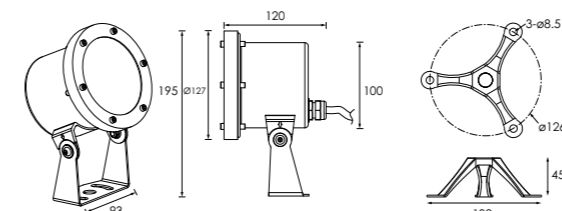


LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



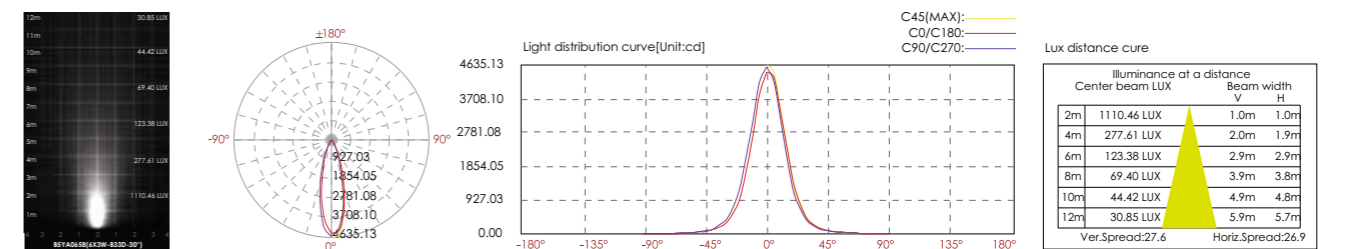
5001  
Tripod-Optional Accessory

•Warning : Must be installed under the water to prevent the light from burning up because of over-heating.

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B5YA0658	6×3W	B33D	30°	24V DC	900	21.5	Cool White = 1700 Warm White = 1503	08

PHOTOMETRIC CURVES





Overheat Sensor Inside



Overheat Sensor Inside

OPTICS

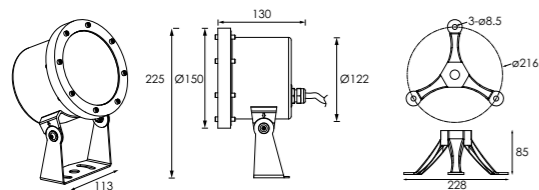


LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



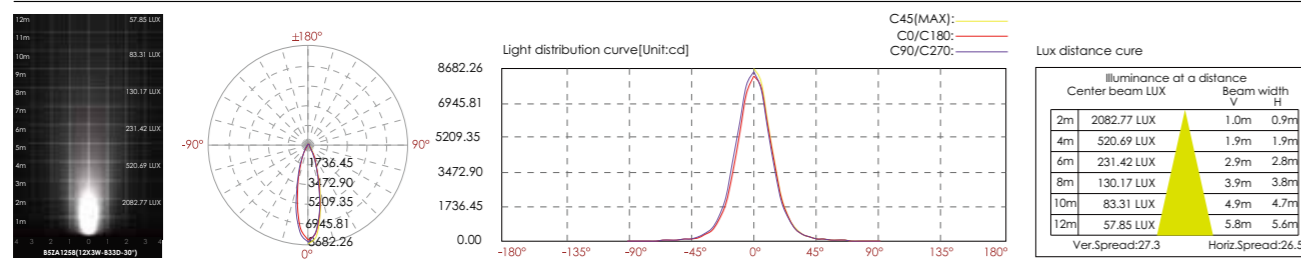
5003  
Tripod-Optional Accessory

•Warning : Must be installed under the water to prevent the light from burning up because of over-heating.

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B5ZA1258	12×3W	B33D	30°	24V DC	1600	38.4	Cool White = 3031 Warm White = 2668	08

PHOTOMETRIC CURVES



OPTICS

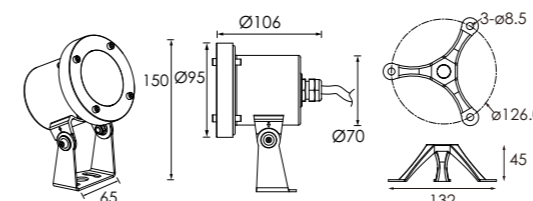


LED COLOUR TEMPERATURE

3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



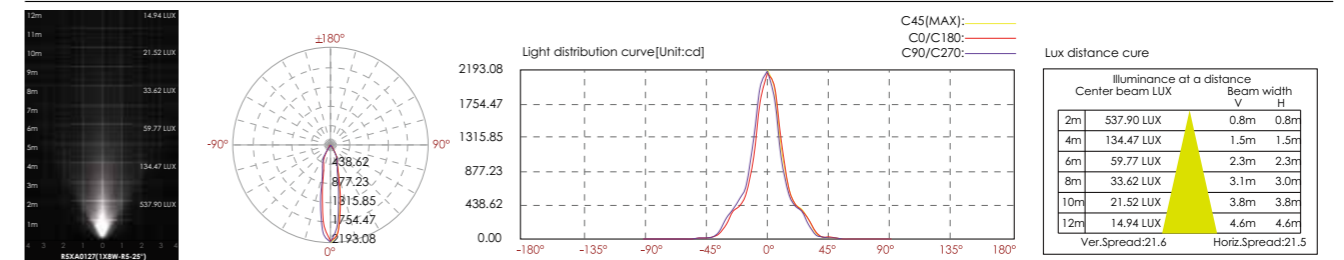
5001  
Tripod-Optional Accessory

•Warning : Must be installed under the water to prevent the light from burning up because of over-heating.

TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R5XA0127	1×8W	R5	25°	24V DC	340	8.1	Cool White = 674 Warm White = 625	08

PHOTOMETRIC CURVES



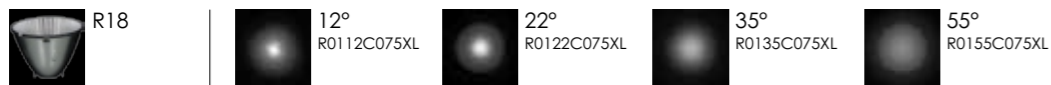


Overheat Sensor Inside



Overheat Sensor Inside

OPTICS

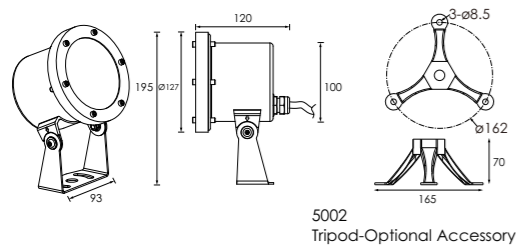


LED COLOUR TEMPERATURE

3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



5002  
Tripod-Optional Accessory

•Warning : Must be installed under the water to prevent the light from burning up because of over-heating.

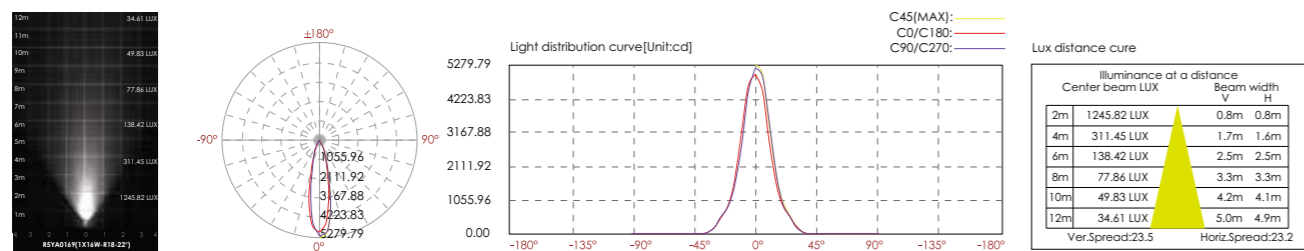
MATERIAL SPECIFICATIONS

<b>FRONT COVER &amp; HOUSING</b>	Hard chromeplated molding shaped stainless steel sus 316L#
<b>LIGHT WINDOW</b>	PMMA 8mm
<b>GASKET</b>	Silicone gasket
<b>LED</b>	Nichia
<b>REFLECTOR</b>	Optical Reflector,efficiency≥85%
<b>CABLE GLAND</b>	IP68 PG-11 copper with nickel-coated
<b>PCB</b>	Excellent heat conductivity aluminum,coefficient of heatConductivity≥2.0w/mk
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>POWER CABLE</b>	H07RN-F 2X1.0mm2 L=3.0m
<b>BUILT-IN OVERHEAT SENSOR SYSTEM</b>	Automatic Shutdown at 75°C
<b>APPLICATION ENVIRONMENT</b>	Temperature of water between -20°C~40°C less than 1 meter depth

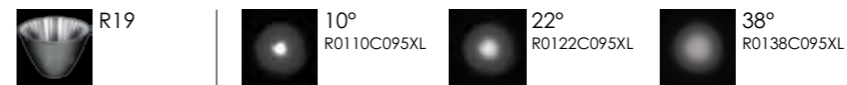
TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R5YA0169	1×16W	R18	22°	24V DC	700	17	Cool White = 1344 Warm White = 1183	08

PHOTOMETRIC CURVES



OPTICS

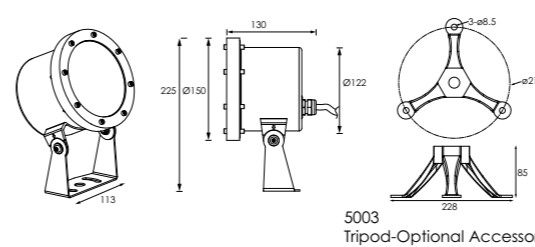


LED COLOUR TEMPERATURE

3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



5003  
Tripod-Optional Accessory

•Warning : Must be installed under the water to prevent the light from burning up because of over-heating.

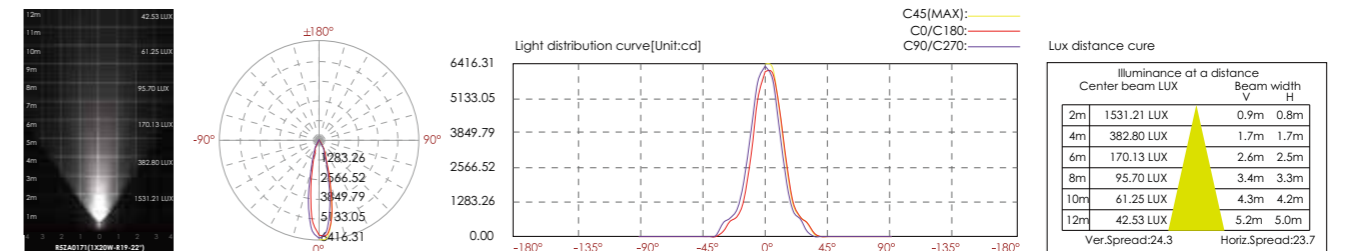
MATERIAL SPECIFICATIONS

<b>FRONT COVER &amp; HOUSING</b>	Hard chromeplated molding shaped stainless steel sus 316L#
<b>LIGHT WINDOW</b>	PMMA 8mm
<b>GASKET</b>	Silicone gasket
<b>LED</b>	Nichia
<b>REFLECTOR</b>	Optical Reflector,efficiency≥85%
<b>CABLE GLAND</b>	IP68 PG-11 copper with nickel-coated
<b>PCB</b>	Excellent heat conductivity aluminum,coefficient of heatConductivity≥2.0w/mk
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>POWER CABLE</b>	H07RN-F 2X1.0mm2 L=3.0m
<b>BUILT-IN OVERHEAT SENSOR SYSTEM</b>	Automatic Shutdown at 75°C
<b>APPLICATION ENVIRONMENT</b>	Temperature of water between -20°C~40°C less than 1 meter depth

TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R5ZA0171	1×20W	R19	22°	24V DC	860	20.5	Cool White = 1679 Warm White = 1478	10

PHOTOMETRIC CURVES





Overheat Sensor Inside

**OPTICS**



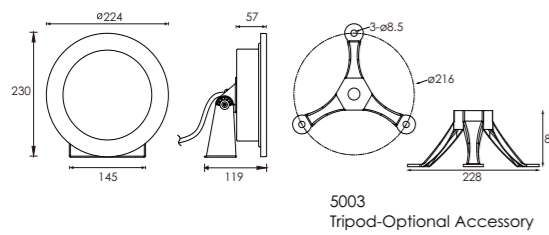
**LED COLOUR TEMPERATURE**

2000K · 3000K · 6000K

**MATERIAL SPECIFICATIONS**

- FRONT COVER & HOUSING** | Hard chromeplated molding shaped stainless steel SUS 316L#
- LIGHT WINDOW** | Step tempered glass, T=10mm
- GASKET** | EPDM gasket
- LENS** | Optical lens, efficiency ≥ 85%
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- PCB** | Excellent heat conductivity aluminum, coefficient of heat Conductivity ≥ 2.0w/mk
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- POWER CABLE** | H07RN-F 2X1.0mm<sup>2</sup> L=3.0m
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

**OUTER DIMENSIONS & ACCESSORIES** Unit:mm

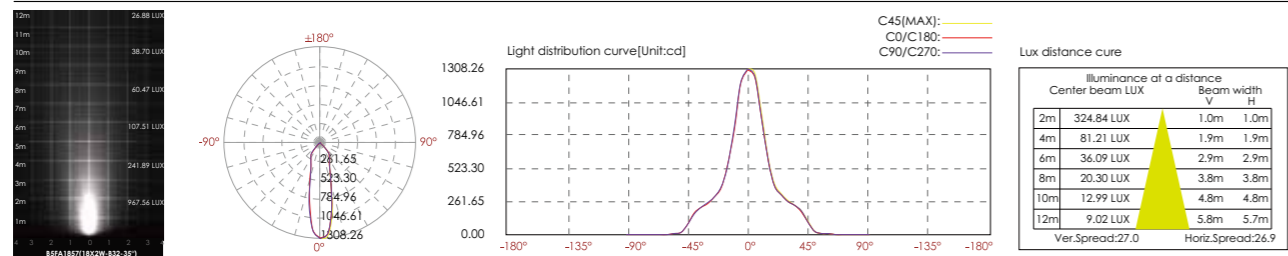


•Warning : Must be installed under the water to prevent the light from burning up because of over-heating.

**TECHNICAL DATA**

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B5FA1857	18×2W	B32	35°	24V DC	1900	45.6	Cool White = 2221 Warm White = 1828	10

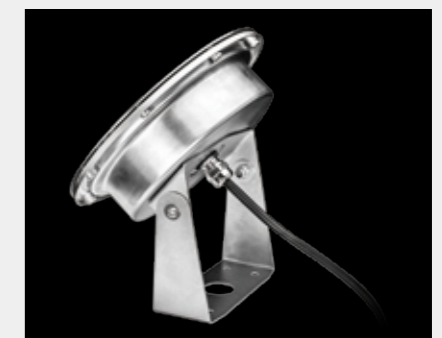
**PHOTOMETRIC CURVES**



Tripod-Optional Accessory



Bracket



Back View



Overheat Sensor Inside

OPTICS

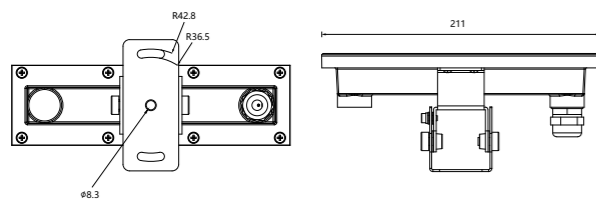


LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



•Warning : Must be installed under the water to prevent the light from burning up because of over-heating.

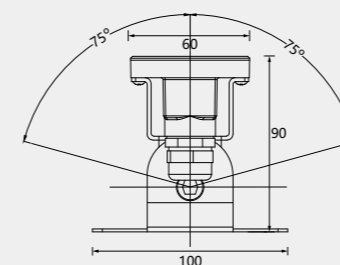
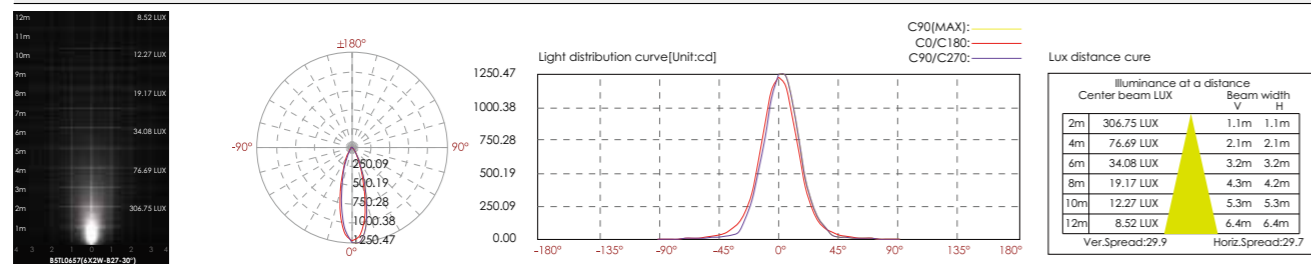
MATERIAL SPECIFICATIONS

- HOUSING** | Hard chromeplated molding shaped stainless steel SUS 316L#
- FRONT COVER** | Hard chromeplated stainless steel SUS 316L#
- LIGHT WINDOW** | Step tempered glass.T=5mm
- LENS** | Separate optical lens efficiency≥85%
- BRACKET** | Hard chromeplated molding shaped stainless steel SUS 316#
- LED** | OSRAM or NICHIA
- CABLE GLAND** | IP68 PG-11 copper with nickel-coated
- PCB** | Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
- SEAL** | Molding shaped silicon seal under the front cover  
Silicon glue among LED,lens and PCB
- POWER CABLE** | H07RN-F 2X1.0mm2 L=3.0m
- BUILT-IN OVERHEAT SENSOR SYSTEM** | Automatic Shutdown at 75°C
- APPLICATION ENVIRONMENT** | Temperature of water between -20°C~40°C less than 1 meter depth
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

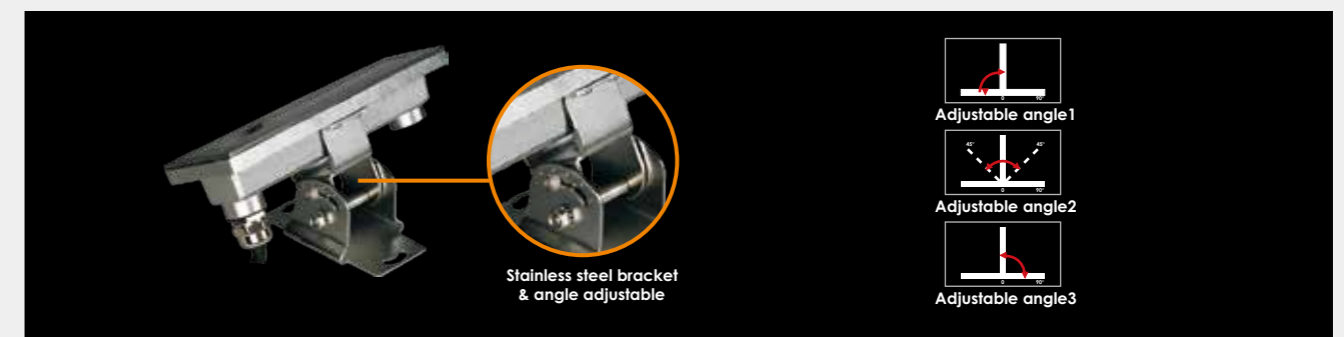
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B5TL0657	6×2W	B27	30°	24V DC	491	11.8	Cool White = 605 Warm White = 520	08

PHOTOMETRIC CURVES



50° Downward rotation 70° Upward rotation.°



# Underwater LED Spot Light

Housing and accessories are completely Hard chromeplated Stainless Steel SUS 316L #



## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OPTICS



**B26**  
L0108C021YT 8°



8°



**B27**  
L0113D021YT 13°  
L0125D021YT 25°  
L0130D021YT 30°



13°



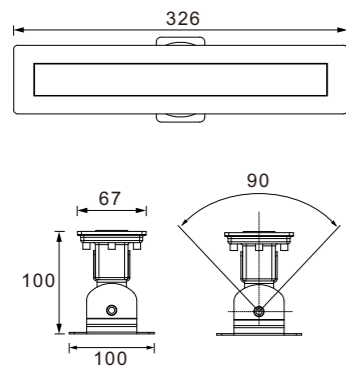
25°



30°

## OUTER DIMENSIONS

Unit:mm



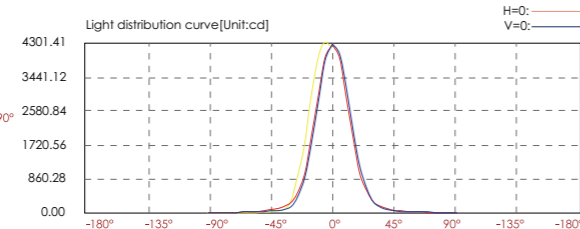
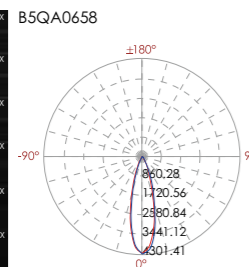
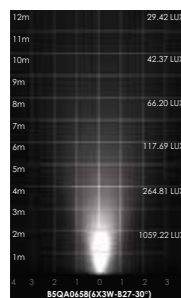
## MATERIAL SPECIFICATIONS

<b>Front cover &amp; Housing</b>	Hard chromeplated molding shaped stainless steel sus 316L#
<b>Light Windw</b>	PC
<b>Gasket</b>	Silicone gasket
<b>Lens</b>	Optical lens. efficiency≥85%
<b>PCB</b>	Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
<b>LED Driver</b>	Constant Voltage Input,Constant Current Output
<b>Power Cable</b>	H05RN-F 2X1.0mm <sup>2</sup> L=3.0m(for single color)
<b>Applicationenvironment</b>	Temperature of water between -20°C~40°C less than 1 meter depth.
<b>Cable gland</b>	IP68 PG-11 copper with nickel-coated

## TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
<b>B5QA0658</b>	6 × 3W NICHIA	B27	30°	24V DC	950	22.8	Cool white =1578 Warm white =1324	10

## PHOTOMETRIC CURVES

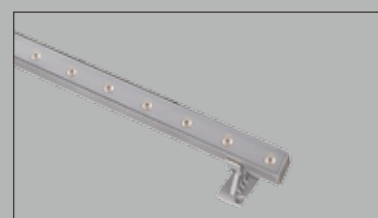


Center beam LUX	Beam width V	Beam width H
1059.22 LUX	1.0m	1.0m
244.81 LUX	2.0m	2.0m
117.69 LUX	2.9m	3.0m
66.20 LUX	3.0m	4.0m
42.37 LUX	4.9m	4.9m
29.42 LUX	5.9m	5.9m

Ver.Spread:27.6 Horiz.Spread:27.8



WALL WASHER



254



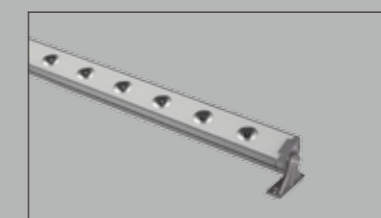
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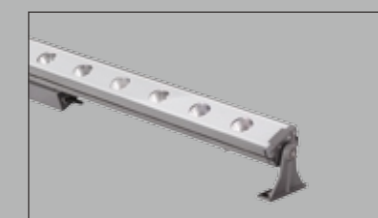
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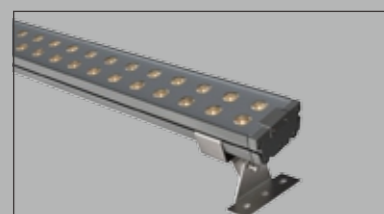
262



264



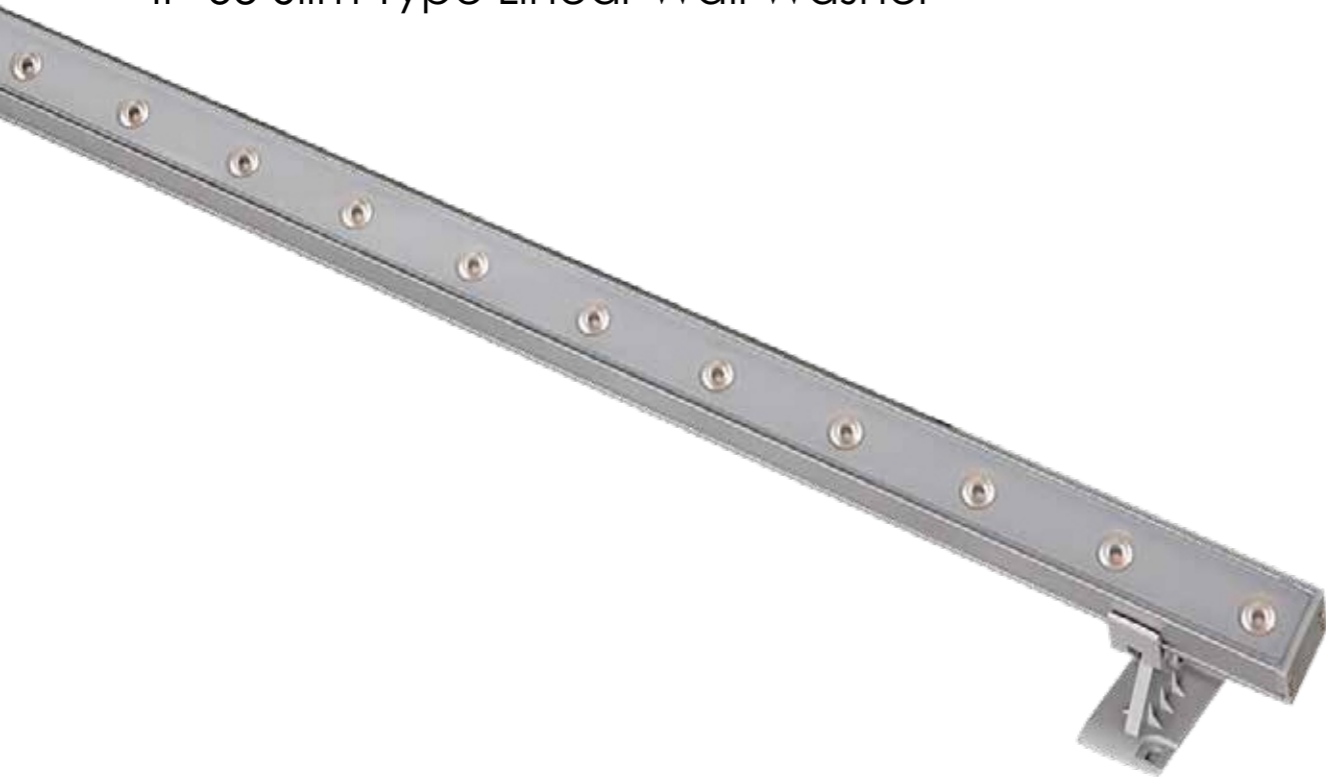
266



270



# IP-65 Slim Type Linear Wall Washer

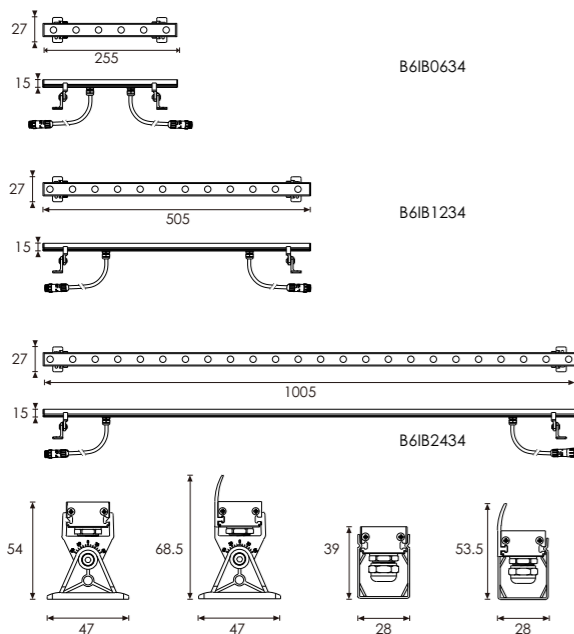


## LED COLOUR TEMPERATURE

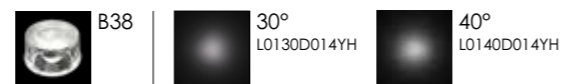
2000K · 3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm

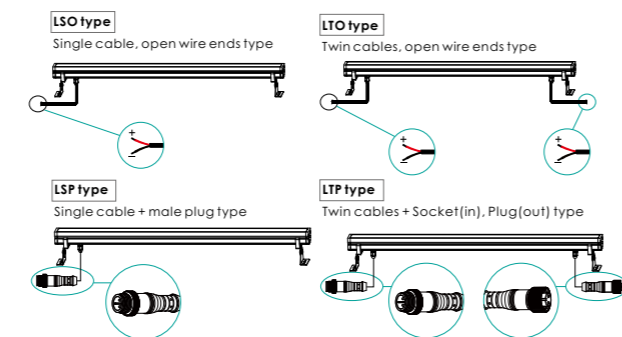


## OPTICS



## MATERIAL SPECIFICATIONS

- HOUSING** | Aluminum extrusion #6061, finish: Anodized or Painting
- BRACKET** | Nylon Rotatable type bracket or Stainless steel Angle Fixed type bracket
- LIGHT WINDOW** | Tempered glass T=2mm2 with printing.
- CABLE GLAND** | Copper PG-7 IP65
- POWER CABLE** | H03VV-F 2X0.75mm2 L=20 cm With Plug/Socket connector MAX capacity of Current=5A
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali



## OPTIONAL PARTS

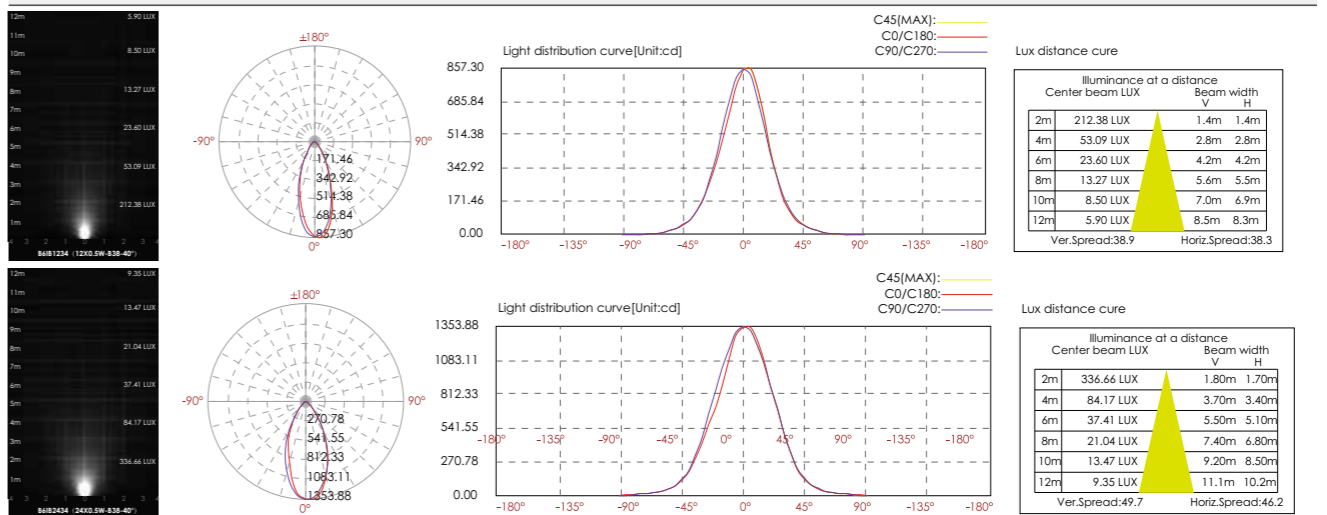
The cap can effectively:

1. Reduce the people view angle to the light
2. concentrate the brightness

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENGTH(MM)	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B61B0634	6×0.5W NICHIA	B38	255	40°	24V DC	152	3.6	Cool White = 320 Warm White = 289	05
B61B1234	12×0.5W NICHIA	B38	505	40°	24V DC	305	7.30	Cool White = 557 Warm White = 510	05
B61B2434	24×0.5W NICHIA	B38	1005	40°	24V DC	611	14.7	Cool White = 1114 Warm White = 1020	05

## PHOTOMETRIC CURVES

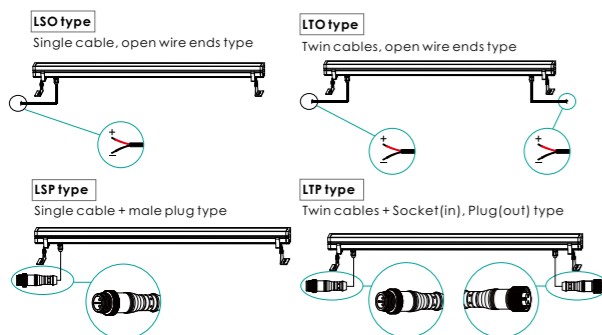
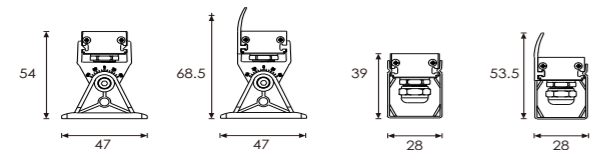
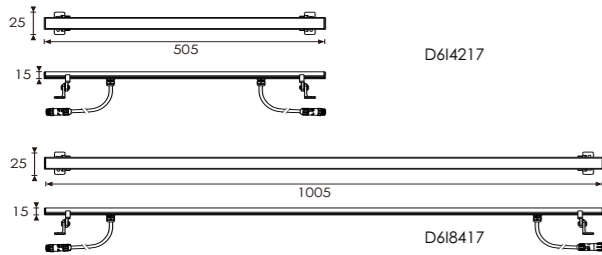


# IP-65 Slim Type Linear Light Bar



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OPTICS

N/A

## MATERIAL SPECIFICATIONS

- HOUSING** | Aluminum anodized finishing & powder painting
- DIFFUSE** | PC T=2mm
- CABLE GLAND** | Copper and nickel coated
- LED** | SMD2835
- PCB** | Heat Conductivity≥2.0w/mk
- LED DRIVER** | Constant current IC on the board
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H03VV-F 2X0.75mm<sup>2</sup> L=option
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## OPTIONAL PARTS

•Stainless Steel Bracket

•Plug/Socket Connector

•Cap-Optional Accessory

•Cap-Optional Accessory

The cap can effectively :  
1. Reduce the people view angle to the light  
2. concentrate the brightness

The bracket of Rotatable type      The bracket of Angle-Fixed type

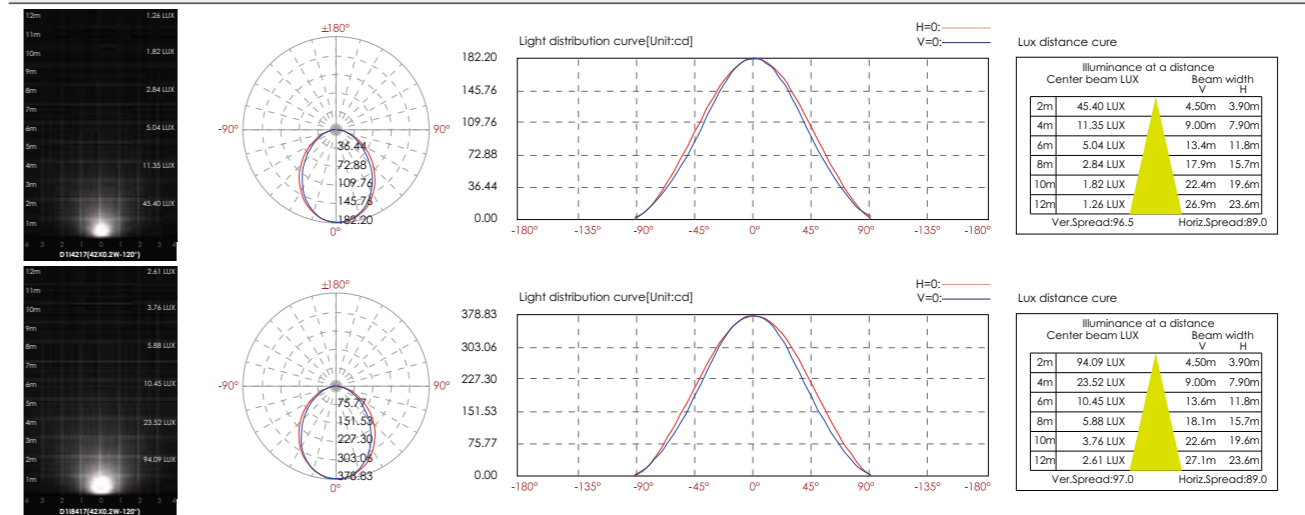
Regular      Option

•Bracket

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENGTH(MM)	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	PF	IK
<b>D614217</b>	42×0.2W	505	120°	24V DC	350	8.5	Cool White = 430 Warm White = 418	1	02
<b>D618417</b>	84×0.2W	1005	120°	24V DC	700	17	Cool White = 994 Warm White = 867	1	02

## PHOTOMETRIC CURVES



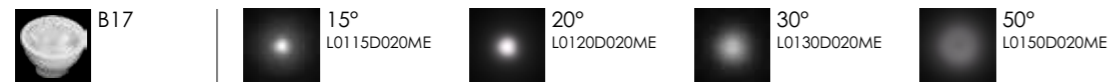
# Slim Type LED Linear Wall Washer



### LED COLOUR TEMPERATURE

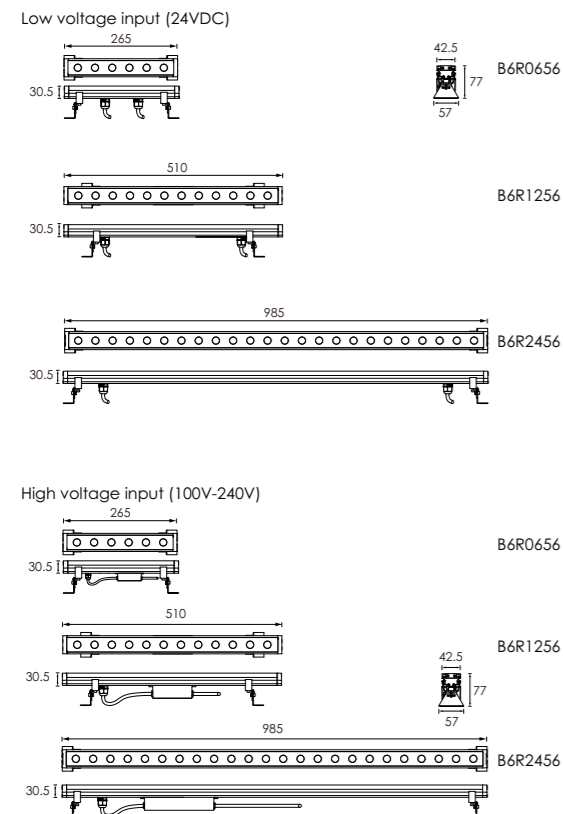
2000K · 3000K · 6000K

### OPTICS



### OUTER DIMENSIONS & ACCESSORIES

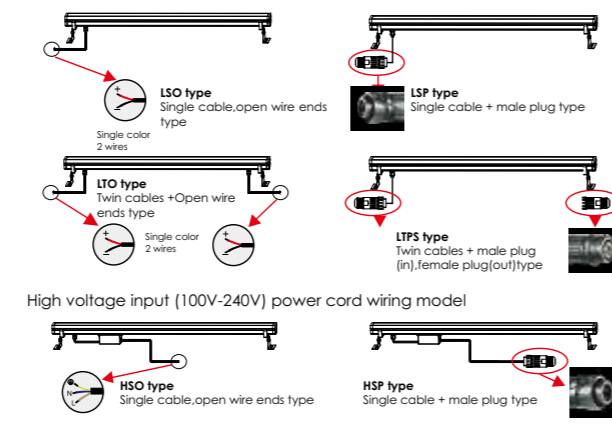
Unit:mm



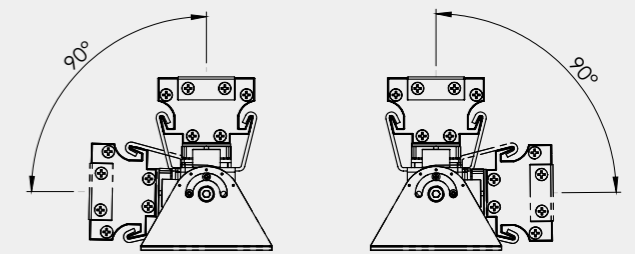
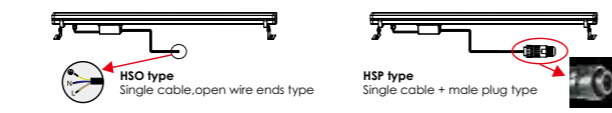
### MATERIAL SPECIFICATIONS

- HOUSING** | Extruded aluminum, powder coated
- LENS** | Optical lens, efficiency ≥ 85%
- LIGHT WINDOW** | Step tempered glass, T=4mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Glass and housing are silicone sealed
- LED** | OSRAM SMD3030
- OPERATING TEMPERATURE** | -20°C~40°C
- BRACKET** | Hard chrome plated stainless steel SUS 304# T=1.5mm
- POWER CABLE** | 2XH05RN-F 2X1.0mm<sup>2</sup> L=0.5m (low voltage)  
2XH05RN-F 3X1.0mm<sup>2</sup> L=0.5m (high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

### Low voltage input (24VDC) power cord model

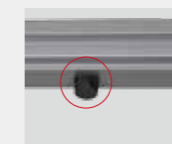


### High voltage input (100V-240V) power cord wiring model



•Adjustable beam direction

### OPTIONAL PARTS



•Air Valve

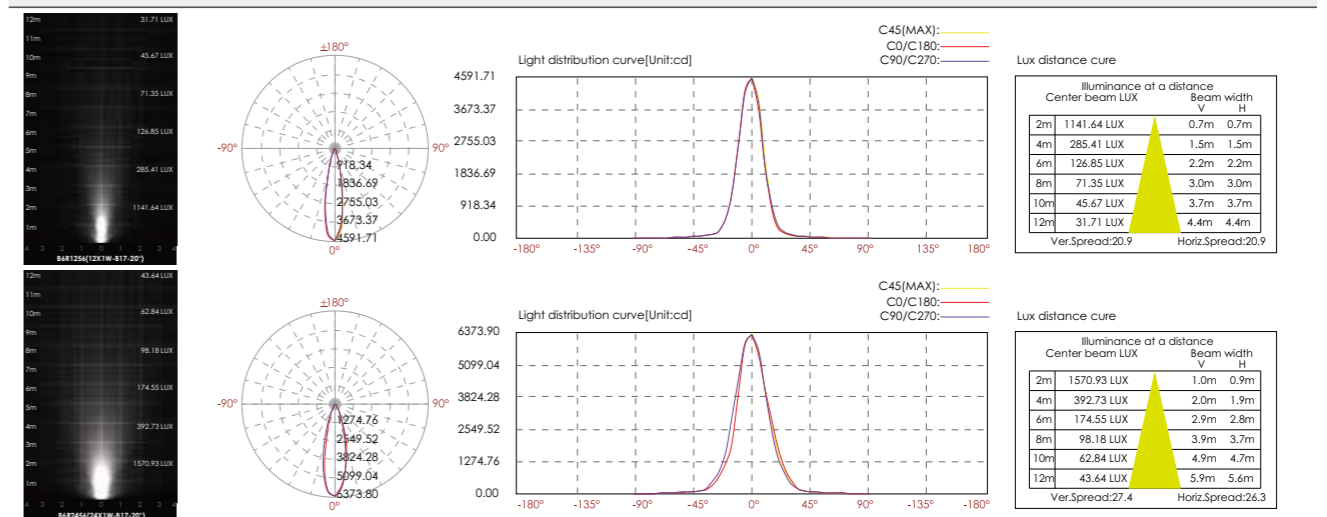


•Cap-Optional Accessory

### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)1/2	LENGTH(MM)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B6R0656	6×1.0W Single color	B17	20°	265	24V DC 120/240	24V = 305	24V = 7.5	Cool White = 530 Warm White = 512	02
						120V = 100	120V = 7.2		
						240V = 55	240V = 7.3		
B6R1256	12×1.0W Single color	B17	20°	510	24V DC 120/240	24V = 610	24V = 14.5	Cool White = 1080 Warm White = 864	02
						120V = 130	120V = 15		
						240V = 65	240V = 15		
B6R2456	24×1.0W Single color	B17	20°	985	24V DC 120/240	24V = 1220	24V = 29	Cool White = 2140 Warm White = 1976	02
						120V = 295	120V = 35		
						240V = 163	240V = 35		

### PHOTOMETRIC CURVES

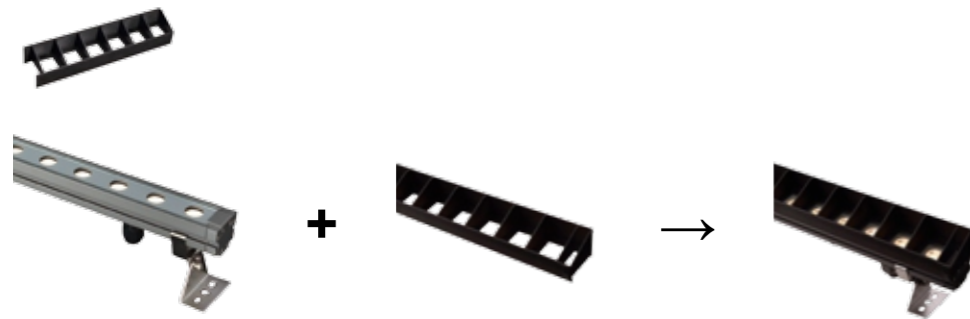


# Optional Accessories St- Anti Glare

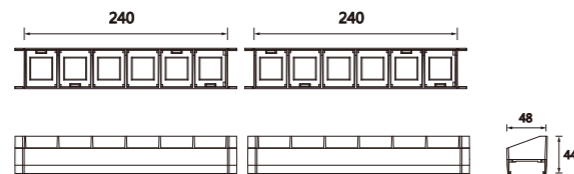
Bevel cut anti-glare reflector 6001



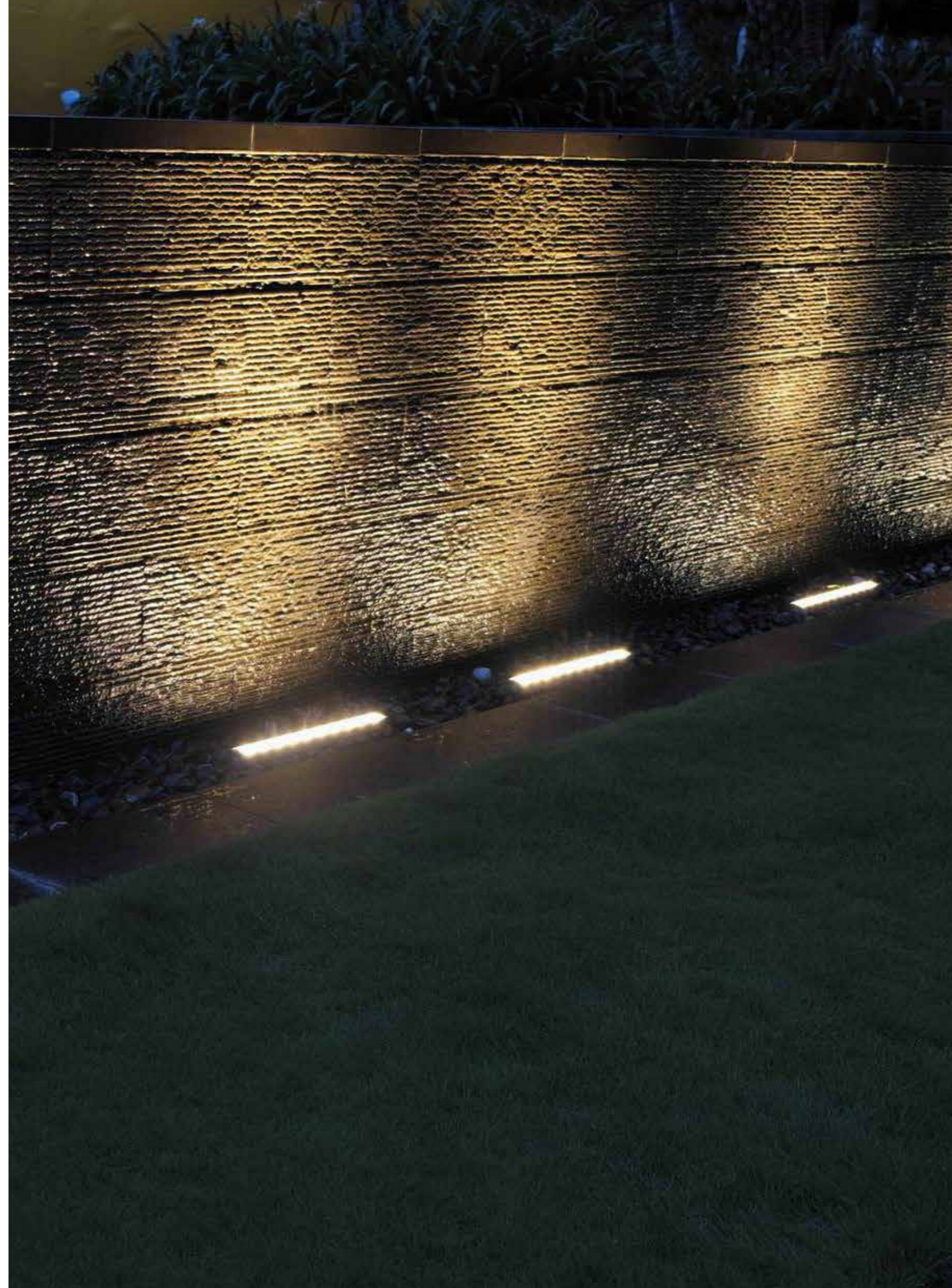
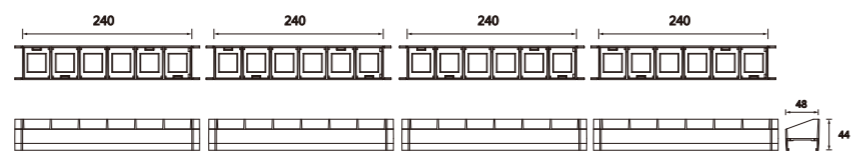
Basic Unit : 240 x 48 mm



B6R1256



B6R2456



# High Power LED Linear Wall Washer



## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

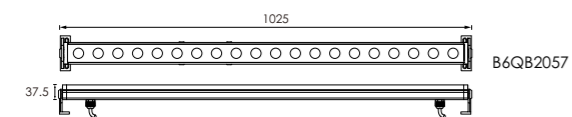
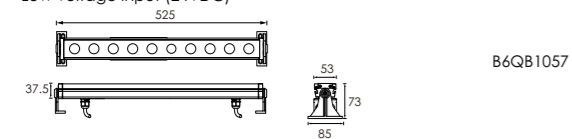
## OPTICS



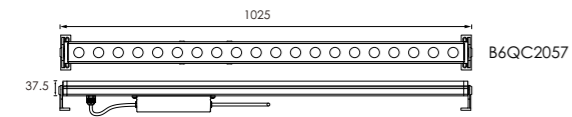
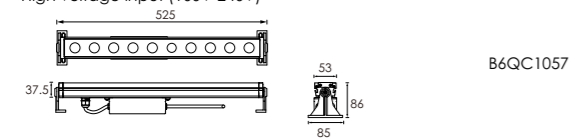
## OUTER DIMENSIONS & ACCESSORIES

Unit:mm

Low voltage input (24VDC)



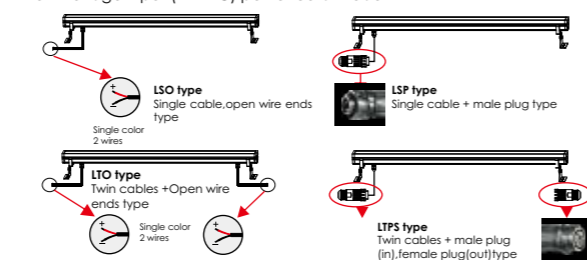
High voltage input (100V-240V)



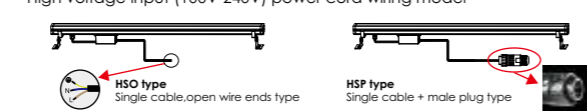
## MATERIAL SPECIFICATIONS

- HOUSING** | Extruded aluminum, powder coated
- LENS** | Optical lens, efficiency ≥ 85%
- LIGHT WINDOW** | Tempered glass, T=3mm
- CABLE GLAND** | IP68 PG-11 PA66
- SEALE** | Glass and housing are silicone sealed
- LED** | OSRAM SMD 3030
- OPERATING TEMPERATURE** | -20°C ~ 40°C
- BRACKET** | 12# Die-casting powder coated aluminum
- POWER CABLE** | H05RN-F 2X1.5mm<sup>2</sup> L=0.25m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m (high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali (B6QB1057/B6QB2057)

Low voltage input (24VDC) power cord model



High voltage input (100V-240V) power cord wiring model



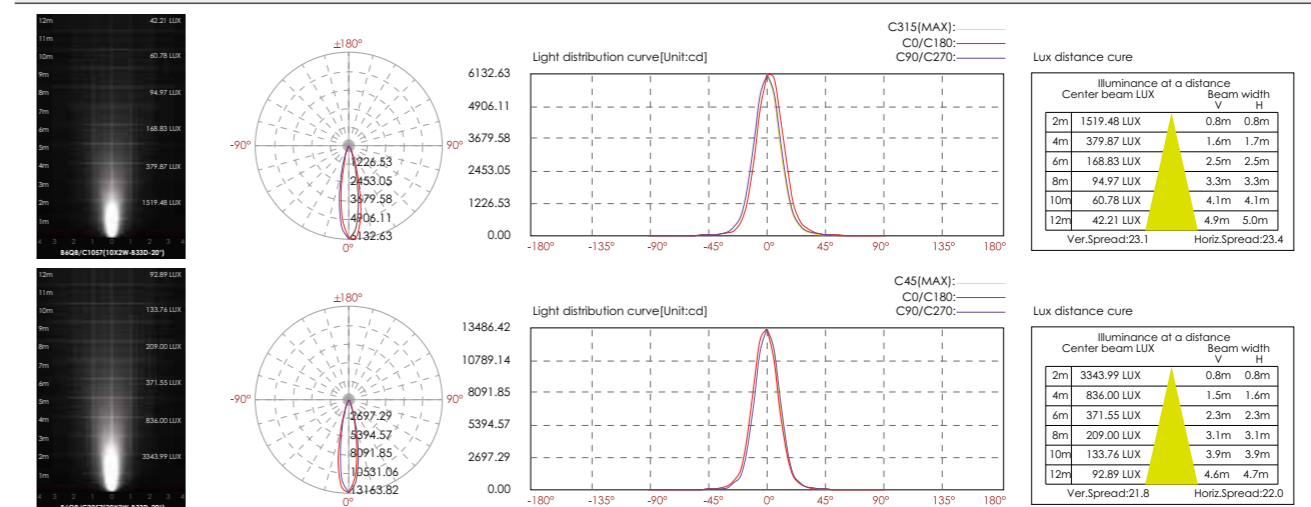
## OPTIONAL HONEYCOMB LOUVER



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°) @ 1/2	LENGTH(MM)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B6QB1057</b>	10×2W Single color	B33D	20°	525	24V DC	1041	25	Cool White = 1476 Warm White = 1174	05
<b>B6QB2057</b>	20×2W Single color	B33D	20°	1025	24V DC	2056	50	Cool White = 2890 Warm White = 2308	05
<b>B6QC1057</b>	10×2W Single color	B33D	20°	525	120/240	120V = 174 240V = 92	120V = 20.8 240V = 20.8	Cool White = 1476 Warm White = 1338	05
<b>B6QC2057</b>	20×2W Single color	B33D	20°	1025	120/240	120V = 374 240V = 202	120V = 41 240V = 42.2	Cool White = 2890 Warm White = 2518	05

## PHOTOMETRIC CURVES



# High Luminance LED Linear Wall Washer



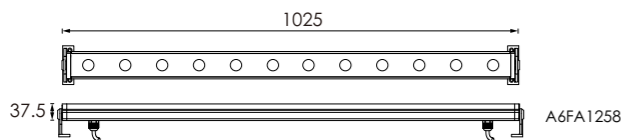
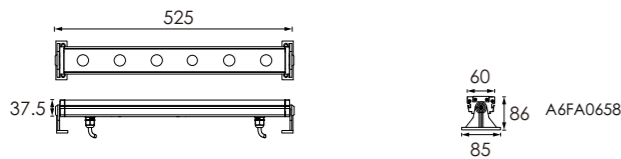
## LED COLOUR TEMPERATURE

3000K · 6000K

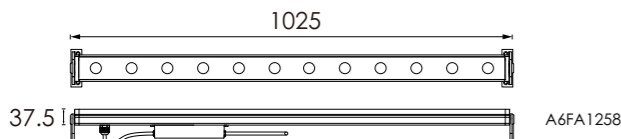
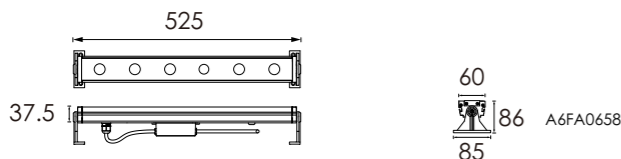
## OUTER DIMENSIONS & ACCESSORIES

Unit:mm

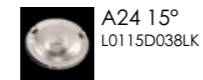
Low voltage input (24VDC)



High voltage input (100V-240V)



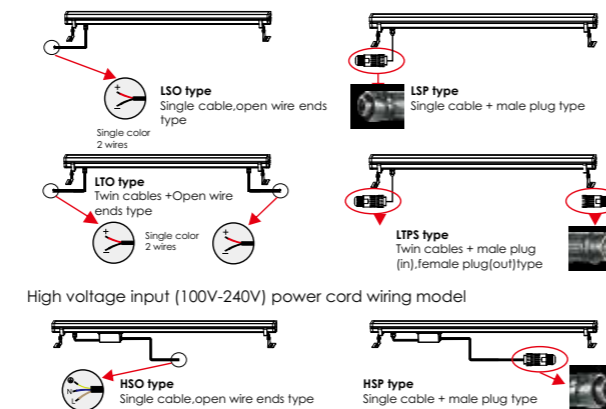
## OPTICS



## MATERIAL SPECIFICATIONS

- HOUSING** | Extruded aluminum, powder coated
- LENS** | Optical lens, efficiency ≥ 85%
- LIGHT WINDOW** | Tempered glass, T=3mm
- CABLE GLAND** | IP68 PG-13.5 PA66
- GASKET** | Glass and housing are silicone sealed
- LED** | NICHIA SMD 3535
- OPERATING TEMPERATURE** | -20°C ~ 40°C
- BRACKET** | 12# Die-casting powder coated aluminum
- POWER CABLE** | H07RN-F 2X1.5mm<sup>2</sup> L=0.25m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.6m (high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

Low voltage input (24VDC) power cord model



## OPTIONAL HONEYCOMB LOUVER



•Air Valve



•Cap-Optional Accessory

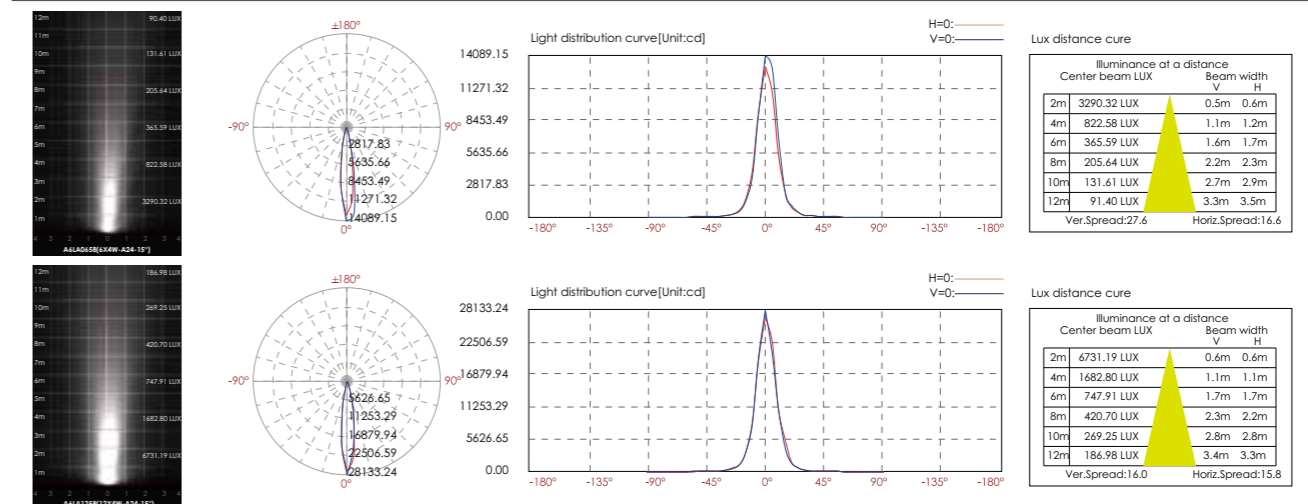


•Adjustable beam direction

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	LENGTH(MM)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
A6FA0658	6X4W Nichia	A24	15°	525	24V DC 120/240	24V = 1200	24V = 28.8	Cool White = 1930 Warm White = 1583	05
						120V = 222	120V = 26		
						240V = 114	240V = 11.4		
A6FA1258	12X4W Nichia	A24	15°	1025	24V DC 120/240	24V = 2380	24V = 57.6	Cool White = 4417 Warm White = 3622	05
						120V = 425	120V = 50		
						240V = 215	240V = 51		

## PHOTOMETRIC CURVES



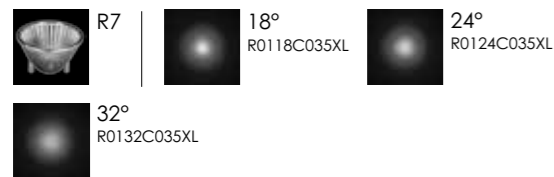
# High Luminance COB LED Linear Wall Washer



## LED COLOUR TEMPERATURE

3000K · 6000K

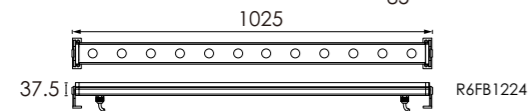
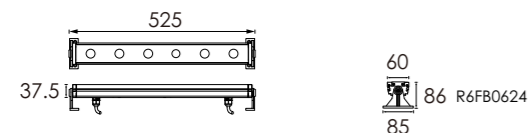
## OPTICS



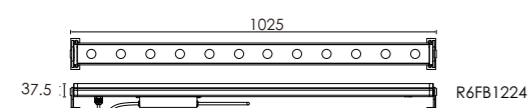
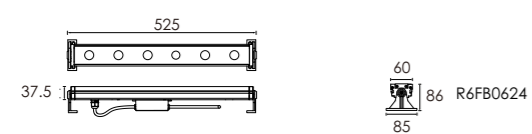
## OUTER DIMENSIONS & ACCESSORIES

Unit:mm

Low voltage input (24VDC)



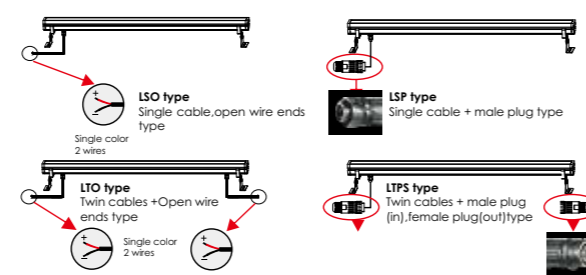
High voltage input (100V-240V)



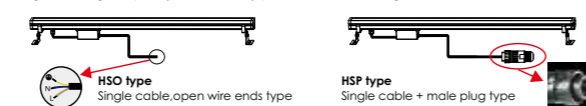
## MATERIAL SPECIFICATIONS

- HOUSING** | Extruded aluminum, powder coated
- REFLECTOR** | Optical Reflector, efficiency ≥ 85%
- LIGHT WINDOW** | Step tempered glass, T=3mm
- CABLE GLAND** | IP68 PG-11.0 PA66
- GASKET** | IP68 plug male/female (option)
- LED** | CREE
- OPERATING TEMPERATURE** | -20°C ~ 40°C
- BRACKET** | 12# Die-casting powder coated aluminum
- POWER CABLE** | Input: waterproof plug connector  
Output: waterproof socket connector  
2XH05RR-F 2X1.50mm<sup>2</sup> L=0.3m (low voltage)  
2XH05RN-F 3X1.00mm<sup>2</sup> L=1.0m (high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

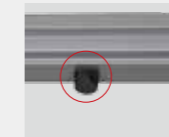
Low voltage input (24VDC) power cord model



High voltage input (100V-240V) power cord wiring model



## OPTIONAL HONEYCOMB LOUVER



• Air Valve



• Cap-Optional Accessory

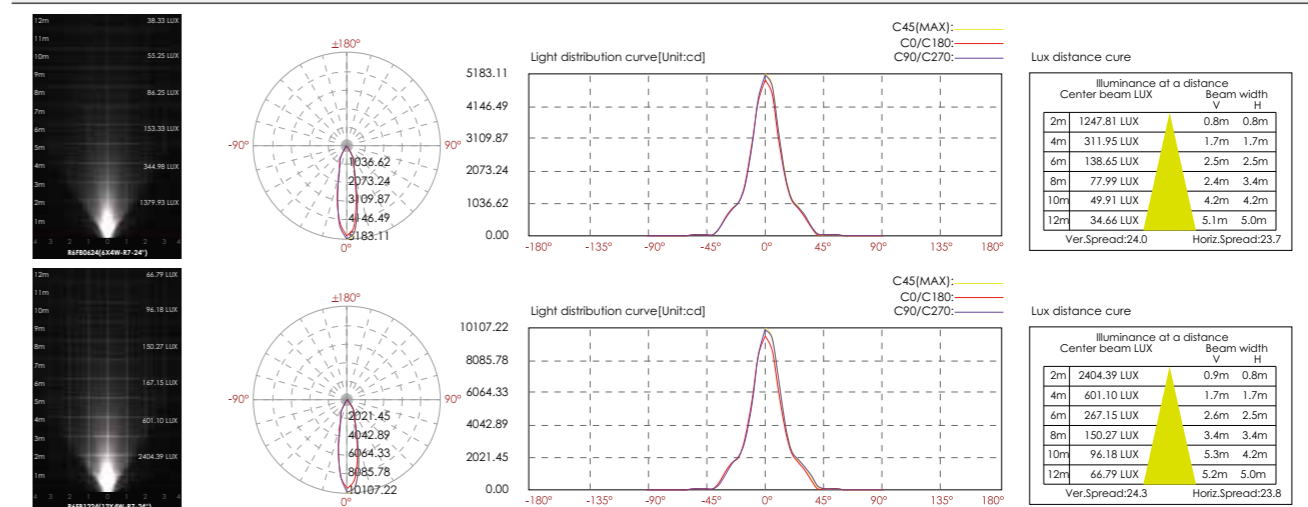


• Adjustable beam direction

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	LENGTH(MM)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R6FB0624	6×4W CREE	R7	24°	525	24V DC 120/240	24V = 1200	24V = 28.8	Cool White = 2345 Warm White = 2088	05
						120V = 230	120V = 25		
						240V = 117	240V = 25		
R6FB1224	12×4W CREE	R7	24°	1025	24V DC 120/240	24V = 2380	24V = 57.6	Cool White = 4645 Warm White = 4134	05
						120V = 422	120V = 50		
						240V = 217	240V = 49.5		

## PHOTOMETRIC CURVES







# High Luminance Output LED Linear Wall Washer



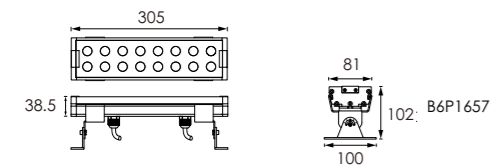
## OPTICS



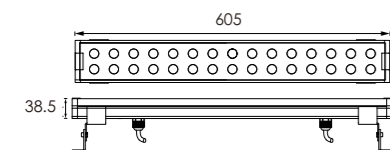
## OUTER DIMENSIONS & ACCESSORIES

Unit:mm

Low voltage input (24VDC)

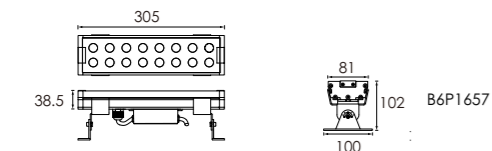


B6P1657

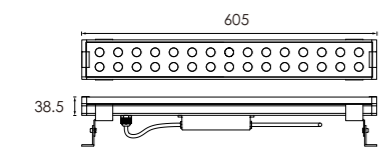


B6P3057

High voltage input (100V-240V)



B6P1657



B6P3057

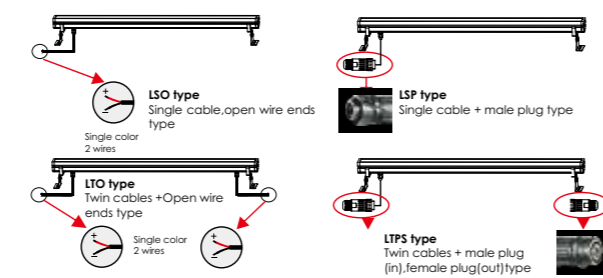
## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

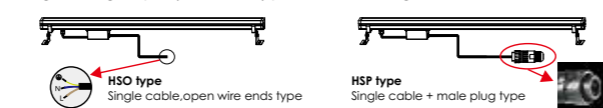
## MATERIAL SPECIFICATIONS

- HOUSING** | Extruded aluminum, powder coated
- LENS** | Optical lens, efficiency ≥ 85%
- LIGHT WINDOW** | Step tempered glass, T=4mm
- CABLE GLAND** | IP68 PG-11 PA66
- GASKET** | IP68 plug male/female (option)
- LED** | OSRAM
- OPERATING TEMPERATURE** | -20°C ~ 40°C
- BRACKET** | Stainless steel, T=1.5mm
- POWER CABLE** | Input: waterproof plug connector  
Output: waterproof socket connector  
2XH07RN-F 2X1.50mm2L=0.3m (low voltage)  
2XH05RN-F 3X1.00mm2L=1.0m (high voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

Low voltage input (24VDC) power cord model



High voltage input (100V-240V) power cord wiring model



## LIGHTING EFFECT DEMO



B6P1657



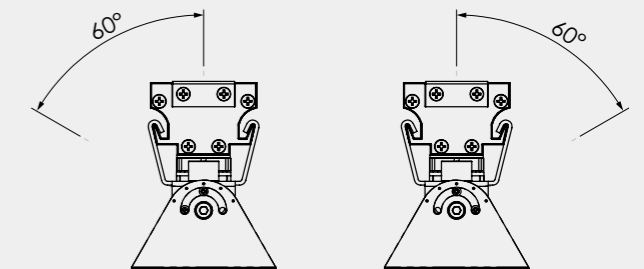
B6P3057



• Cap-Optional Accessory



• Air Valve

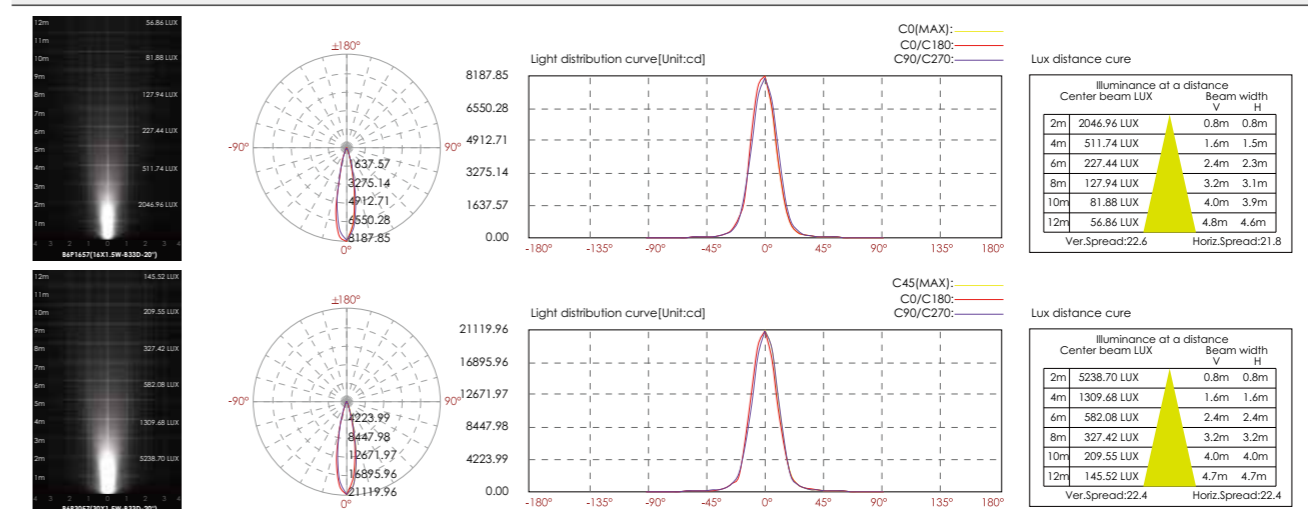


• Adjustable beam direction

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	LENGTH(MM)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B6P1657	16×1.5W	B33D	20°	305	24V DC 120/240	24V = 1050	24V = 25	Cool White = 2000 Warm White = 1592	05
						120V = 223	120V = 26		
						240V = 124	240V = 26.4		
B6P3057	30×1.5W	B33D	20°	605	24V DC 120/240	24V = 1750	24V = 42	Cool White = 4040 Warm White = 2730	05
						120V = 396	120V = 47		
						240V = 219	240V = 48		

## PHOTOMETRIC CURVES



6K Series  
Symmetrical 24V DC  
IP-66 Slim Light Bar

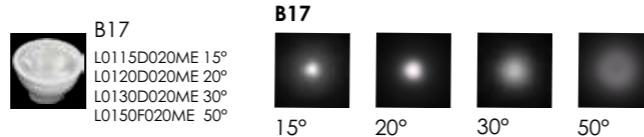


B6KA1257  
B6KA2457

LED COLOUR TEMPERATURE

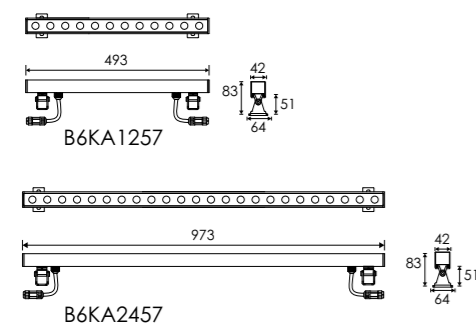
2000K · 3000K · 6000K

OPTICS



OUTER DIMENSIONS

Unit:mm



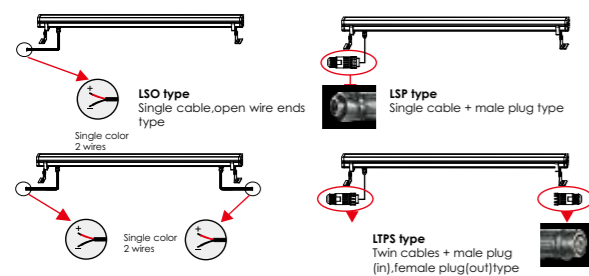
MATERIAL SPECIFICATIONS

- Housing** | Extruded aluminum anodized finishing or powder painting
- Lens** | Optical lens efficiency≥85%
- Light window** | Tempered glass.T=4mm
- Cable gland** | IP68 PG-9 PA66
- Gasket** | Glass and housing are silicone sealed
- LED** | Single color ORSAM LED
- Operating temperature** | -20°C~40°C
- Bracket** | Hard chromeplated stainless steel SUS 304#
- Power Cable** | H05RN-F 2X1.0mm<sup>2</sup> L=0.25m (low voltage)
- Dimmable Support** | Triac PWM 1-10V Dali

Optional Honeycomb Louver



Low voltage input (24VDC) power cord model



TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
B6KA1257	12×1.5W	B17	20°	24V DC	1000	24	Cool white =1485 Warm white =1263	06
B6KA2457	24×1.5W	B17	30°	24V DC	1985	47	Cool white =2900 Warm white =2470	06

LINEAR  
BEAM

Symmetrical 120/240V  
IP-66 Slim Light Bar

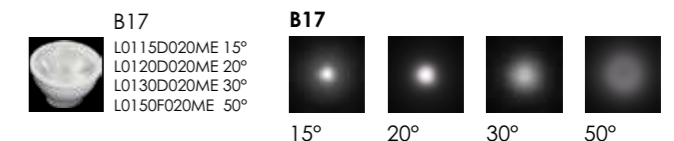


B6KC1257  
B6KC2457

LED COLOUR TEMPERATURE

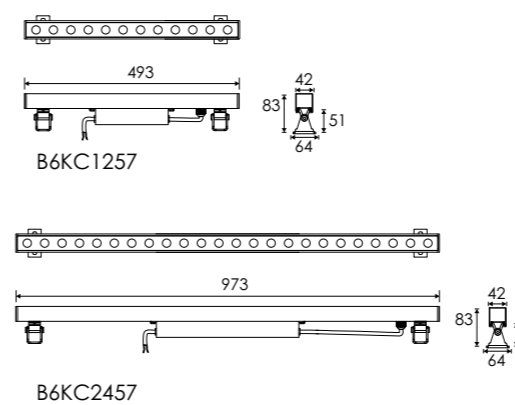
2000K · 3000K · 6000K

OPTICS



OUTER DIMENSIONS

Unit:mm



MATERIAL SPECIFICATIONS

- Housing** | Extruded aluminum anodized finishing or powder painting
- Lens** | Optical lens efficiency≥85%
- Light window** | Tempered glass.T=4mm
- Cable gland** | IP68 PG-9 PA66
- Gasket** | Glass and housing are silicone sealed
- LED** | Single color ORSAM LED
- Operating temperature** | -20°C~40°C
- Bracket** | Hard chromeplated stainless steel SUS 304#
- Power Cable** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m (low voltage)

Optional Honeycomb Louver



High voltage input (100V-240V) power cord wiring model



TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
B6KC1257	12×1.5W	B17	20°	120/240V	120V = 203 240V = 109	120V = 24.4 240V = 25.2	Cool white =1637 Warm white =1392	05
B6KC2457	24×1.5W	B17	20°	120/240V	120V = 414 240V = 212	120V = 48.0 240V = 48.3	Cool white =3270 Warm white =2780	05

# 6J Series

Symmetrical 24V DC  
IP-66 Ultra Slim Light Bar

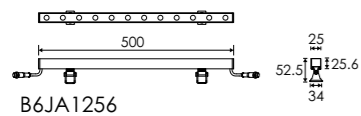


### LED COLOUR TEMPERATURE

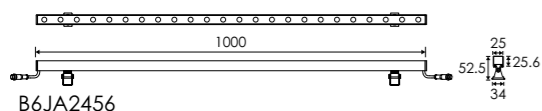
2000K · 3000K · 6000K

### OUTER DIMENSIONS

Unit:mm



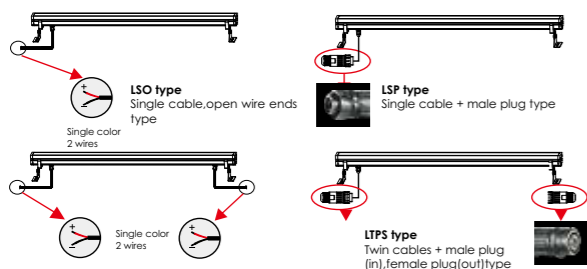
B6JA1256



B6JA2456



### Low voltage input (24VDC) power card model



### TECHNICAL DATA

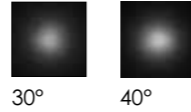
Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Length L=(mm)	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
<b>B6JA1256</b>	12×1W	B38	30°	500	24V DC	610	14.5	Cool white =820 Warm white =700	03
<b>B6JA2456</b>	24×1W	B38	30°	1000	24V DC	1220	29	Cool white =1660 Warm white =1413	03

### OPTICS



**B38**  
L0130D014YH 30°  
L0140D014YH 40°

**B38**



### MATERIAL SPECIFICATIONS

<b>Housing</b>	Extruded aluminum anodized finishing or powder painting
<b>Lens</b>	Optical lens efficiency≥85%
<b>Light window</b>	Tempered glass, T=3mm
<b>Gasket</b>	Glass and housing are silicone sealed
<b>LED</b>	Single color ORSAM LED
<b>Operating temperature</b>	-20°C~40°C
<b>Bracket</b>	Hard chromeplated stainless steel SUS 304#
<b>Power Cable</b>	H03VV-F 2X0.75mm <sup>2</sup> L=0.25m
<b>Dimmable Support</b>	Triac PWM 1-10V Dali

### Optional Honeycomb Louver



LINEAR  
BEAM

Symmetrical 120/240V  
IP-66 Ultra Slim Light Bar

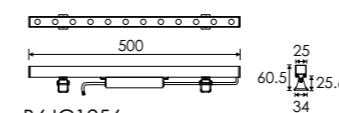


### LED COLOUR TEMPERATURE

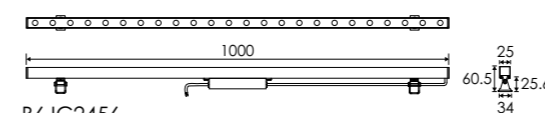
2000K · 3000K · 6000K

### OUTER DIMENSIONS

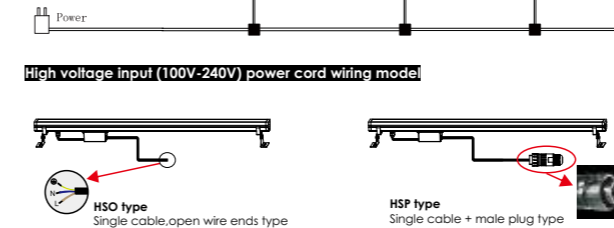
Unit:mm



B6JC1256



B6JC2456



### TECHNICAL DATA

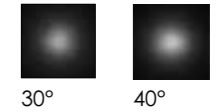
Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Length L=(mm)	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
<b>B6JC1256</b>	12×1W	B38	30°	500	120/240V	120V = 130 240V = 65	120V = 15.0 240V = 15.0	Cool white =1080 Warm white = 864	02
<b>B6JC2456</b>	24×1W	B38	30°	1000	120/240V	120V = 295 240V = 163	120V = 35 240V = 35	Cool white =2140 Warm white =1976	02

### OPTICS



**B38**  
L0130D014YH 30°  
L0140D014YH 40°

**B38**



### MATERIAL SPECIFICATIONS

<b>Housing</b>	Extruded aluminum anodized finishing or powder painting
<b>Lens</b>	Optical lens efficiency≥85%
<b>Light Window</b>	Tempered glass, T=3mm
<b>Gasket</b>	Glass and housing are silicone sealed
<b>LED</b>	Single color ORSAM LED
<b>Operating temperature</b>	-20°C~40°C
<b>Bracket</b>	Hard chromeplated stainless steel SUS 304#
<b>Power Cable</b>	H03VV-F 3X0.1mm <sup>2</sup> L=0.5m

### Optional Honeycomb Louver



6L Series  
Symmetrical 24V DC  
IP-66 High Luminance Wall Washer

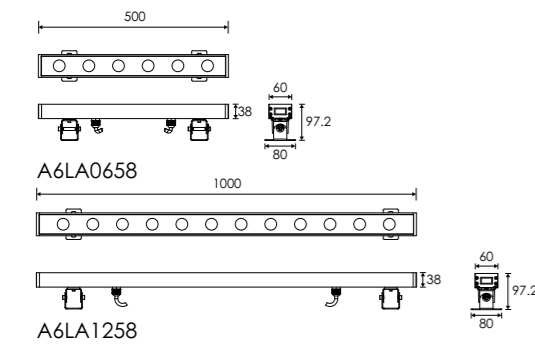


A6LA0658  
A6LA1258

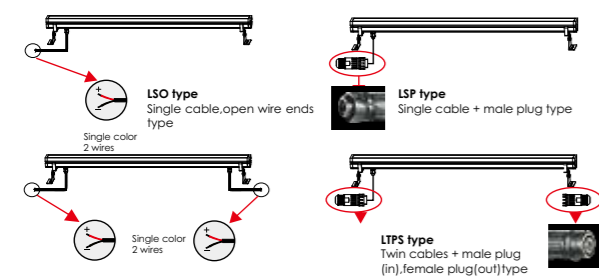
LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS Unit:mm



Low voltage input (24VDC) power cord model



TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Length L=(mm)	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
A6LA0658	6X4W Nichia	A24	15°	525	24V DC	24V = 1200	24V = 28.8	Cool white 2236 Warm white 1834	05
A6LA1258	12X4W Nichia	A24	15°	1025	24V DC	24V = 2380	24V = 57.6	Cool white 4417 Warm white 3622	05

LINEAR  
BEAM

6L Series  
Symmetrical 120/240V  
IP-66 High Luminance Wall Washer

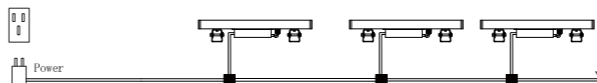
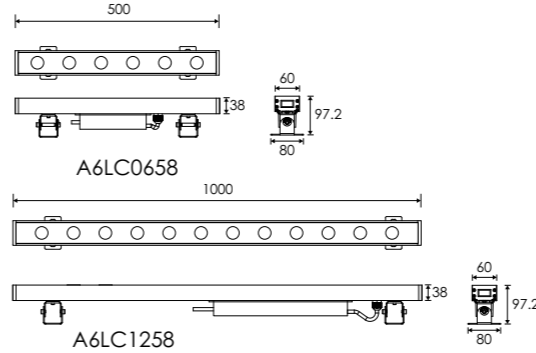


A6LC0658  
A6LC1258

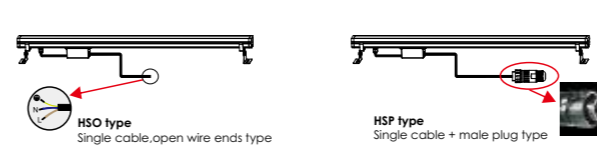
LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS Unit:mm



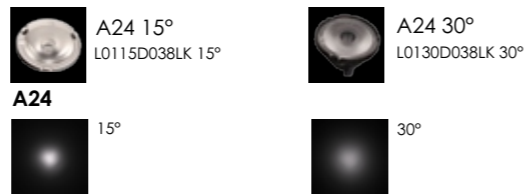
High voltage input (100V-240V) power cord wiring model



TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Length L=(mm)	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
A6LC0658	6X4W Nichia	A24	15°	525	120/240V	120V = 222 240V = 114	120V = 26 240V = 26.1	Cool white =2236 Warm white =1834	05
A6LC1258	12X4W Nichia	A24	15°	1025	120/240V	120V = 425 240V = 214	120V = 50 240V = 51	Cool white =4417 Warm white =3622	05

OPTICS



MATERIAL SPECIFICATIONS

- Housing** | Extruded aluminum, powder coated
- Lens** | Optical lens, efficiency ≥85%
- Light Window** | Tempered glass, T=4mm
- Cable gland** | IP-68 PG-13.5 PA66
- Gasket** | Glass and housing are silicone sealed
- LED** | NICHIA SMD 3535
- Operating temperature** | -20°C~40°C
- Bracket** | 12# Die-casting powder coated aluminum
- Power Cable** | H07RN-F 2X1.5mm<sup>2</sup> L=0.25m
- Dimmable Support** | Triac PWM 1-10V Dali

Optional Honeycomb Louver



OPTICS



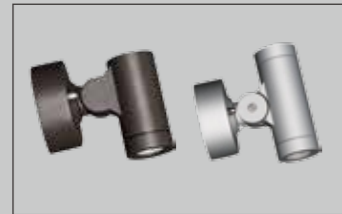
MATERIAL SPECIFICATIONS

- Housing** | Extruded aluminum, powder coated
- Lens** | Optical lens, efficiency ≥85%
- Light Window** | Tempered glass, T=4mm
- Cable gland** | IP-68 PG-9 PA66
- Gasket** | Glass and housing are silicone sealed
- LED** | NICHIA SMD 3535
- Operating temperature** | -20°C~40°C
- Bracket** | 12# Die-casting powder coated aluminum
- Power Cable** | H05RN-F 3X1.0mm<sup>2</sup> L=0.5m

Optional Honeycomb Louver



# WALL MOUNTING LANDSCAPE LIGHT



274



276



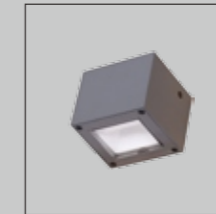
278



280



282



284



286



287



288



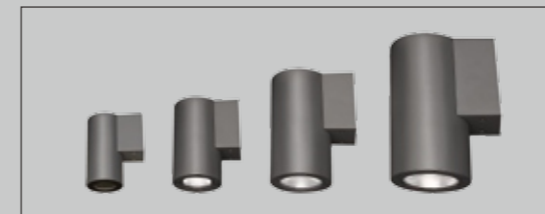
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290



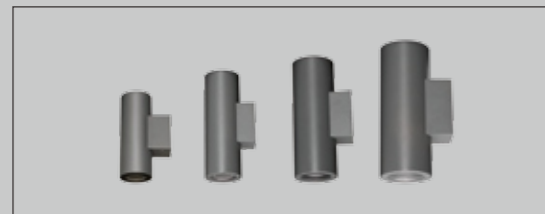
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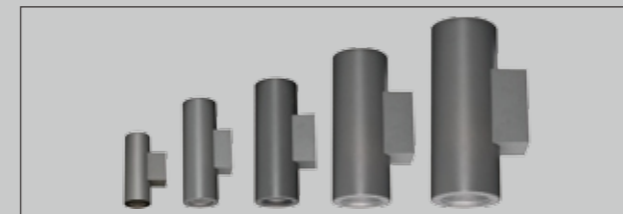
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296



300



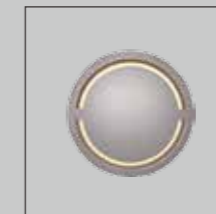
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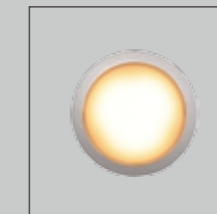
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308



310



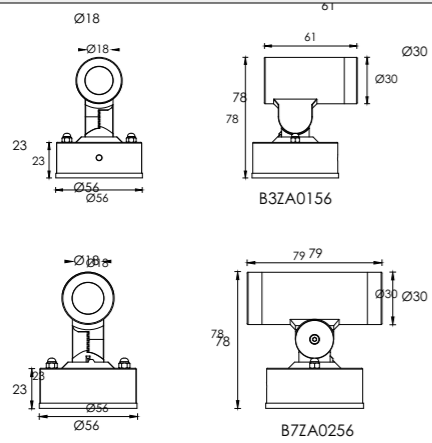
312

# Small Type Wall Mounting Landscape Light



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

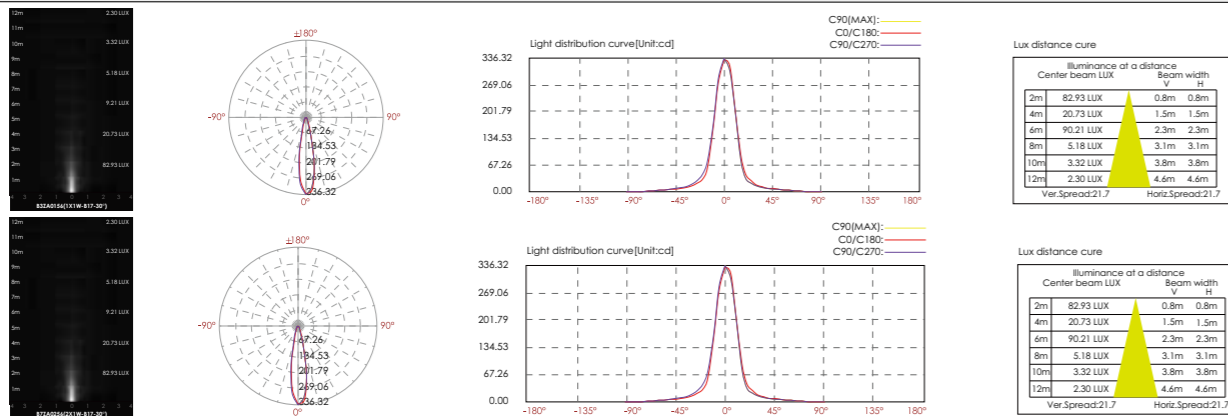
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
- LENS** | Optical lens, efficiency≥85%
- PC COVER** | UV-Resistance PC, T=3.5mm
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- PCB** | Excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
- LED** | OSRAM
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | AWM 1A 105°C 600V 18AWG FTI L=300mm
- MOUNTING BASE** | Powder coated die-casting aluminum
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

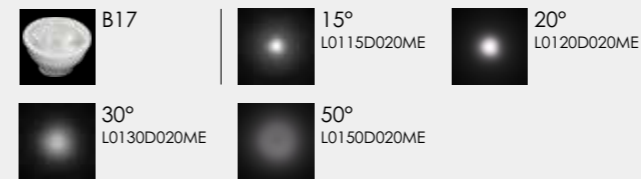
## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B3ZA0156</b>	1×1W	B17	30°	24V DC	48	1.2	Cool White = 100 Warm White = 83	02
<b>B7ZA0256</b>	2×1W	B17	30°	24V DC	91	2.2	Cool White = 100x2 Warm White = 83x2	02

## PHOTOMETRIC CURVES



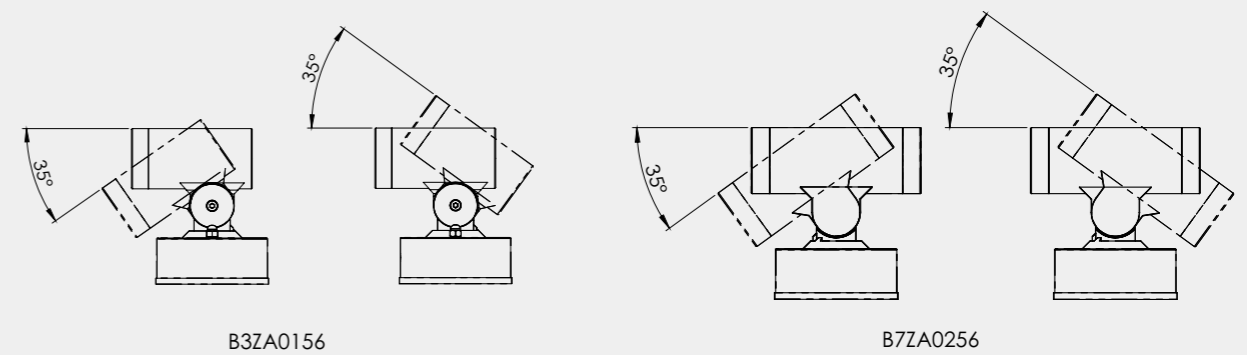
## OPTICS



## HOUSING COLOR OPTION



## ADJUSTABLE BEAM DIRECTION



# Wall Mounting Landscape Light

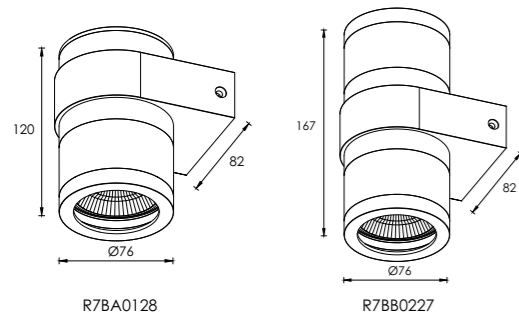


## LED COLOUR TEMPERATURE

3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



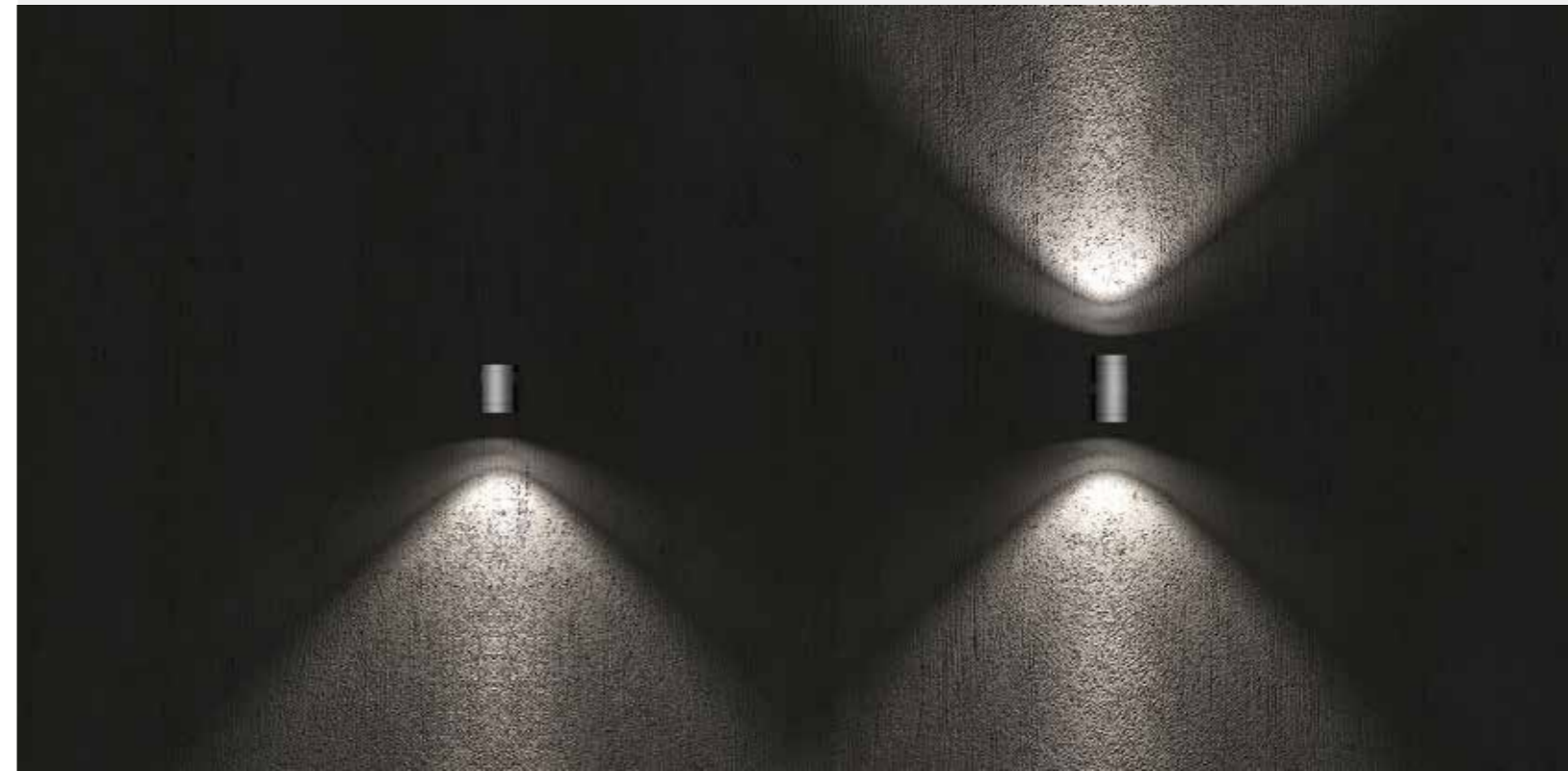
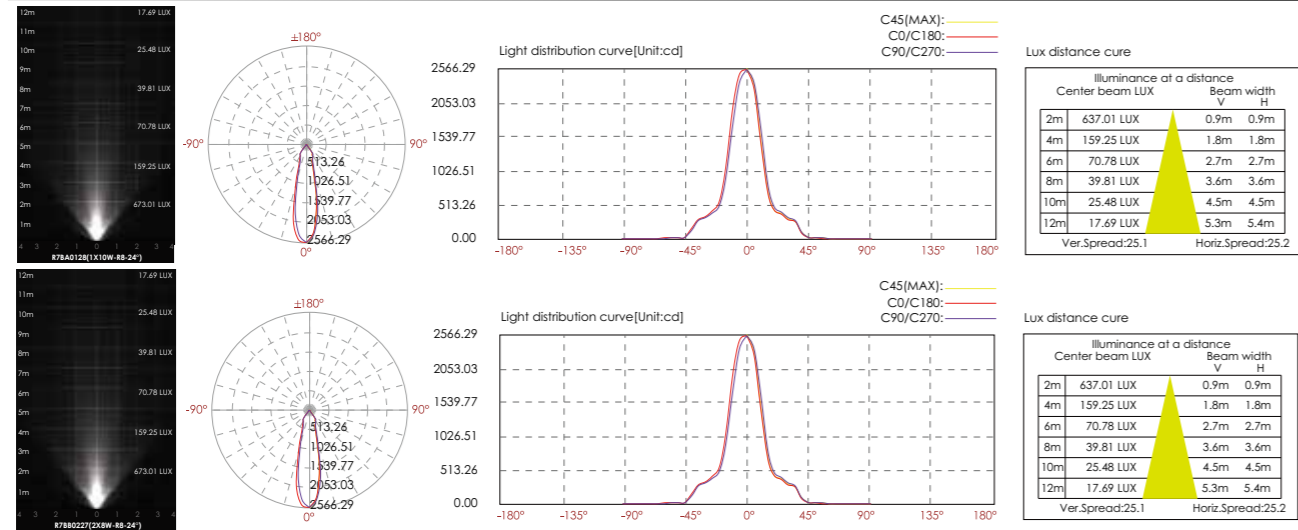
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
- REFLECTOR** | Optical Reflector, efficiency≥85%
- LIGHT WINDOW** | PMMA T=6mm
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- LED** | NICHIA
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.3m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.3m (high voltage)
- OPERATING TEMPERATURE** | -20°C~40°C

## TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
<b>R7BA0128</b>	1×10W COB	R8	24°	24V DC 120/240	24V = 480 120V = 107 240V = 60	24V = 11.5 120V = 12.6 240V = 12.6	Cool White = 1018 Warm White = 956
<b>R7BB0227</b>	2×8W COB	R8	24°	24V DC 120/240	24V = 822 120V = 182 240V = 103	24V = 19.7 120V = 21 240V = 21	Cool White = 1018x2 Warm White = 956x2

## PHOTOMETRIC CURVES



## OPTICS



## HOUSING COLOR OPTION



# Wall Mounting Landscape Light



WALL MOUNTING  
LANDSCAPE LIGHT

## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS



R3

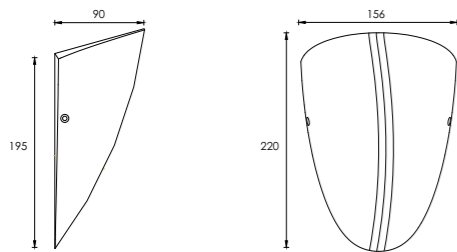


25°

R0115C061HM

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



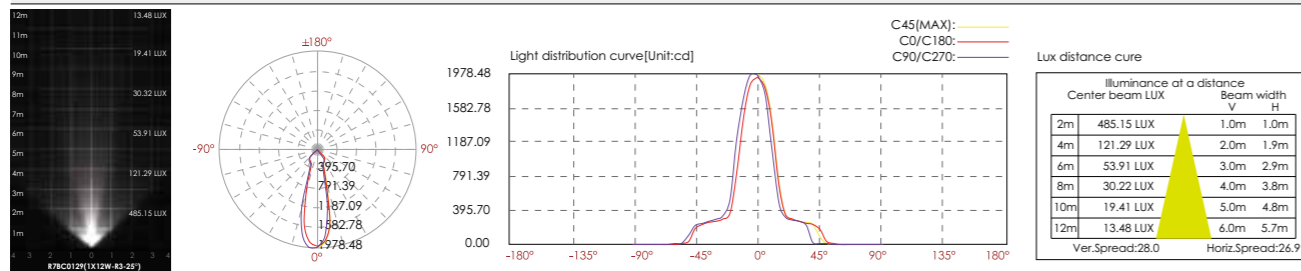
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
- FRONT COVER** | 12# Die-casting aluminum
- LIGHT WINDOW** | Tempered glass.T=3.5mm
- LED** | NICHIA
- LED DRIVER** | Constant Voltage Input,Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.3m(low voltage)  
H05RN-F 3X1.0mm2 L=0.3m(High voltage)

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R7BC0129	1x12W COB	R3	25°	24V DC 120/240	24V = 576 120V = 112 240V = 64	24V = 13.8 120V = 14 240V = 14.1	Cool White = 834 Warm White = 809	05

## PHOTOMETRIC CURVES



## HOUSING COLOR OPTION



Sanded Brown  
RAL 8019

Sanded Black  
RAL 9005

Sanded White  
RAL 9003



# Beam Effect Wall Mounting Landscape Light



## LED COLOUR TEMPERATURE

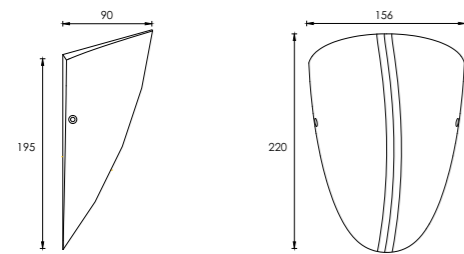
3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



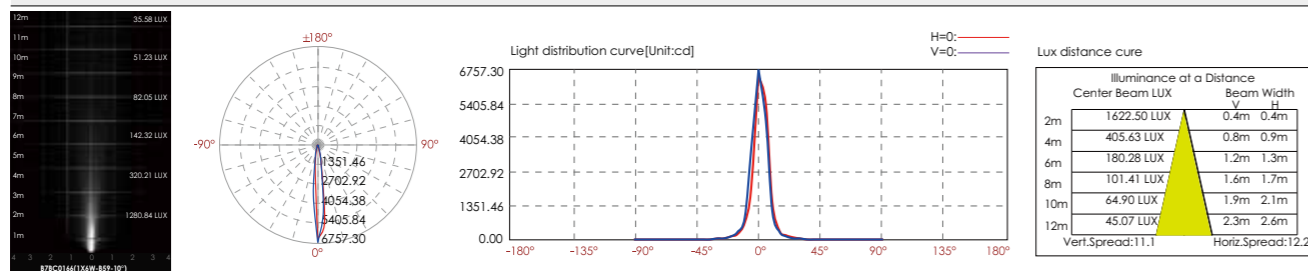
## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting dark grey powder coated aluminum T=60-80µm,Adhesion of ISO class 1/ASTM class 4B
<b>FRONT COVER</b>	12# Die-casting aluminum
<b>LIGHT WINDOW</b>	Tempered glass,T=3.5mm
<b>LED</b>	NICHIA
<b>LED DRIVER</b>	Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm <sup>2</sup> L=0.3m(Low voltage)   H05RN-F 3X1.0mm <sup>2</sup> L=0.3m(High voltage)

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B7BC0166</b>	1×6W	B59	10°	120/240	120V = 108 240V = 61	120V = 7.8 240V = 8.3	Cool White = 500 Warm White = 444	05

## PHOTOMETRIC CURVES



Above diagram effect shows a real simulation based on IES result and optical testing basis



## HOUSING COLOR OPTION



Sanded Brown  
RAL 8019

Sanded Black  
RAL 9005

Sanded White  
RAL 9003

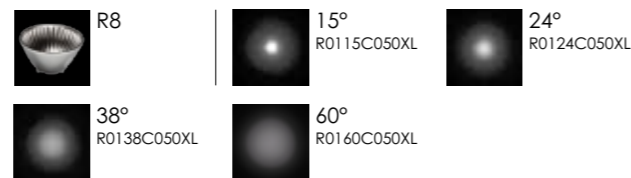
# Wall Mounting Landscape Light



## LED COLOUR TEMPERATURE

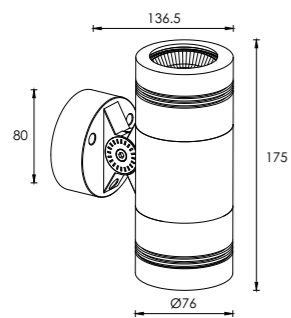
3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



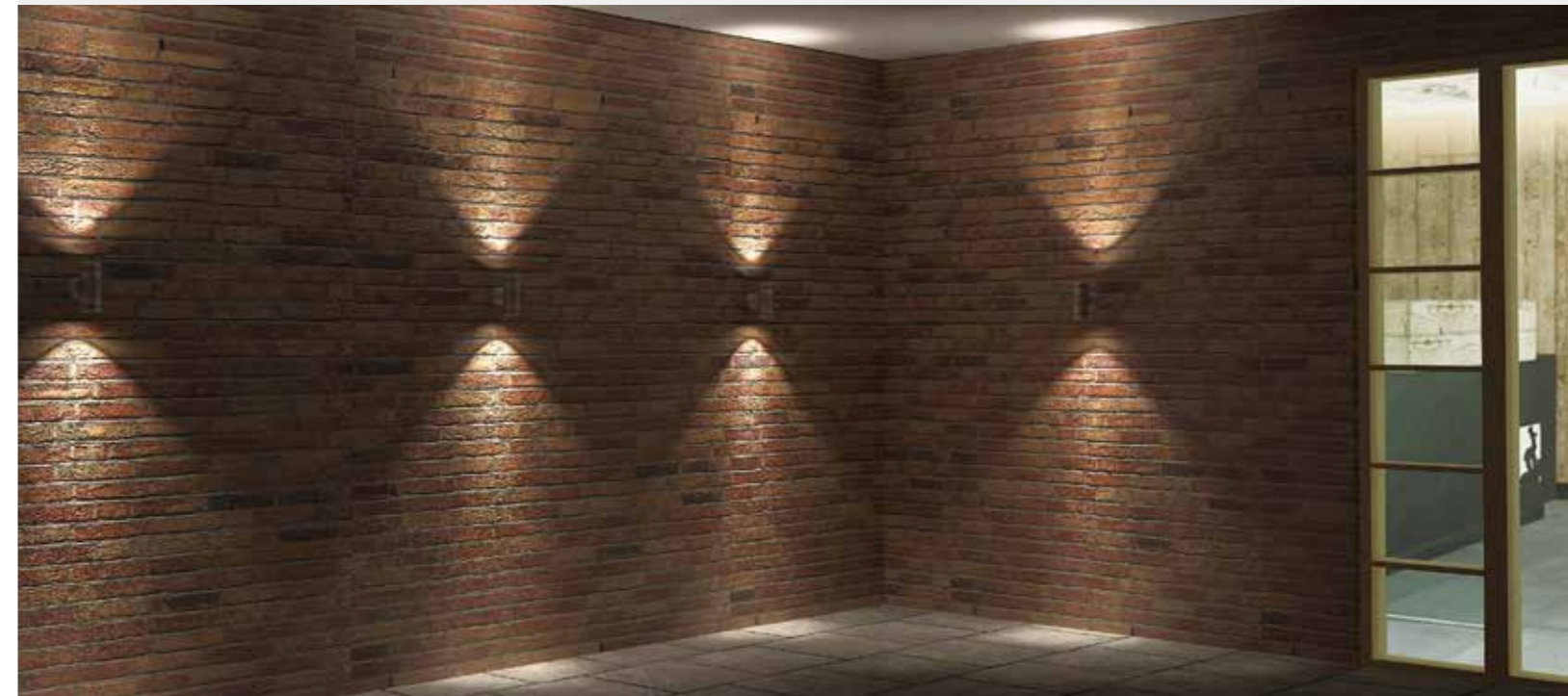
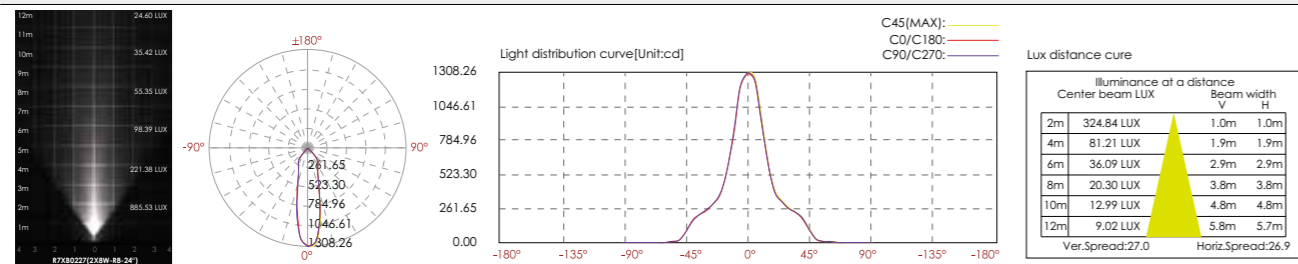
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
| T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- OPTICAL REFLECTOR** | Optical reflector efficiency ≥ 85%
- LIGHT WINDOW** | Tempered glass, T=4mm
- LED** | NICHIA
- OPERATING TEMPERATURE** | -20°C ~ 40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.3m (low voltage)  
| H05RN-F 3X1.0mm<sup>2</sup> L=0.3m (high voltage)
- MOUNTING BASE** | casting aluminum

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
R7XB0227	2×8W COB	R8	24°	24V DC 120/240	24V = 822 120V = 182 240V = 103	24V = 19.7 120V = 21 240V = 21	Cool White = 932×2 Warm White = 845×2

## PHOTOMETRIC CURVES



## HOUSING COLOR OPTION



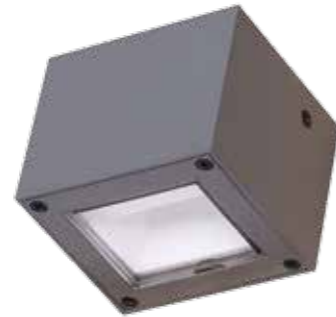
Sanded Brown  
RAL 8019

Sanded Black  
RAL 9005

Sanded White  
RAL 9003

# Wall Mounting Landscape Light

WALL MOUNTING  
LANDSCAPE LIGHT



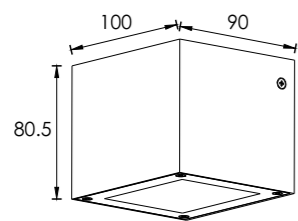
Single Side

## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## OPTICS

N/A

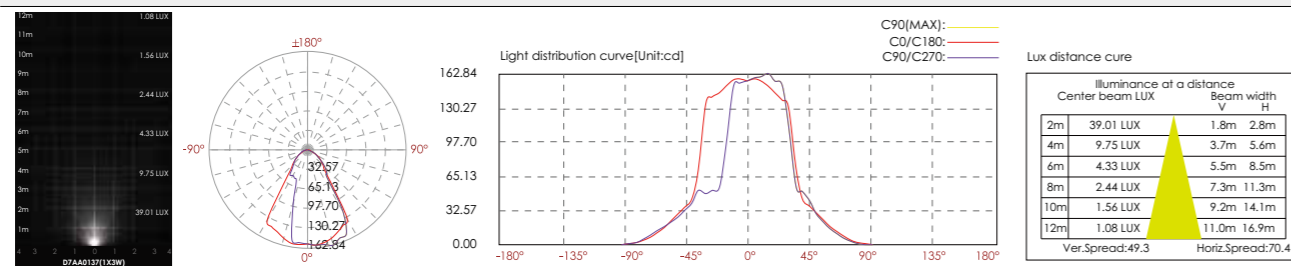
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
| T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | PC T=6mm
- GASKET** | Tooling shaped seal
- DRIVER** | Main voltage 100V-240V driver inside builded
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2×1.0mm<sup>2</sup> L=0.3m(low voltage)  
| H05RN-F 3×1.0mm<sup>2</sup> L=0.3m(high voltage)

## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D7AA0137	1×3W NICHIA	24V DC 120/240	24V = 134 120V = 36 240V = 22	24V = 3.1 120V = 4.4 240V = 4.5	155	06

## PHOTOMETRIC CURVES



## HOUSING COLOR OPTION

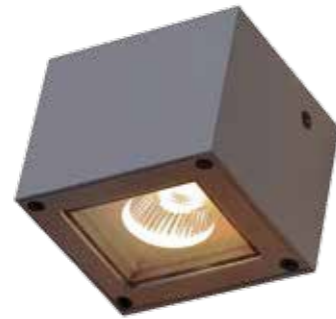


Sanded Brown  
RAL 8019

Sanded Black  
RAL 9005

Sanded White  
RAL 9003

# Wall Mounting Landscape Light



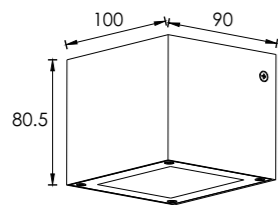
Single Side

## LED COLOUR TEMPERATURE

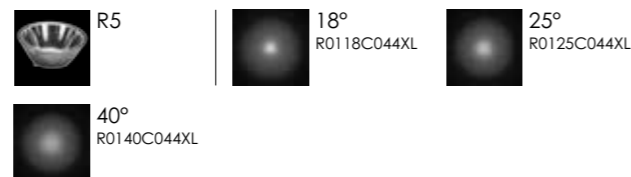
3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## OPTICS



## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | PC T=6mm
- GASKET** | Tooling shaped seal
- DRIVER** | Main voltage 100V-240V driver inside builded
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2×1.0mm<sup>2</sup> L=0.3m(low voltage)  
H05RN-F 3×1.0mm<sup>2</sup> L=0.3m(high voltage)

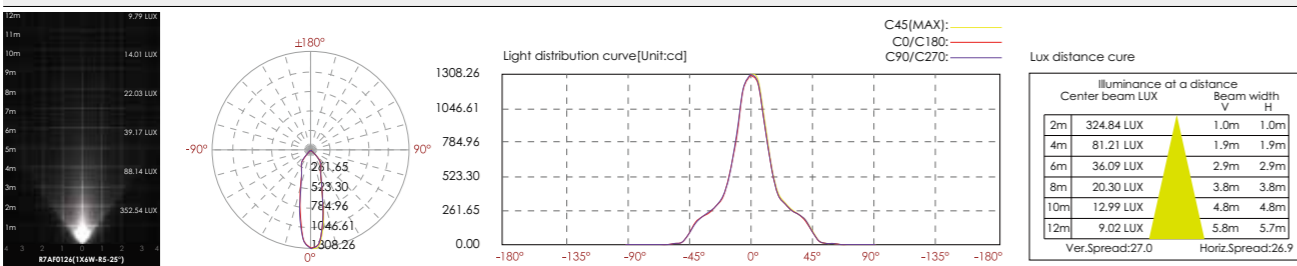
## HOUSING COLOR OPTION



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R7AF0126</b>	1×6W COB	R5	25°	24V DC 120/240	24V = 270 120V = 65 240V = 37	24V = 6.5 120V = 7.7 240V = 7.8	Cool White = 745 Warm White = 651	06

## PHOTOMETRIC CURVES



# Wall Mounting Landscape Light

WALL MOUNTING  
LANDSCAPE LIGHT



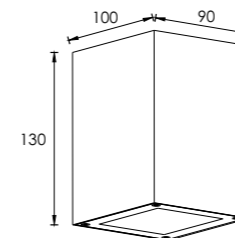
Double side

## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## OPTICS

N/A

## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | PC T=6mm
- GASKET** | Tooling shaped seal
- DRIVER** | Main voltage 100V-240V driver inside builded
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2×1.0mm<sup>2</sup> L=0.3m(low voltage)  
H05RN-F 3×1.0mm<sup>2</sup> L=0.3m(high voltage)

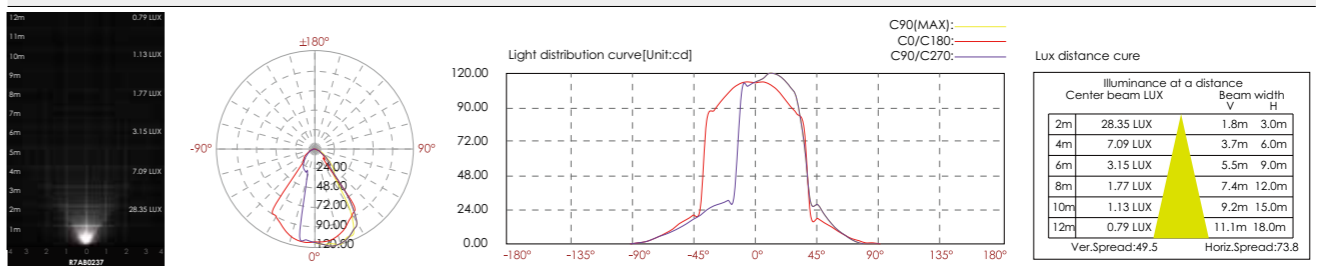
## HOUSING COLOR OPTION



## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>D7AB0237</b>	2×3W NICHIA	24V DC 120/240	24V = 268 120V = 73 240V = 42	24V = 6.2 120V = 8.5 240V = 8.6	2×155	06

## PHOTOMETRIC CURVES



# Wall Mounting Landscape Light



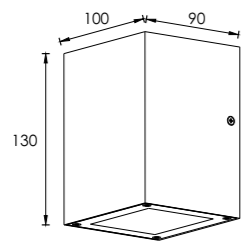
Double Side

### LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



### OPTICS

N/A

### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | PC T=6mm
- GASKET** | Tooling shaped seal
- DRIVER** | Main voltage 100V-240V driver inside builded
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2×1.0mm<sup>2</sup> L=0.3m(low voltage)  
H05RN-F 3×1.0mm<sup>2</sup> L=0.3m(high voltage)

### HOUSING COLOR OPTION



Dark Grey  
RAL 7037



Sanded White  
RAL 9003

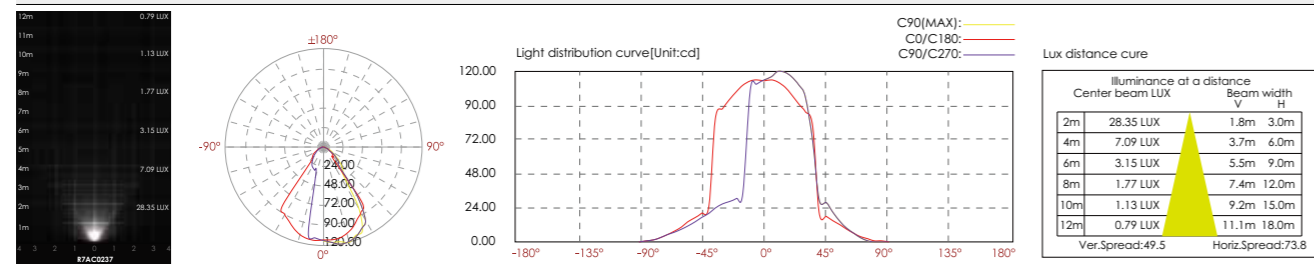


Sanded Black  
RAL9005

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	IK
D7AC0237	2×3W NICHIA	24V DC 120/240	24V = 268 120V = 138 240V = 73	24V = 6.2 120V = 8.5 240V = 8.6	06

### PHOTOMETRIC CURVES



WALL MOUNTING  
LANDSCAPE LIGHT

# Wall Mounting Landscape Light



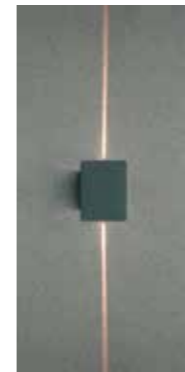
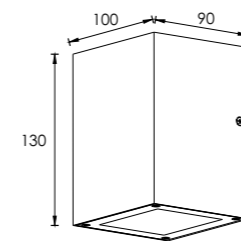
Double Side

### LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

### OUTER DIMENSIONS & ACCESSORIES

Unit:mm



### OPTICS

N/A

### MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | PC T=6mm
- GASKET** | Tooling shaped seal
- DRIVER** | Main voltage 100V-240V driver inside builded
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2×1.0mm<sup>2</sup> L=0.3m(low voltage)  
H05RN-F 3×1.0mm<sup>2</sup> L=0.3m(high voltage)

### HOUSING COLOR OPTION



Dark Grey  
RAL 7037



Sanded White  
RAL 9003

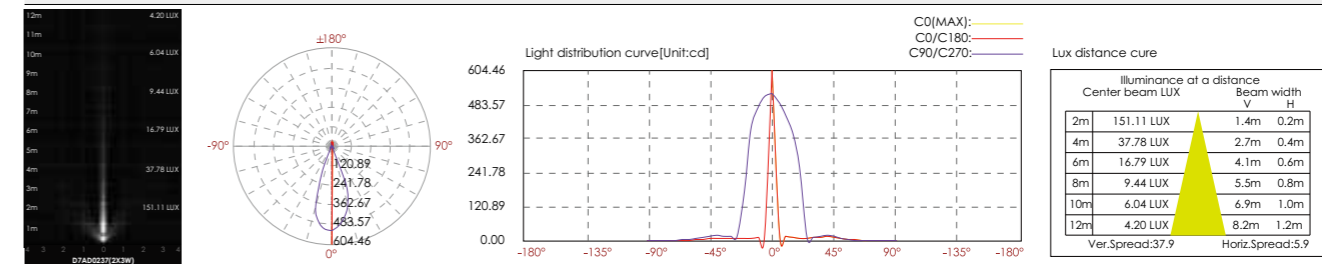


Sanded Black  
RAL9005

### TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	IK
D7AD0237	2×3W NICHIA	24V DC 120/240	24V = 268 120V = 73 240V = 42	24V = 6.2 120V = 8.5 240V = 8.6	06

### PHOTOMETRIC CURVES



# Wall Mounting Landscape Light

WALL MOUNTING  
LANDSCAPE LIGHT

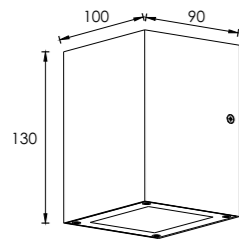


## LED COLOUR TEMPERATURE

3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## OPTICS



R5



18°  
R0118C044XL



25°  
R0125C044XL



40°  
R0140C044XL

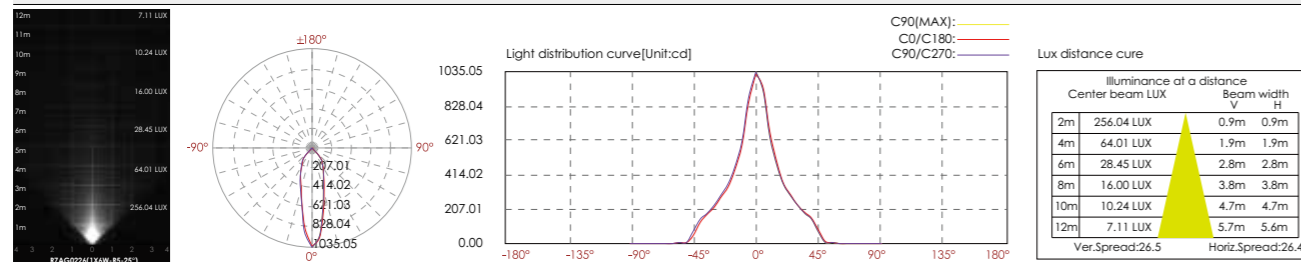
## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	12# Die-casting dark grey powder coated aluminum   T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
<b>LIGHT WINDOW</b>	PC T=6mm
<b>GASKET</b>	Tooling shaped seal
<b>DRIVER</b>	Main voltage 100V-240V driver inside builded
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>MOUNTING BASE</b>	H05RN-F 2×1.0mm <sup>2</sup> L=0.3m(low voltage)   H05RN-F 3×1.0mm <sup>2</sup> L=0.3m(high voltage)

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R7AG0226</b>	2×6W COB	R5	25°	24V DC 120/240	24V = 540 120V = 130 240V = 74	24V = 13 120V = 15.4 240V = 15.6	Cool White = 2x745 Warm White = 2x651	06

## PHOTOMETRIC CURVES



## HOUSING COLOR OPTION



Sanded Brown  
RAL 8019

Sanded Black  
RAL 9005

Sanded White  
RAL 9003

# Wall Mounting Landscape Lamp



Single Side

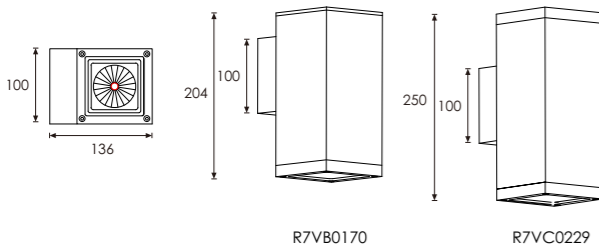
Double side

## LED COLOUR TEMPERATURE

3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



R7VB0170

R7VC0229

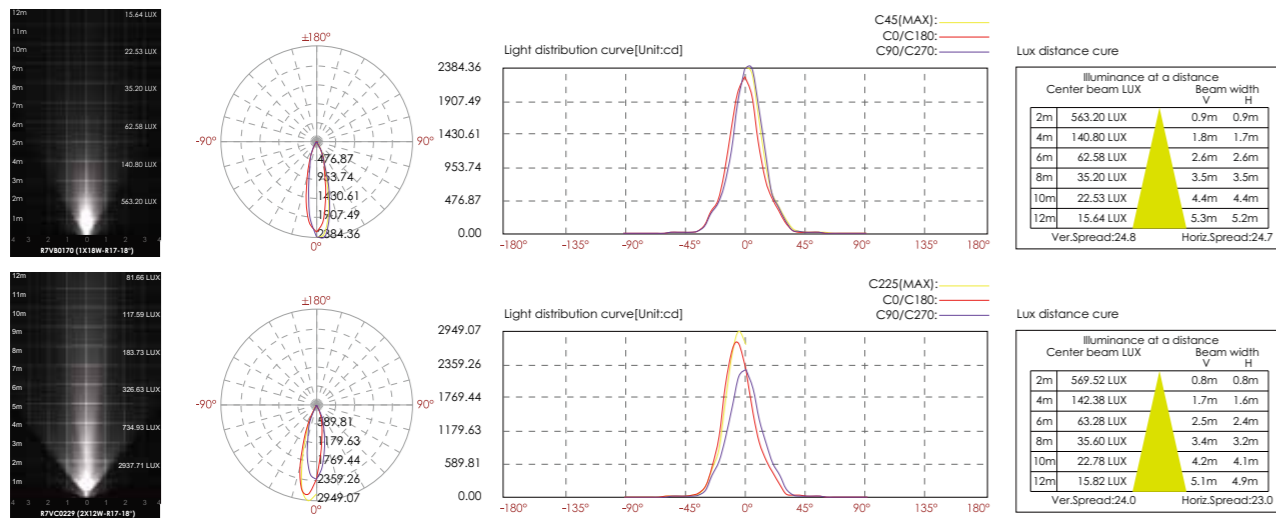
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum.  
T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | Glass T=3mm
- GASKET** | Tooling shaped seal
- LED DRIVER** | Main voltage 100V-240V driver inside builded
- LED** | NICHIA
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2×1.0mm<sup>2</sup> L=0.3m(low voltage)  
H05RN-F 3×1.0mm<sup>2</sup> L=0.3m(high voltage)

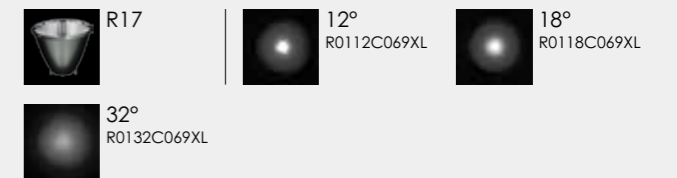
## TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R7VB0170</b>	1×18W COB	R17	18°	24V DC	24V = 833	24V = 20	Cool White = 1766 Warm White = 1705	06
				120V/240	120V = 178 240V = 96	120V = 20 240V = 21		
<b>R7VC0229</b>	2×12W COB	R17	18°	24V DC	24V = 1080	24V = 26	Cool White = 1303x2 Warm White = 1251x2	06
				120V/240	120V = 211 240V = 116	120V = 26.5 240V = 26		

## PHOTOMETRIC CURVES



## OPTICS



## HOUSING COLOR OPTION



# Single Side Wall Mounting Landscape Lamp

WALL MOUNTING  
LANDSCAPE LIGHT



R7AH0128

R7BH0170

R7CH0173

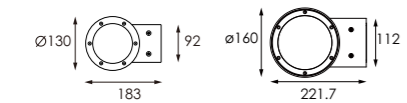
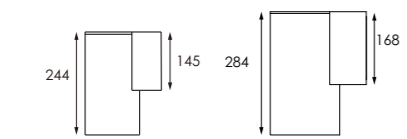
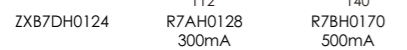
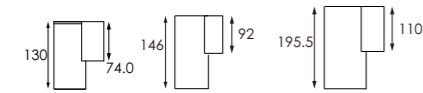


## LED COLOUR TEMPERATURE

3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## MATERIAL SPECIFICATIONS

**HOUSING MATERIAL** | Extruded aluminum alloy #6063  
Powder coating ,T= 60-80 um./Adhesion of ISO

**PAINTING** | class 1/ASTM class 4B

**REFLECTOR** | Optical reflector. efficiency≥85%

**LED** | NICHIA

**OPERATING TEMPERATURE** | -20°C~ 40°C

**POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.3m(low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.3m(High voltage)

**WEIGHT** | R7AH0128=1.0kg R7BH0170=1.9kg R7CH0173=2.5kg

## HOUSING COLOR OPTION



## OPTICS

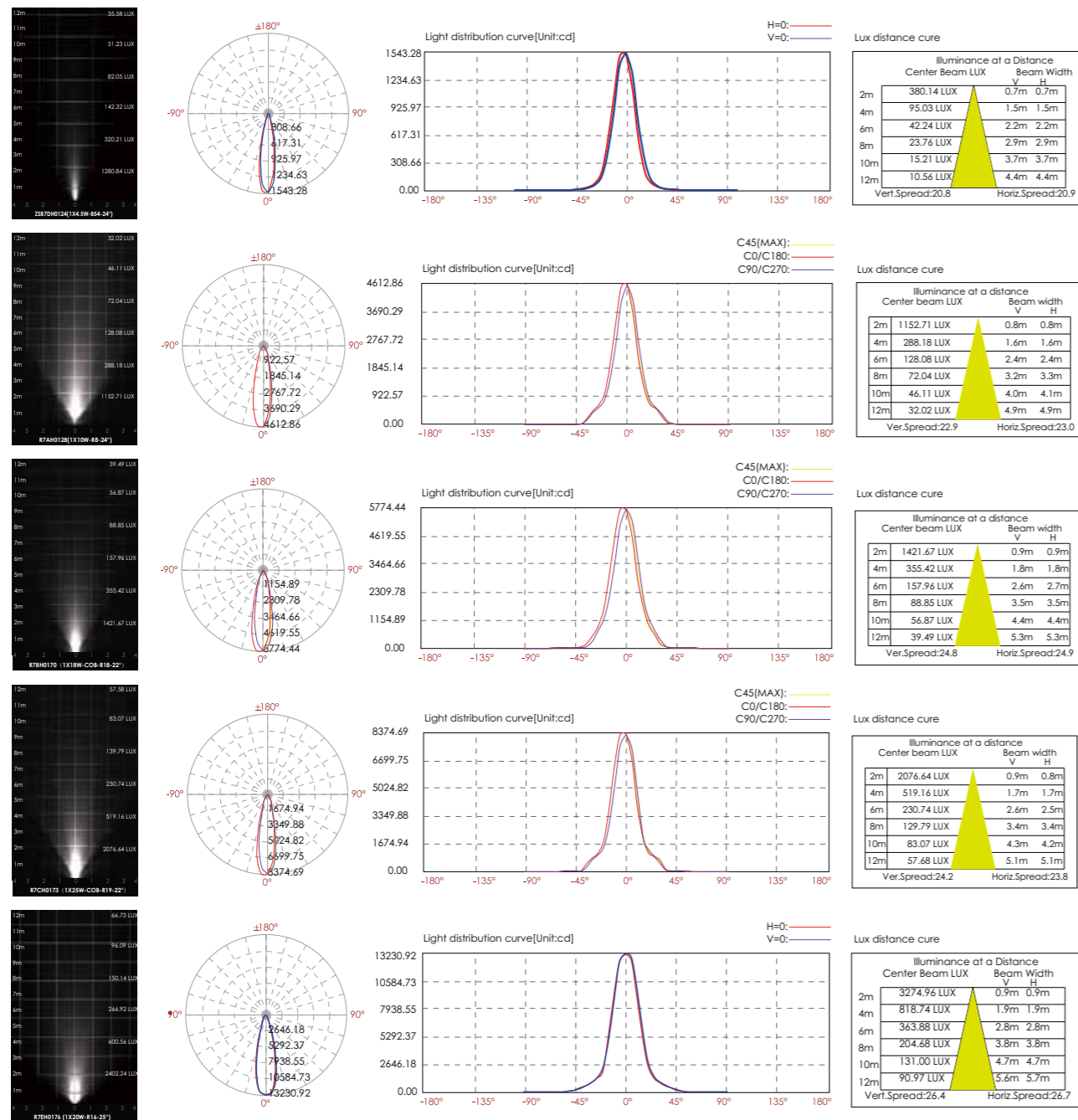
R8	15° R0115C050XL	24° R0124C050XL	38° R0138C050XL	60° R0160C050XL
R18	12° R0112C075XL	22° R0122C075XL	35° R0135C075XL	55° R0155C075XL
R19	10° R0110C095XL	22° R0122C095XL	38° R0138C095XL	
B54	15° L0115F035LK	24° L0124S035LK	38° L0138S035LK	
R16	12° R0112C110XL	25° R0125C110XL	38° R0138C110XL	

## TECHNICAL DATA

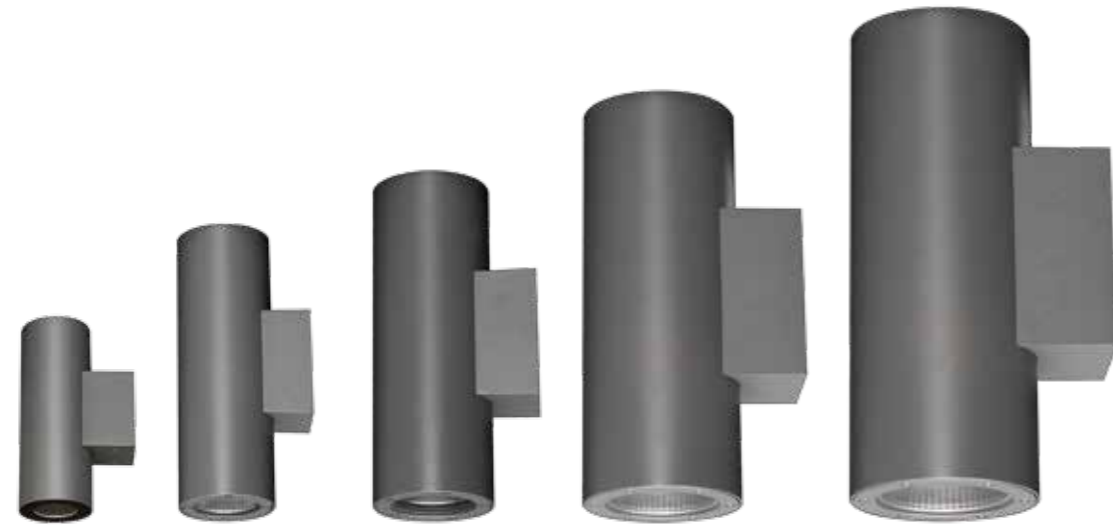
ITEM	LIGHT SOURCE	REFLECTOR	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZSB7DH0124	1×4.5W COB		B54	24°	24V DC 240	24V = 233 240V = 43	120V = 5.6 240V = 6	Warm White = 254	05
R7AH0128	1×10W COB	R8		24°	24V DC 120/240	24V = 480 120V = 112 240V = 63	24V = 11.5 120V = 13.1 240V = 13.5	Cool White = 1335 Warm White = 1170	10
R7BH0170	1×18W COB	R18		22°	24V DC 120/240	24V = 833 120V = 178 240V = 96	24V = 20 120V = 20 240V = 21.4	Cool White = 1684 Warm White = 1432	10
R7CH0173	1×25W COB	R19		22°	24V DC 120/240	24V = 1080 120V = 270 240V = 146	24V = 26 120V = 30 240V = 31	Cool White = 2615 Warm White = 2412	10
R7EH0176	1×40W COB	R16		25°	120/240	120V = 372 240V = 187	120V = 44.8 240V = 44.5	Cool White = 4112 Warm White = 3808	06



PHOTOMETRIC CURVES



# Double side Wall Mounting Landscape Lamp

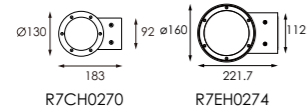
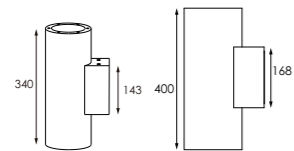
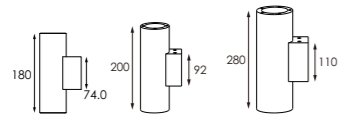


## LED COLOUR TEMPERATURE

3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



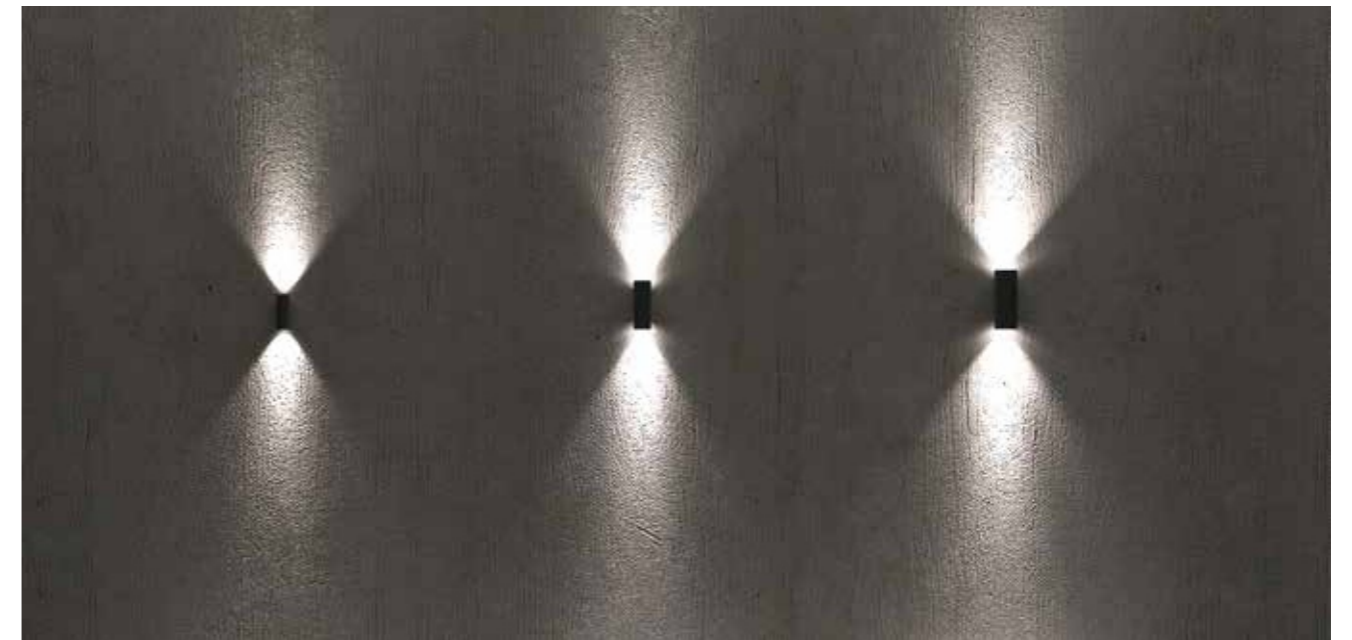
## MATERIAL SPECIFICATIONS

<b>HOUSING MATERIAL</b>	Extruded aluminum alloy #6063; Powder coating ,T= 60-80 um./Adhesion of ISO
<b>PAINTING</b>	I class 1/ASTM class 4B
<b>REFLECTOR</b>	I Optical reflector. efficiency≥85%
<b>LIGHT SOURCE</b>	I NICHIA
<b>OPERATING TEMPERATURE</b>	I -20°C~ 40°C
<b>POWER CABLE</b>	H05RN-F 2X1.0mm2 L=0.3m(low voltage) H05RN-F 3X1.0mm2 L=0.3m(High voltage)
<b>WEIGHT</b>	I R7AH0227=1.4kg R7BH0229=2.7kg R7CH0270=4.6kg

## HOUSING COLOR OPTION



WALL MOUNTING  
LANDSCAPE LIGHT



R7AH0227

R7BH0229

R7CH0270

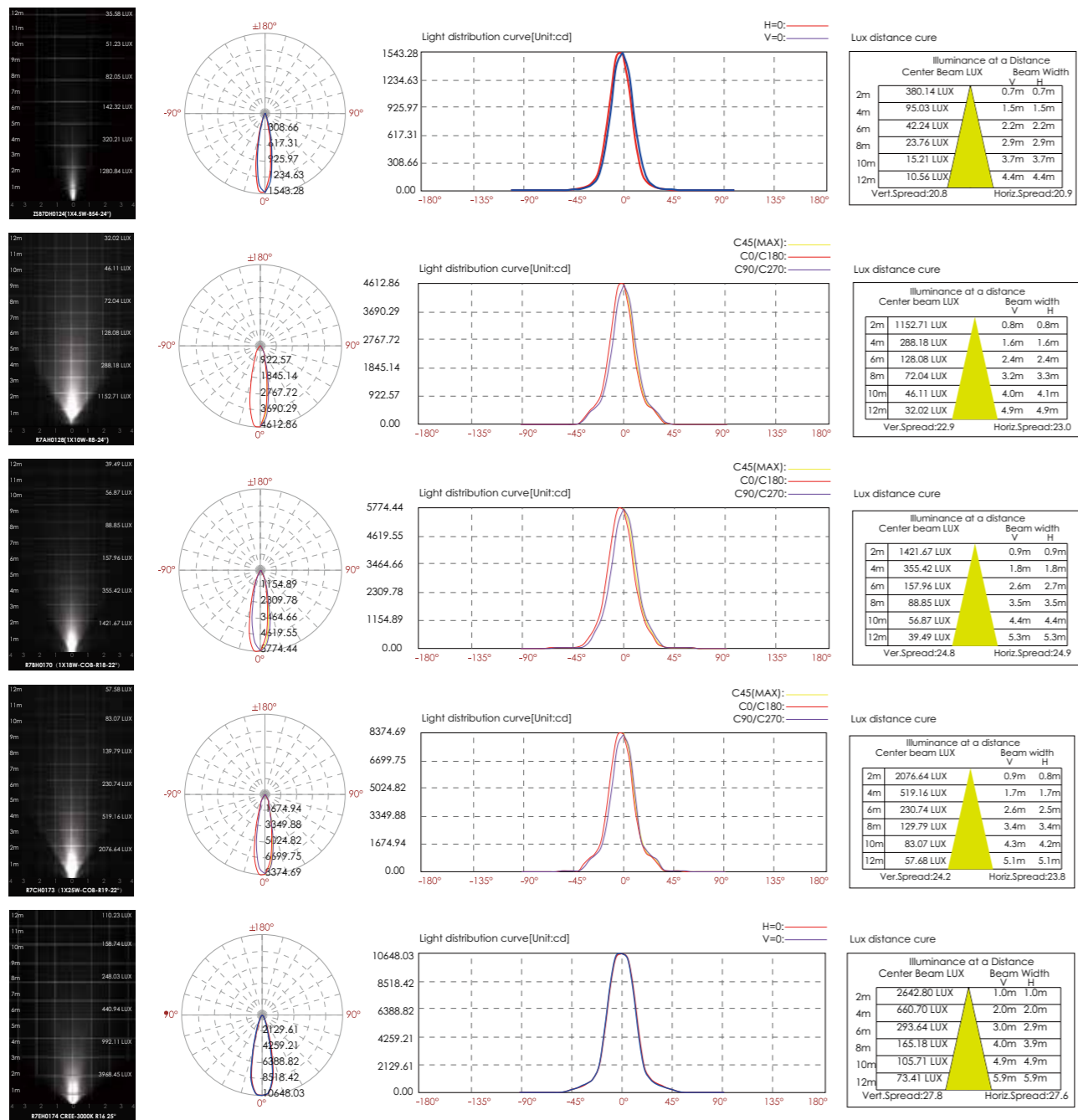
## OPTICS

R8	15° R0115C050XL	24° R0124C050XL	38° R0138C050XL	60° R0160C050XL
R18	12° R0112C075XL	22° R0122C075XL	35° R0135C075XL	55° R0155C075XL
R19	10° R0110C095XL	22° R0122C095XL	38° R0138C095XL	
B54	15° L0115F035LK	24° L0124S035LK	38° L0138S035LK	
R16	12° R0112C110XL	25° R0125C110XL	38° R0138C110XL	

## TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ZSB7DH0224	2×4.5W COB		B54	24°	24V DC 240V	24V = 479 240V = 81	24V = 11.5 240V = 12	Warm White = 254x2	05
R7AH0227	2×8W COB	R8		24°	24V DC 120/240	24V = 832 120V = 163 240V = 91	24V = 20 120V = 20 240V = 20.8	Cool White = 1053x2 Warm White = 986x2	10
R7BH0229	2×12W COB	R18		22°	24V DC 120/240	24V = 1080 120V = 210 240V = 116	24V = 26 120V = 25.5 240V = 25	Cool White = 1289x2 Warm White = 1079x2	10
R7CH0270	2×18W COB	R19		22°	24V DC 120/240	24V = 1660 120V = 340 240V = 182	24V = 40 120V = 40.5 240V = 42	Cool White = 1795x2 Warm White = 1617x2	10
R7EH0274	2×30W COB	R16		25°	120/240	120V = 540 240V = 292	120V = 60 240V = 62	Cool White = 3400x2 Warm White = 3177x2	06

PHOTOMETRIC CURVES



# Wall Mounting Landscape Light



WALL MOUNTING  
LANDSCAPE LIGHT



Surface mounted by 141# sleeve

## OPTICS

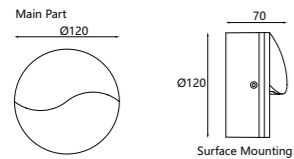
N/A

## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



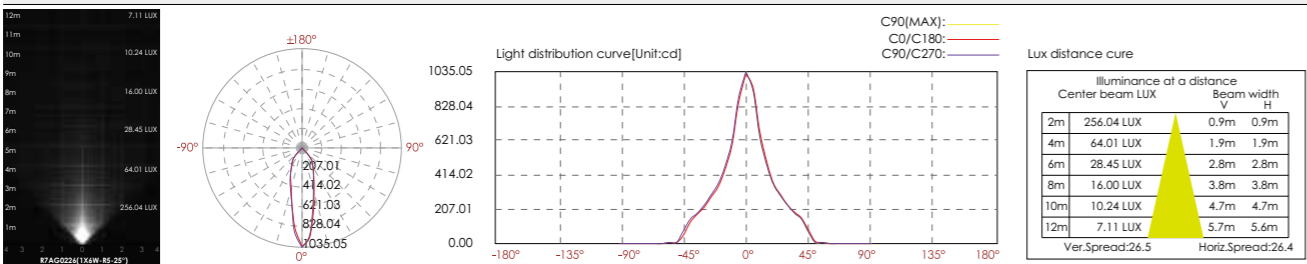
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80μm, Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | PC T=6mm
- GASKET** | Tooling shaped seal
- DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3×1.0mm<sup>2</sup> L=0.3m (high voltage)

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
D7AJ0634	6×0.5W NICHIA	97°	240	26	3	36

## PHOTOMETRIC CURVES



## HOUSING COLOR OPTION

Basic



Dark Grey  
KAP 7037

Secondary



Silver Resistant Paint  
RAL 9006



Sanded Black  
RAL9005

# Wall Mounting Landscape Light



WALL MOUNTING  
LANDSCAPE LIGHT



Surface mounted by 141# sleeve

## OPTICS

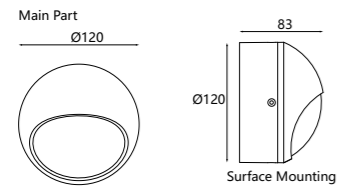
N/A

## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



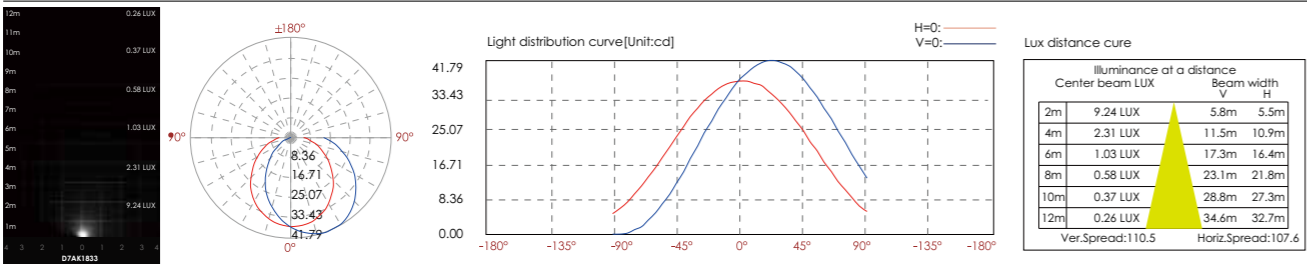
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80μm, Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | PC T=6mm
- GASKET** | Tooling shaped seal
- DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3×1.0mm<sup>2</sup> L=0.3m (high voltage)

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
D7AK1833	18×0.15W NICHIA	110°	240	24	3	117

## PHOTOMETRIC CURVES



## HOUSING COLOR OPTION

Basic



Dark Grey  
KAP 7037

Secondary



Silver Resistant Paint  
RAL 9006



Sanded Black  
RAL9005

# Wall Mounting Landscape Light



WALL MOUNTING  
LANDSCAPE LIGHT



Surface mounted by 141# sleeve

## LED COLOUR TEMPERATURE

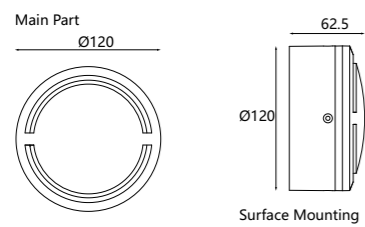
2000K · 3000K · 6000K

## OPTICS

N/A

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



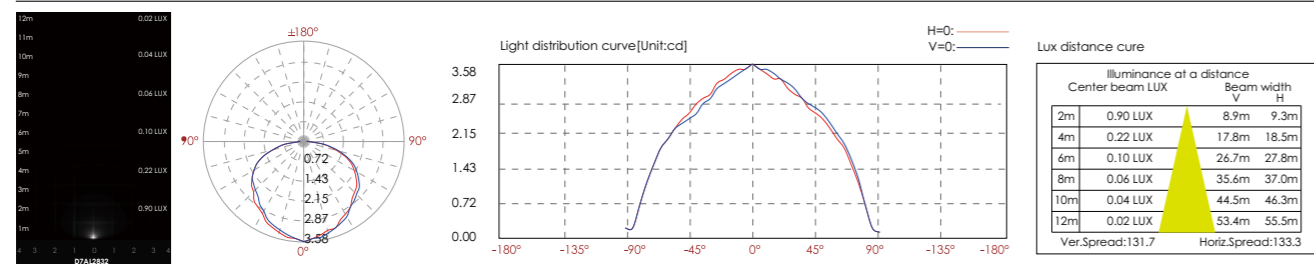
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80μm, Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | PC T=6mm
- GASKET** | Tooling shaped seal
- DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3×1.0mm<sup>2</sup> L=0.3m (high voltage)

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
D7A12832	28×0.1W NICHIA	130	240	14	3	12

## PHOTOMETRIC CURVES



## HOUSING COLOR OPTION

Basic



Dark Grey  
KAP 7037

Secondary



Silver Resistant Paint  
RAL 9006



Sanded Black  
RAL9005

# Wall Mounting Landscape Light



WALL MOUNTING  
LANDSCAPE LIGHT



Surface mounted by 141# sleeve

## LED COLOUR TEMPERATURE

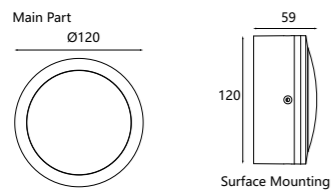
2000K · 3000K · 6000K

## OPTICS

N/A

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



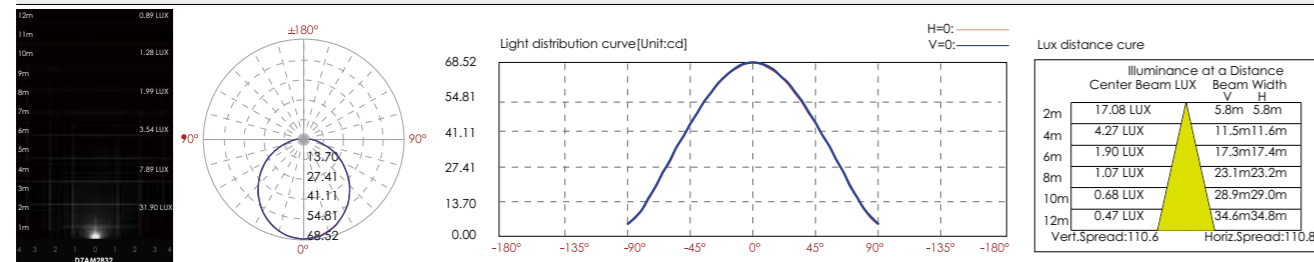
## MATERIAL SPECIFICATIONS

- HOUSING** | 12# Die-casting dark grey powder coated aluminum  
T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** | PC T=6mm
- GASKET** | Tooling shaped seal
- DRIVER** | Constant Voltage Input,Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3×1.0mm<sup>2</sup> L=0.3m(high voltage)

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
D7AM2832	28×0.1W NICHIA	110	240	14	3	196

## PHOTOMETRIC CURVES



## HOUSING COLOR OPTION

Basic



Dark Grey  
KAP 7037

Secondary



Silver Resistant Paint  
RAL 9006



Sanded Black  
RAL9005

CEILING DOWN  
LIGHT



316



318



320



322



324



326



328

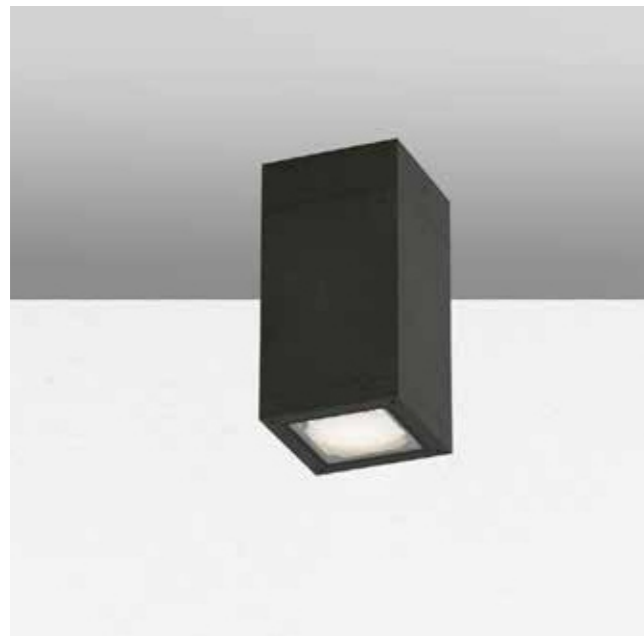
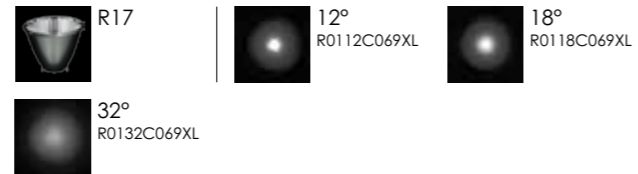


# Wall Mounting Ceiling Down Light

## LED COLOUR TEMPERATURE

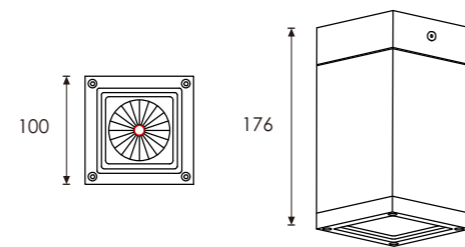
3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## MATERIAL SPECIFICATIONS

- HOUSING MATERIAL** | Extruded aluminum alloy #6063
- PAINTING** | Powder coating ,T= 60~80 um./Adhesion of ISO class 1/ASTM class 4B
- REFLECTOR** | Optical reflector, efficiency≥85%
- LED** | NICHIA
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.3m(low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.3m(High voltage)
- OPERATING TEMPERATURE** | -20°C~40°C

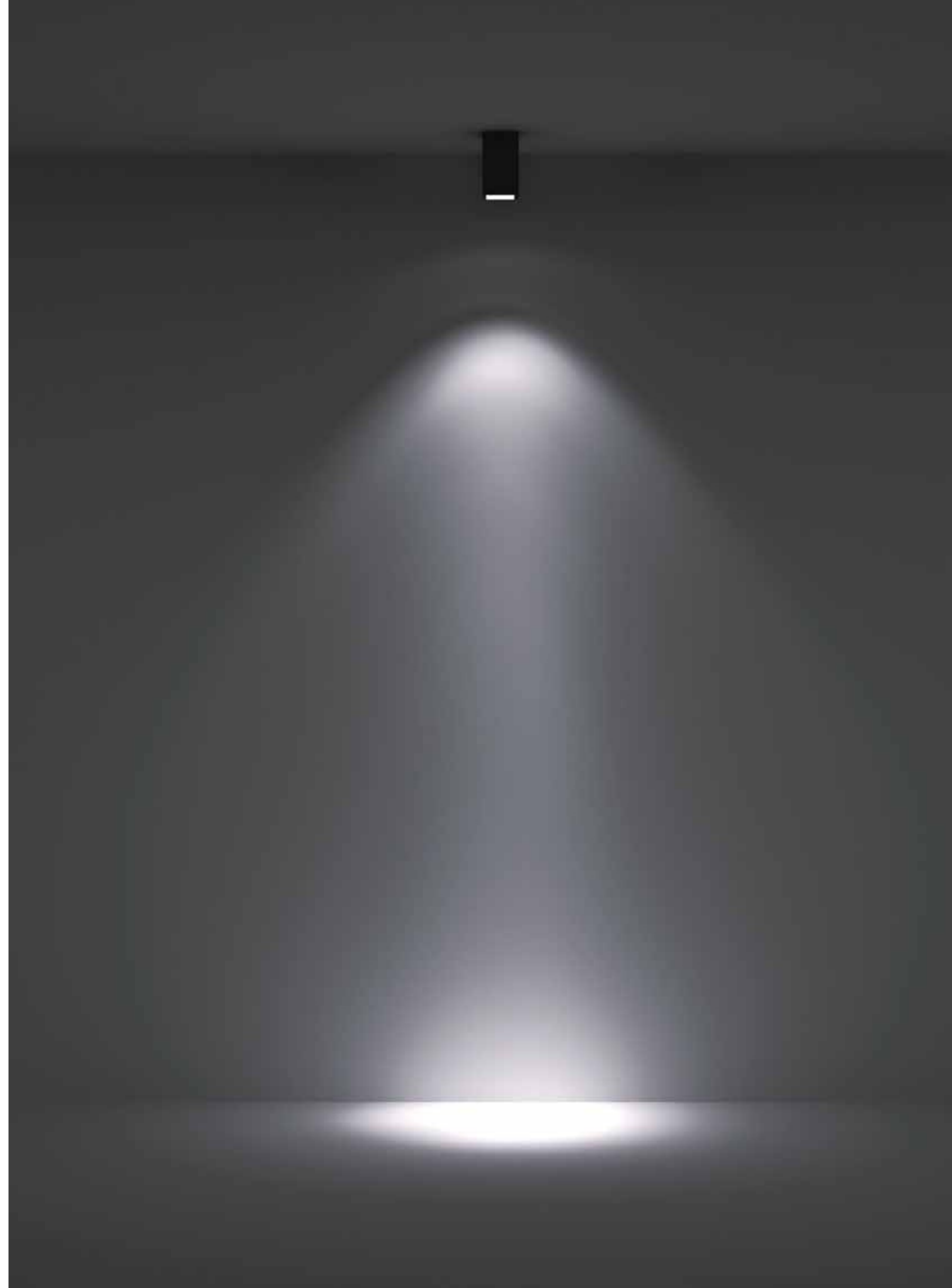
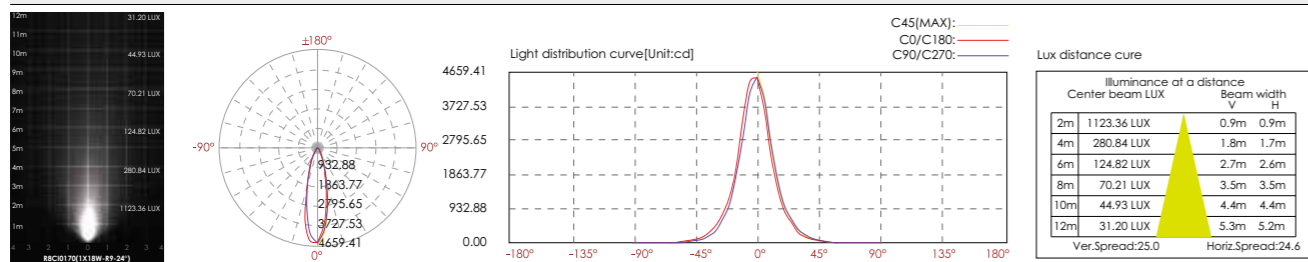
## HOUSING COLOR OPTION



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>R8VA0170</b>	1×18W COB	R17	18°	24V DC 120/240	24V = 833 120V = 178 240V = 96	24V = 20 120V = 20 240V = 21	Cool White = 1766 Warm White = 1705	06

## PHOTOMETRIC CURVES



# Wall Mounting Ceiling Down Light

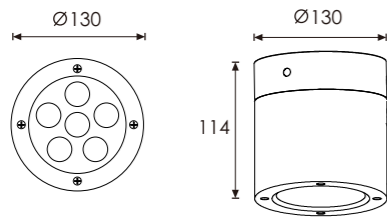


## LED COLOUR TEMPERATURE

3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## MATERIAL SPECIFICATIONS

- HOUSING MATERIAL** | Extruded aluminum alloy #6063
- PAINTING** | Powder coating ,T= 60-80 um./Adhesion of ISO class 1/ASTM class 4B
- REFLECTOR** | Optical reflector, efficiency≥85%
- LED** | NICHIA
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.3m(low voltage)  
H05RN-F 3X1.0mm2 L=0.3m(High voltage)
- OPERATING TEMPERATURE** | -20°C~40°C

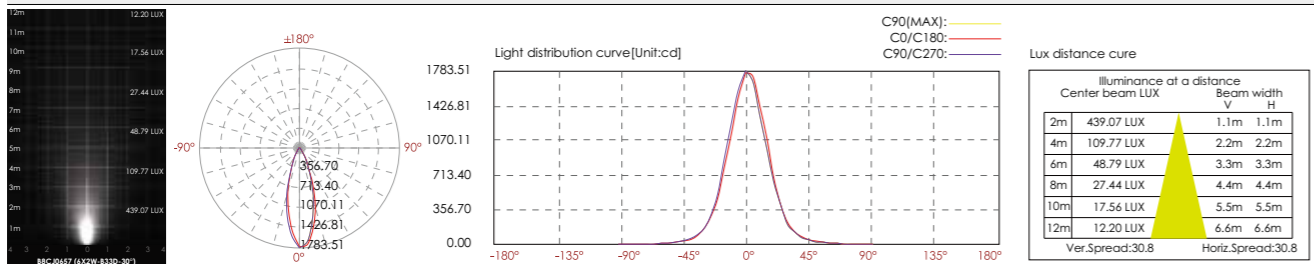
## OPTICS



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B8CJ0657	6×2W	B33D	30°	24V DC 120/240	24V = 562 120V = 100 240V = 56	24V = 13.5 120V = 12 240V = 12.2	Cool White = 830 Warm White = 681	06

## PHOTOMETRIC CURVES



CEILING DOWN LIGHT



Beam Effect Demo

## HOUSING COLOR OPTION



# COB Wall Mounting Ceiling Down Light

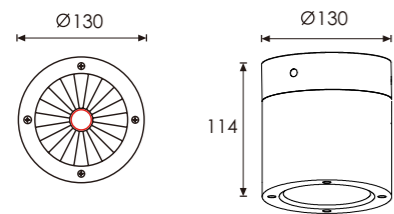


## LED COLOUR TEMPERATURE

3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## OPTICS



R27



10°  
R0110C075XL

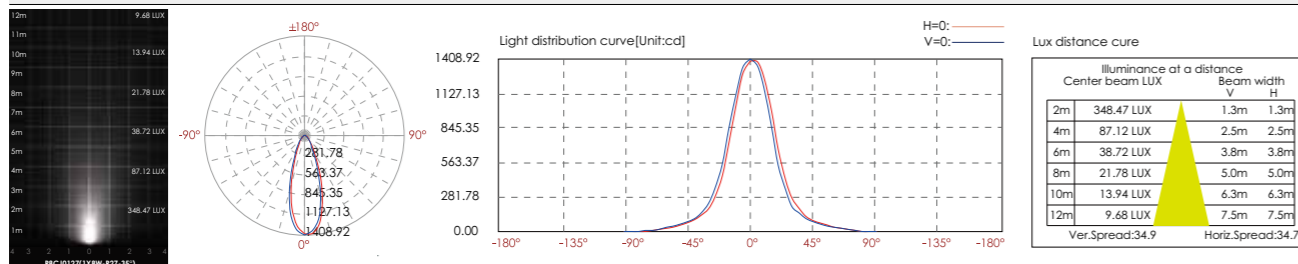
## MATERIAL SPECIFICATIONS

- HOUSING MATERIAL** | Extruded aluminum alloy #6063
- PAINTING** | Powder coating, T= 60-80 um./Adhesion of ISO class 1/ASTM class 4B
- REFLECTOR** | Optical reflector. efficiency≥85%
- LED** | NICHIA
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.3m(low voltage)  
H05RN-F 3X1.0mm2 L=0.3m(High voltage)
- OPERATING TEMPERATURE** | -20°C~40°C

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R8CJ0127	1×8W COB	R27	35°	24V DC 120/240	24V = 411 120V = 88 240V = 50	24V = 9.8 120V = 10.8 240V = 10.8	Cool White = 850 Warm White = 896	06

## PHOTOMETRIC CURVES



CEILING DOWN LIGHT



## HOUSING COLOR OPTION



Dark Grey  
RAL 7037



Sanded White  
RAL 9003



Sanded Black  
RAL9005



Beam Effect demo

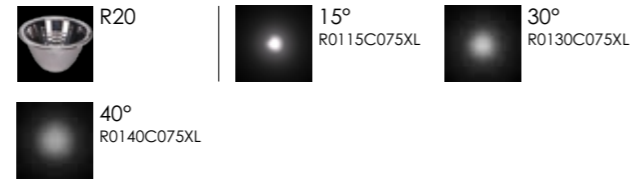
# Wall Mounting Ceiling Down Light



## LED COLOUR TEMPERATURE

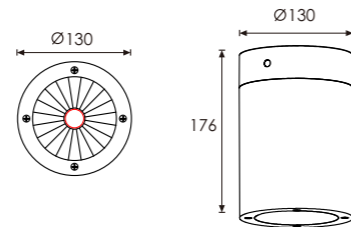
3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## MATERIAL SPECIFICATIONS

- HOUSING MATERIAL** | Extruded aluminum alloy #6063
- PAINTING** | Powder coating ,T= 60-80 um./Adhesion of ISO class 1/ASTM class 4B
- REFLECTOR** | Optical reflector, efficiency≥85%
- LIGHT SOURCE** | NICHIA
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.3m(low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.3m(High voltage)
- OPERATING TEMPERATURE** | -20°C~40°C

## HOUSING COLOR OPTION



Dark Grey  
RAL 7037

Sanded White  
RAL 9003

Sanded Black  
RAL9005

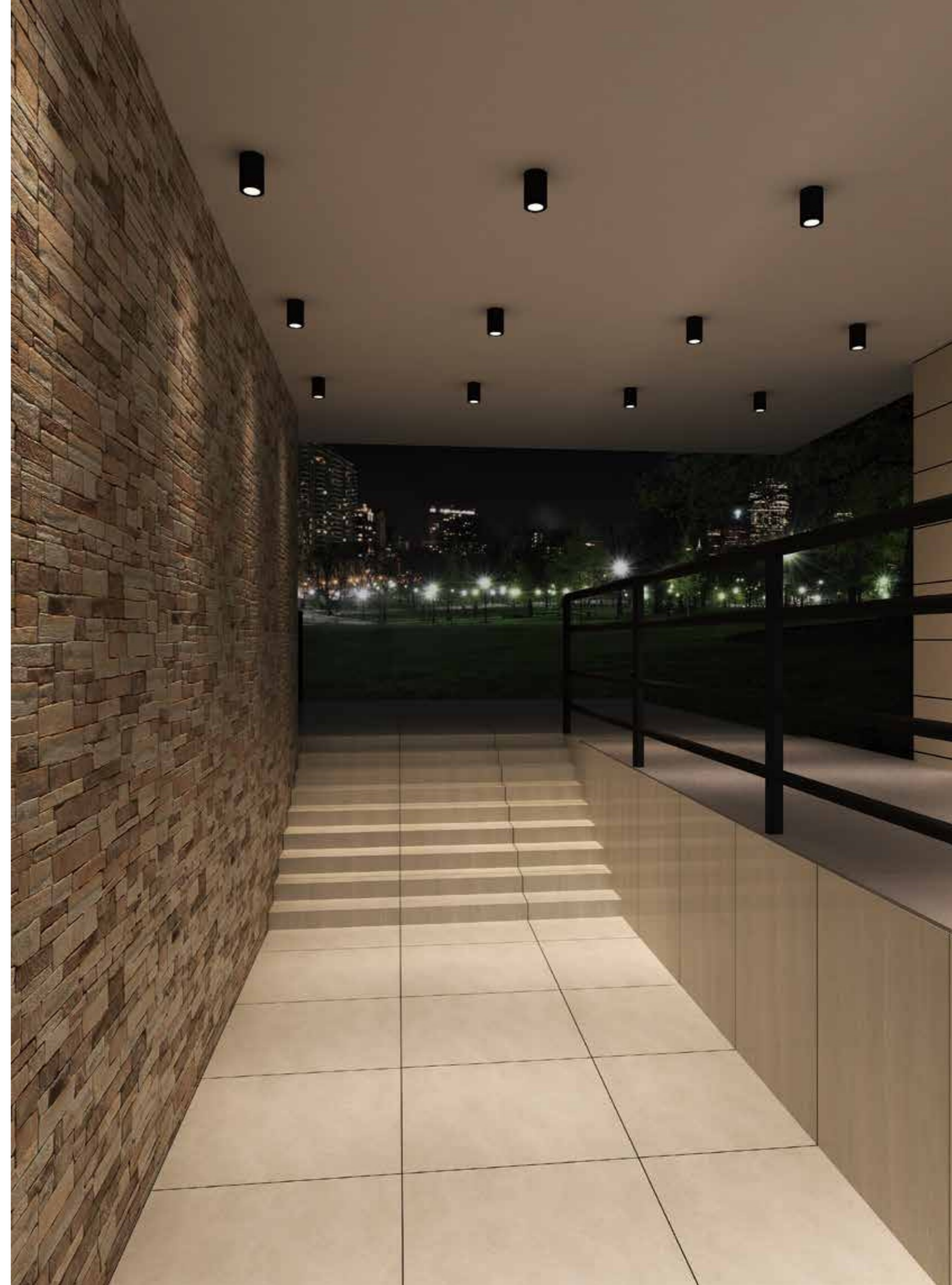
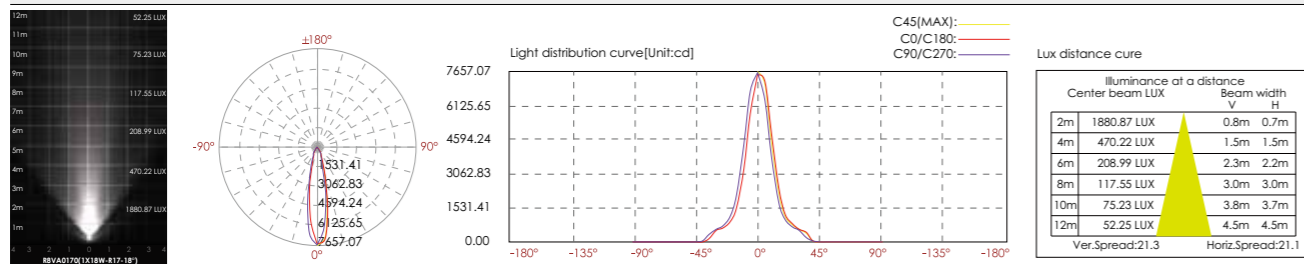


Beam Effect Demo

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R8CI0170	1×18W	R20	30°	24V DC 120/240	24V = 840 120V = 172 240V = 91	24V = 20.4 120V = 20.6 240V = 20.9	Cool White = 2400 Warm White = 2105	06

## PHOTOMETRIC CURVES



# Wall Mounting Ceiling Down Light

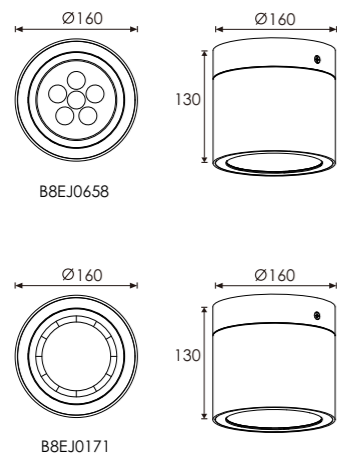


## LED COLOUR TEMPERATURE

3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



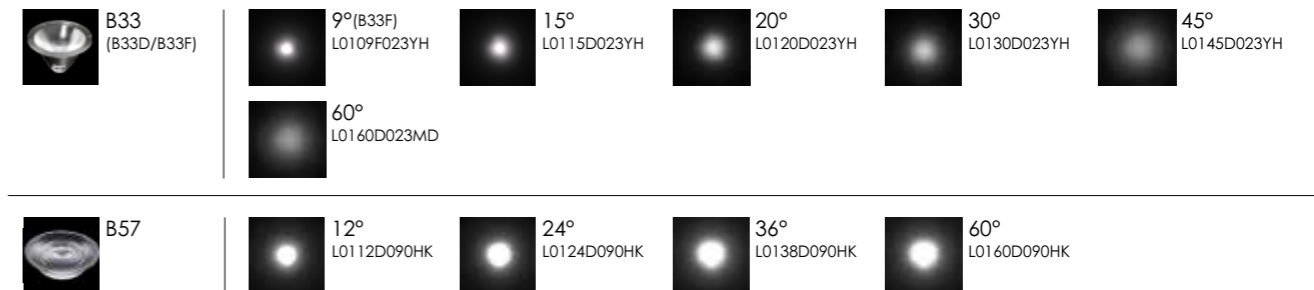
## MATERIAL SPECIFICATIONS

- HOUSING MATERIAL** | Extruded aluminum alloy #6063
- PAINTING** | Powder coating ,T= 60~80 um./Adhesion of ISO class 1/ASTM class 4B
- REFLECTOR** | Optical reflector, efficiency≥85%
- LED** | NICHIA
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.3m(low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.3m(High voltage)
- OPERATING TEMPERATURE** | -20°C~40°C

## HOUSING COLOR OPTION



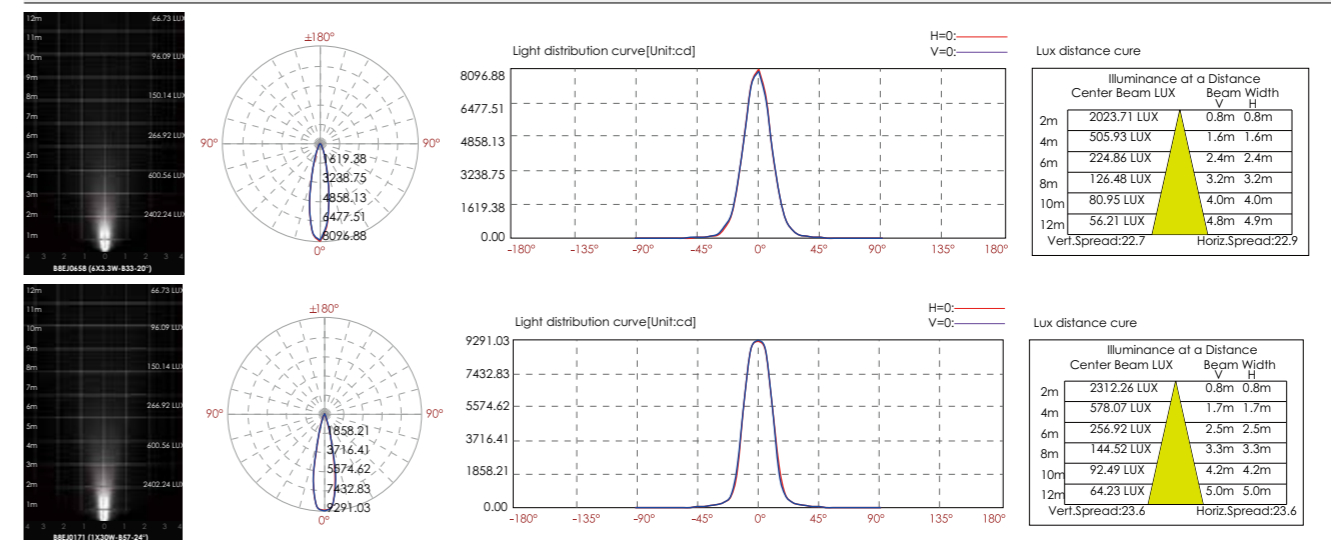
## OPTICS



## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B8EJ0658</b>	6×3.3W	B33D	20°	120/240	120V = 196 240V = 101	120V = 23.1 240V = 23.3	Cool White = 1718 Warm White = 1591	06
<b>B8EJ0171</b>	1×20W COB	B57	24°	24V DC 120/240	24V = 960 120V = 205 240V = 108	24V = 23 120V = 23.5 240V = 24.2	Cool White = 1865 Warm White = 1727	06

## PHOTOMETRIC CURVES



# Wall Mounting Ceiling Down Light

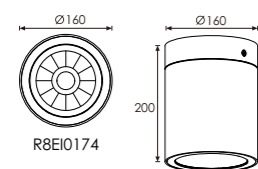
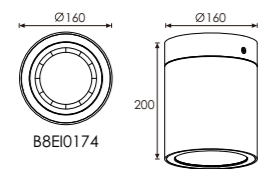
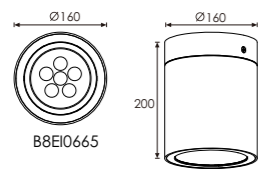


## LED COLOUR TEMPERATURE

3000K · 6000K

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



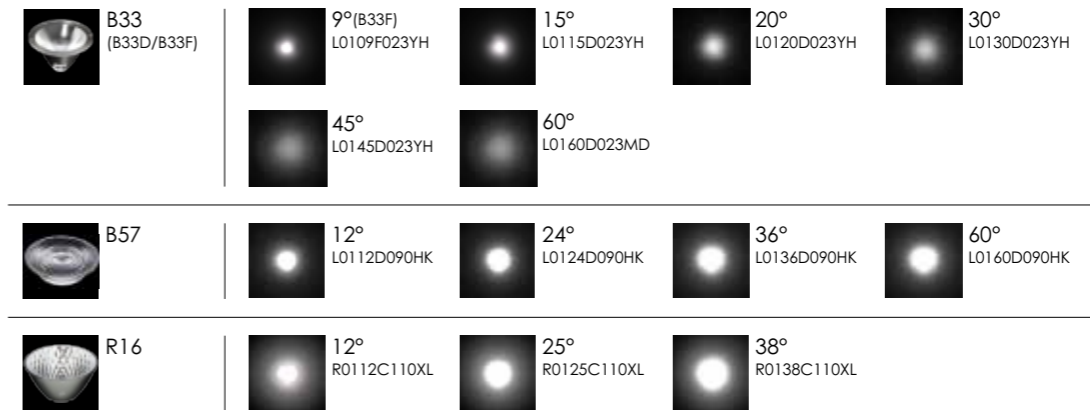
## MATERIAL SPECIFICATIONS

- HOUSING MATERIAL** | Extruded aluminum alloy #6063;
- PAINTING** | Powder coating ,T= 60-80 um./Adhesion of ISO class 1/ASTM class 4B
- REFLECTOR** | Optical reflector. efficiency≥85%
- LED** | NICHIA
- POWER CABLE** | H05RN-F 2X1.0mm2 L=0.3m(low voltage)  
H05RN-F 3X1.0mm2 L=0.3m(High voltage)
- OPERATING TEMPERATURE** | -20°C~40°C

## HOUSING COLOR OPTION



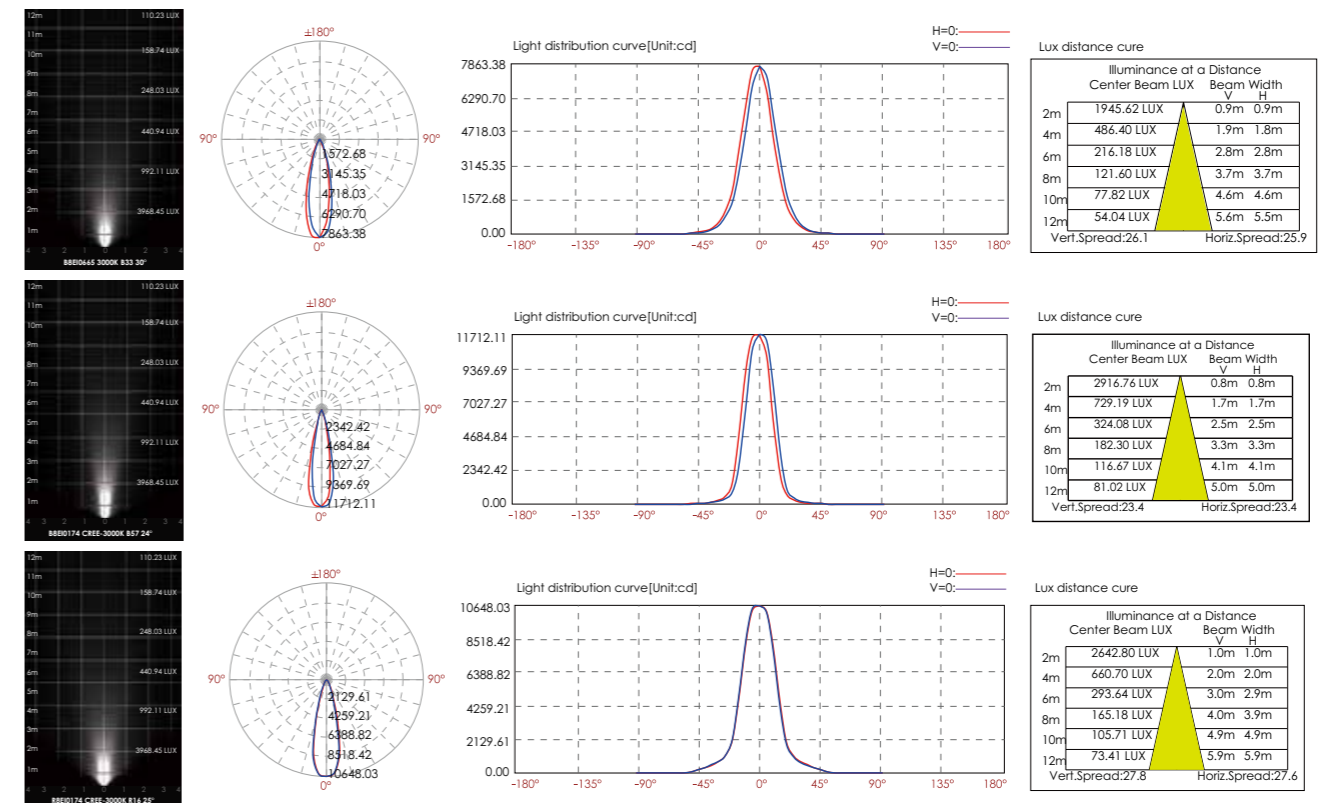
## OPTICS



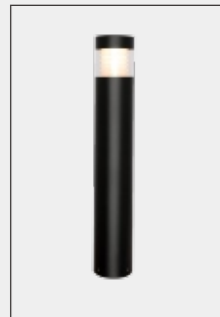
## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>B8EI0665</b>	6×5W	B33D	30°	120/240	120V = 270 240V = 146	120V = 30 240V = 31	Cool White = 2288 Warm White = 2105	06
<b>B8EI0174</b>	1×30W COB	B57	24°	120/240	120V = 270 240V = 146	120V = 30 240V = 31	Cool White = 2400 Warm White = 2212	06
<b>R8EI0174</b>	1×30W COB	R16	25°	120/240	120V = 270 240V = 146	120V = 30 240V = 31	Cool White = 3400 Warm White = 3177	06

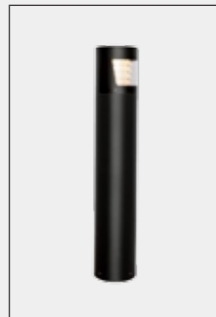
## PHOTOMETRIC CURVES



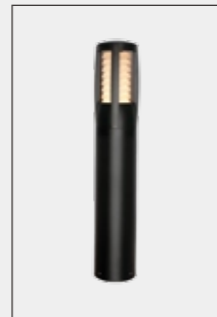
POLE LIGHT



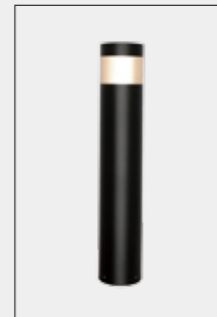
332



333



334



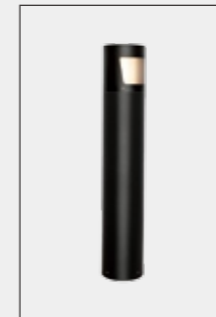
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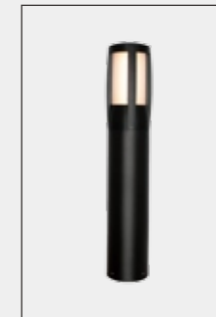
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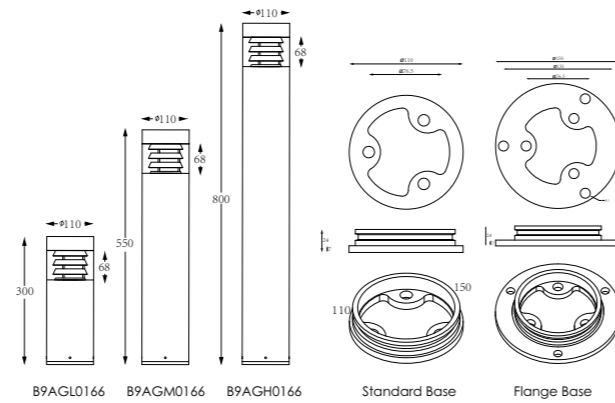
341

# Bollard Light



## OUTER DIMENSIONS & ACCESSORIES

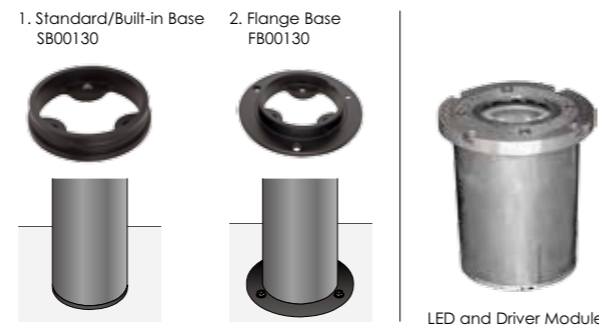
Unit:mm



## MATERIAL SPECIFICATIONS

- HOUSING** | T=60-80um Adhesion of ISO class 1/ASTM class 4B  
| 12# Die-casting powder coated aluminum.
- LIGHT WINDOW** | PMMA
- LED** | SMD3535 type LED
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3×1.0mm<sup>2</sup>L=0.3m (high voltage/short)  
| H05RN-F 3×1.0mm<sup>2</sup>L=0.5m (high voltage/medium)  
| H05RN-F 3×1.0mm<sup>2</sup>L=1.0m (high voltage/high)
- BASE** | Standard Base  
| Flange base
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## OPTIONAL BASE



• Flange base is an optional part which you need to remove the standard base before the assembling.

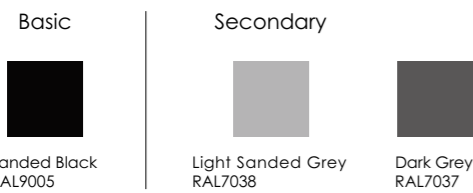
## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS

N/A

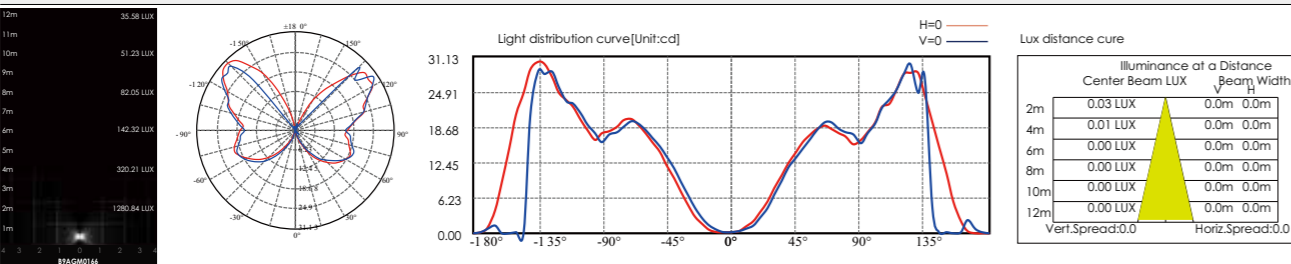
## HOUSING COLOR OPTION



## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
B9AGL0166 B9AGM0166 B9AGH0166	SMD3535 X 6W	120/240	120V = 108 240V = 60	120V = 7.7 240V = 8.1	Warm White

## PHOTOMETRIC CURVES



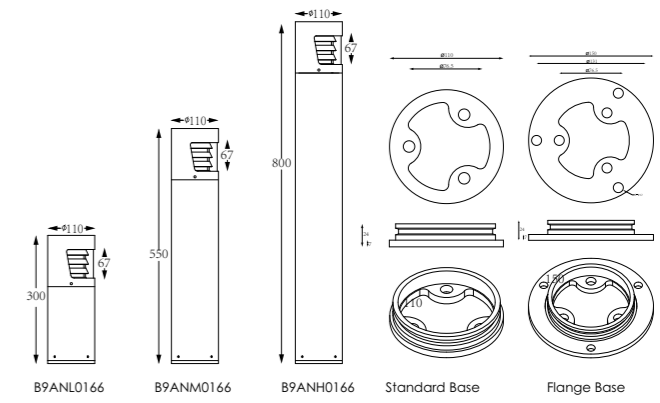
POLE LIGHT

# Bollard Light



## OUTER DIMENSIONS & ACCESSORIES

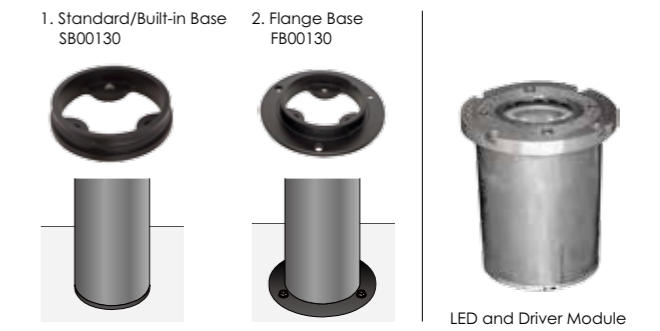
Unit:mm



## MATERIAL SPECIFICATIONS

- HOUSING** | T=60-80um Adhesion of ISO class 1/ASTM class 4B  
| 12# Die-casting powder coated aluminum
- LIGHT WINDOW** | PMMA
- LED** | SMD3535 type LED
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3×1.0mm<sup>2</sup>L=0.3m (high voltage/short)  
| H05RN-F 3×1.0mm<sup>2</sup>L=0.5m (high voltage/medium)  
| H05RN-F 3×1.0mm<sup>2</sup>L=1.0m (high voltage/high)
- BASE** | Standard Base  
| Flange base
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## OPTIONAL BASE



• Flange base is an optional part which you need to remove the standard base before the assembling.

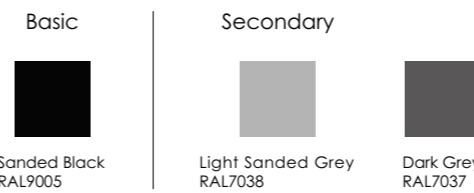
## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS

N/A

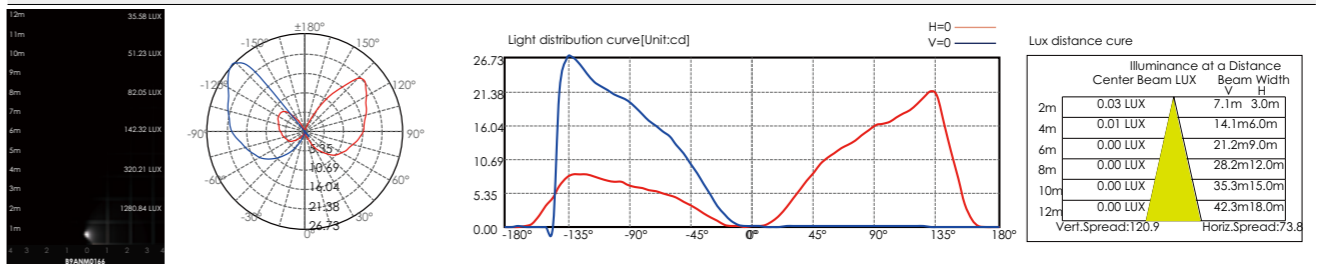
## HOUSING COLOR OPTION



## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
B9ANL0166 B9ANM0166 B9ANH0166	1X 6W	120/240	120V = 108 240V = 60	120V = 7.7 240V = 8.1	Cool White = 150 Warm White = 130

## PHOTOMETRIC CURVES





# Bollard Light



## LED COLOUR TEMPERATURE

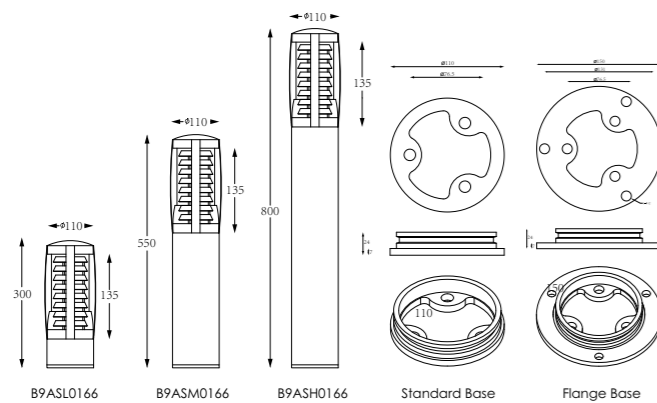
3000K · 6000K

## OPTICS

N/A

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	T=60-80um Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum
<b>LIGHT WINDOW</b>	PMMA
<b>LED</b>	SMD3535 type LED
<b>LED DRIVER</b>	Constant Voltage Input, Constant Current Output
<b>OPERATING TEMPERATURE</b>	-20°C~40°C
<b>POWER CABLE</b>	H05RN-F 3×1.0mm <sup>2</sup> L=0.3m(high voltage/short) H05RN-F 3×1.0mm <sup>2</sup> L=0.5m(high voltage/medium) H05RN-F 3×1.0mm <sup>2</sup> L=1.0m(high voltage/high)
<b>BASE</b>	Standard Base Flange base
<b>DIMMABLE SUPPORT</b>	Triac PWM 1-10V Dali

## REFLECTOR

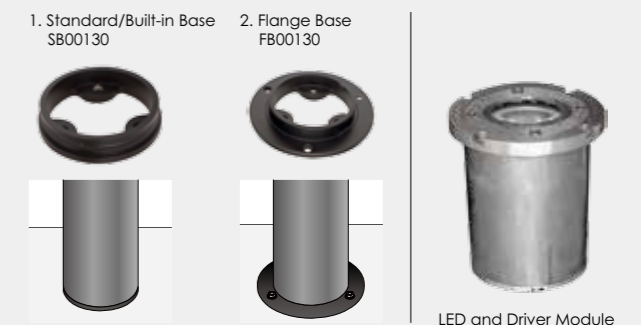


•The reflector is machined on one entire solid acrylic

## HOUSING COLOR OPTION

<b>Basic</b>	<b>Secondary</b>	
Sanded Black RAL9005	Light Sanded Grey RAL7038	Dark Grey RAL7037

## OPTIONAL BASE

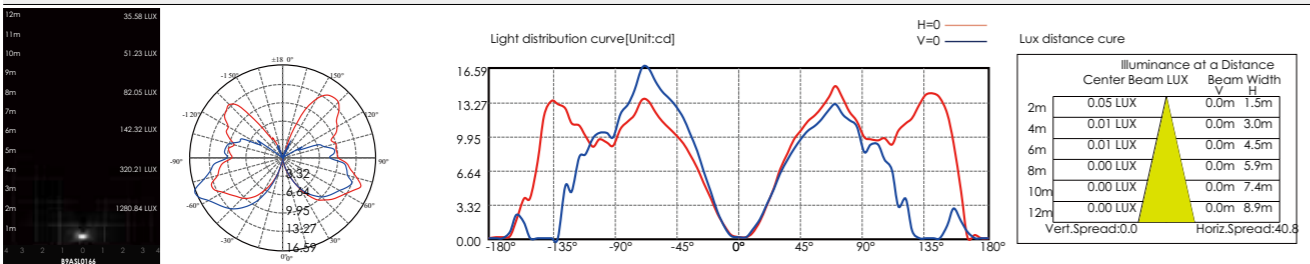


•Flange base is an optional part which you need to remove the standard base before the assembling.

## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
B9ASL0166 B9ASM0166 B9ASH0166	SMD3535 X 6W	120/240	120V = 108 240V = 60	120V = 7.7 240V = 8.2	Warm White = 138

## PHOTOMETRIC CURVES

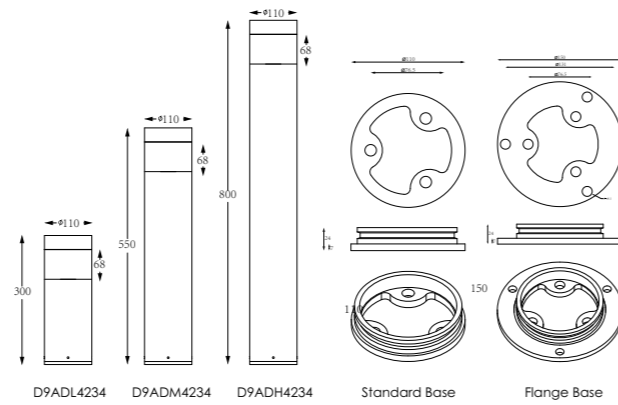


# Bollard Light



## OUTER DIMENSIONS & ACCESSORIES

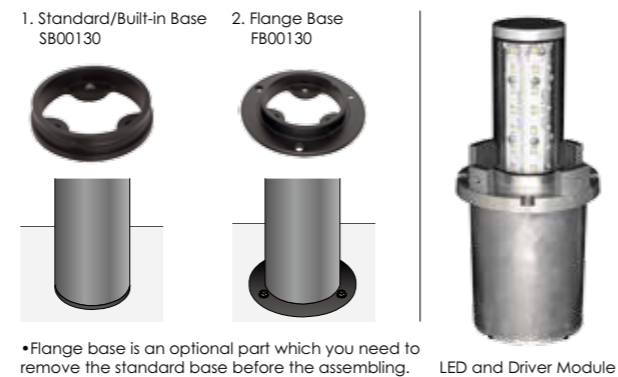
Unit:mm



## MATERIAL SPECIFICATIONS

- HOUSING** | T=60-80um Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum
- LIGHT WINDOW** | PMMA
- LED** | SMD3030 type LED
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3×1.0mm²L=0.3m (high voltage/short)  
H05RN-F 3×1.0mm²L=0.5m (high voltage/medium)  
H05RN-F 3×1.0mm²L=1.0m (high voltage/high)
- BASE** | Standard Base  
Flange base
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## OPTIONAL BASE



• Flange base is an optional part which you need to remove the standard base before the assembling. LED and Driver Module

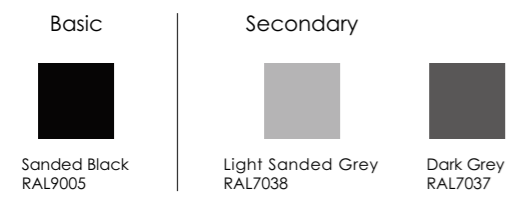
## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS

N/A

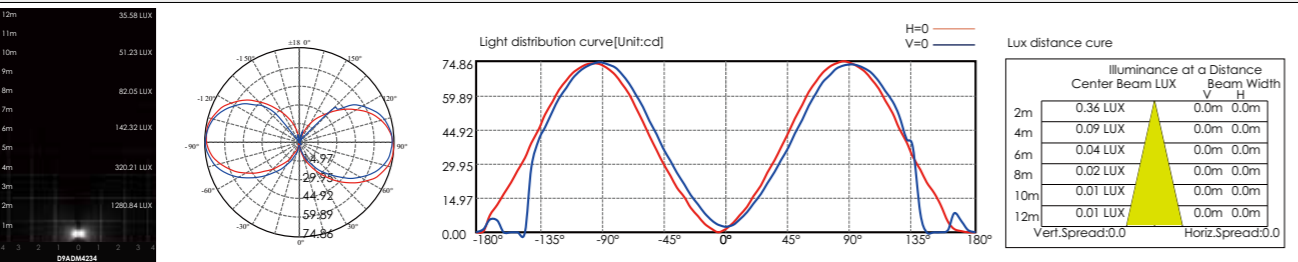
## HOUSING COLOR OPTION



## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
D9ADL4234 D9ADM4234 D9ADH4234	42 X 0.2W	120/240	120V = 76 240V = 41	120V = 8.6 240V = 9	Warm White = 586

## PHOTOMETRIC CURVES



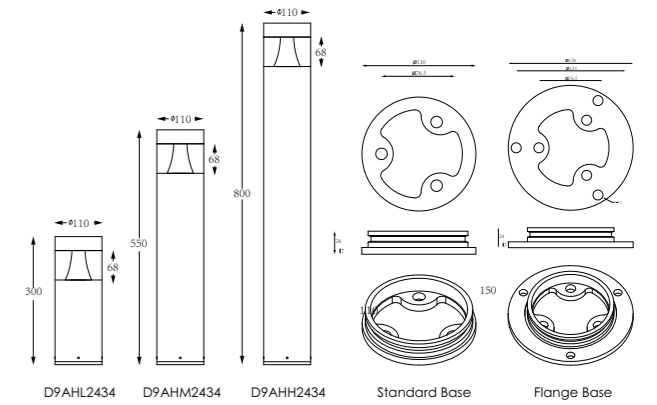
POLE LIGHT

# Bollard Light



## OUTER DIMENSIONS & ACCESSORIES

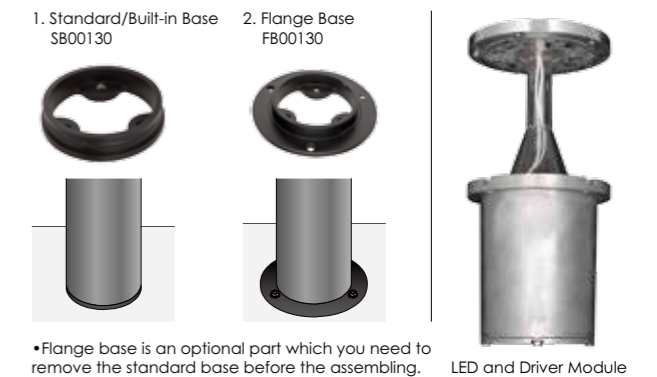
Unit:mm



## MATERIAL SPECIFICATIONS

- HOUSING** | T=60-80um Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum
- LIGHT WINDOW** | PMMA
- LED** | SMD3030 type LED
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3×1.0mm²L=0.3m (high voltage/short)  
H05RN-F 3×1.0mm²L=0.5m (high voltage/medium)  
H05RN-F 3×1.0mm²L=1.0m (high voltage/high)
- BASE** | Standard Base  
Flange base
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## OPTIONAL BASE



• Flange base is an optional part which you need to remove the standard base before the assembling. LED and Driver Module

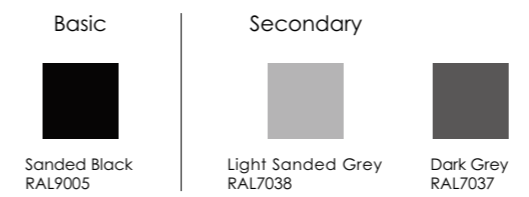
## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS

N/A

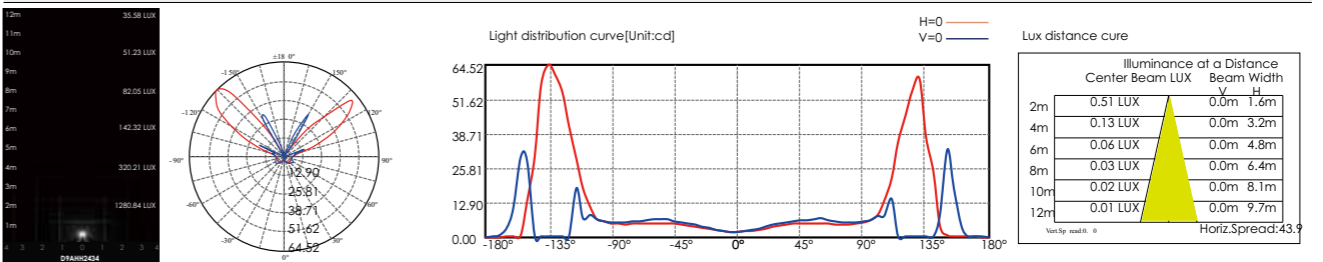
## HOUSING COLOR OPTION



## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
D9AHL2434 D9AHM2434 D9AHH2434	24 X 0.2W	120/240	120V = 70 240V = 39	120V = 4.9 240V = 5.1	Warm White = 263

## PHOTOMETRIC CURVES



# Bollard Light



## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS

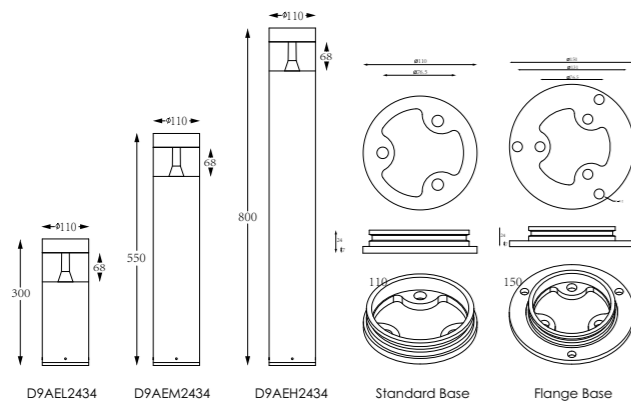
N/A

## MATERIAL SPECIFICATIONS

- HOUSING** | T=60-80um Adhesion of ISO class 1/ASTM class 4B  
12# Die-casting powder coated aluminum
- LIGHT WINDOW** | PMMA
- LED** | SMD3030 type LED
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3×1.0mm<sup>2</sup>L=0.3m(high voltage/short)  
H05RN-F 3×1.0mm<sup>2</sup>L=0.5m(high voltage/medium)  
H05RN-F 3×1.0mm<sup>2</sup>L=1.0m(high voltage/high)
- BASE** | Standard Base  
Flange base
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## OUTER DIMENSIONS & ACCESSORIES

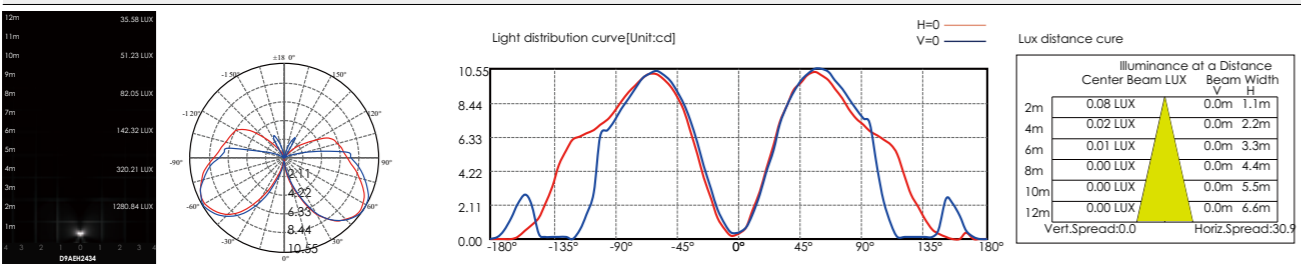
Unit:mm



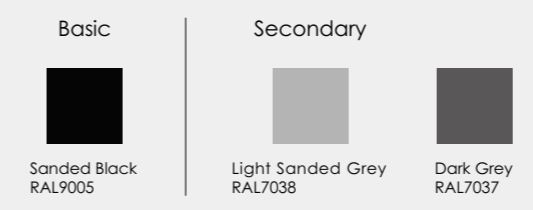
## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
D9AEL2434 D9AEM2434 D9AEH2434	24X 0.2W	120/240	120V = 36 240V = 66	120V = 4.4 240V = 4.6	Warm White = 98

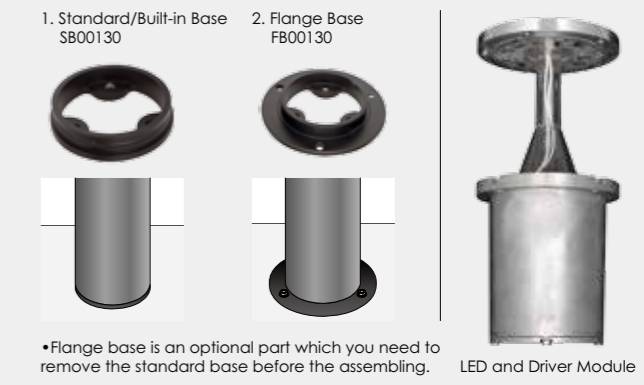
## PHOTOMETRIC CURVES



## HOUSING COLOR OPTION



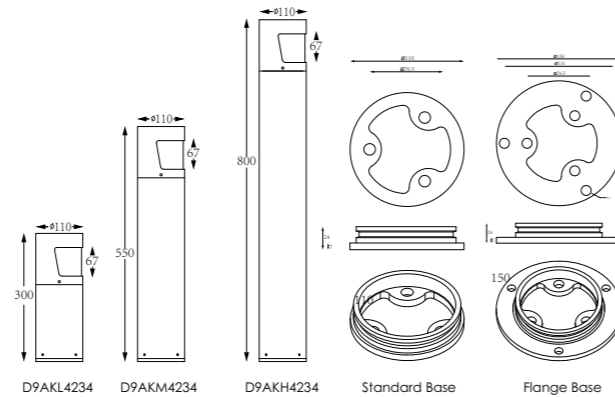
## OPTIONAL BASE



# Bollard Light

## OUTER DIMENSIONS & ACCESSORIES

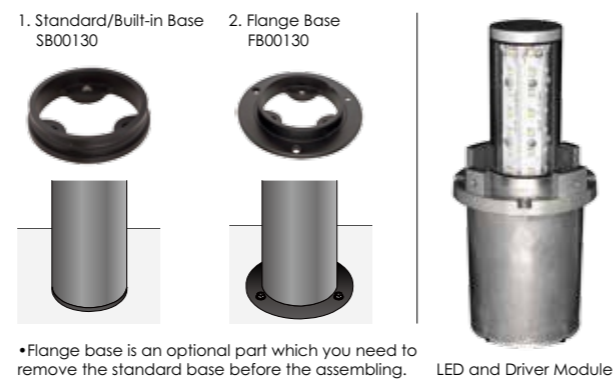
Unit:mm



## MATERIAL SPECIFICATIONS

- HOUSING** | T=60-80um Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
- LIGHT WINDOW** | PMMA
- LED** | SMD3030 type LED
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3×1.0mm²L=0.3m(high voltage/short)  
H05RN-F 3×1.0mm²L=0.5m(high voltage/medium)  
H05RN-F 3×1.0mm²L=1.0m(high voltage/high)
- BASE** | Standard Base  
Flange base
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## OPTIONAL BASE



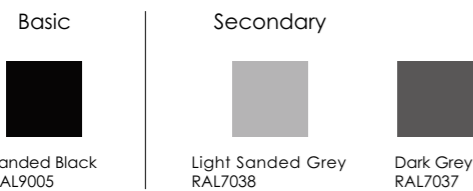
## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS

N/A

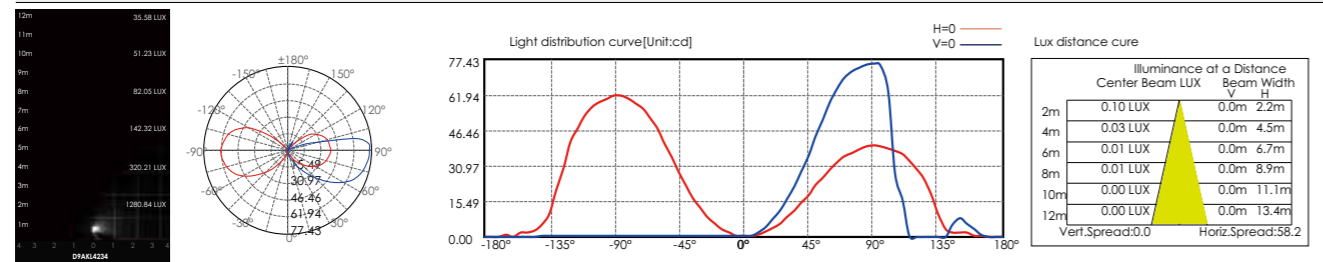
## HOUSING COLOR OPTION



## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
D9AKL4234 D9AKM4234 D9AKH4234	42X 0.2W	120/240	120V = 73 240V = 41	120V = 8.6 240V = 9	Cool White = 450 Warm White = 397

## PHOTOMETRIC CURVES

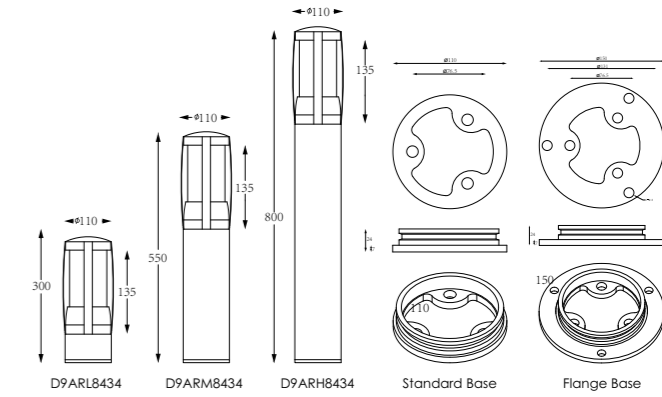


# Bollard Light

POLE LIGHT

## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## MATERIAL SPECIFICATIONS

- HOUSING** | T=60-80um Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
- LIGHT WINDOW** | PMMA
- LED** | SMD3030 type LED
- LED DRIVER** | Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 3×1.0mm²L=0.3m(high voltage/short)  
H05RN-F 3×1.0mm²L=0.5m(high voltage/medium)  
H05RN-F 3×1.0mm²L=1.0m(high voltage/high)
- BASE** | Standard Base  
Flange base
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

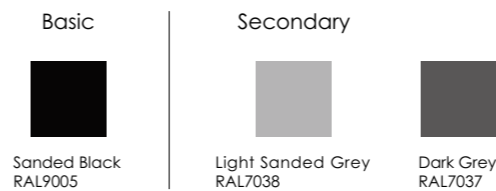
## LED COLOUR TEMPERATURE

3000K · 6000K

## OPTICS

N/A

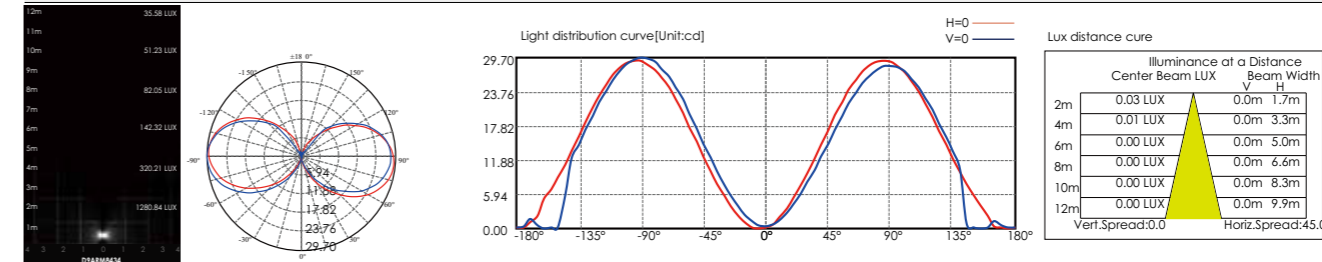
## HOUSING COLOR OPTION



## TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
D9ARL8434 D9ARM8434 D9ARH8434	84X 0.1W	120/240	120V = 79 240V = 43	120V = 9.4 240V = 9.6	Warm White = 697

## PHOTOMETRIC CURVES



LINEAR BEAM



344



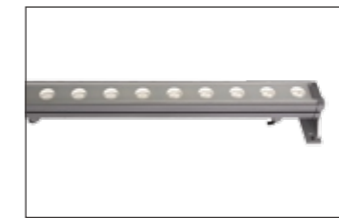
346



347



348



352

# High Luminance Output Recessed strip inground light

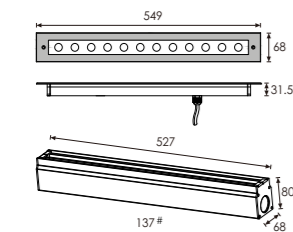


## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

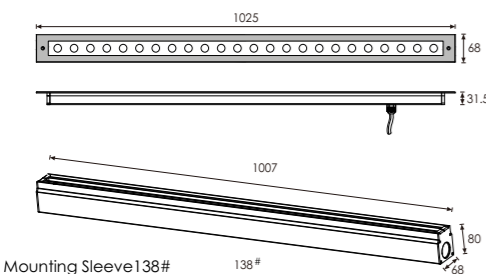
## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



Mounting Sleeve 137#

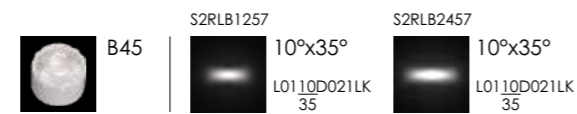
S2RLB1257



Mounting Sleeve 138#

S2RLB2457

## OPTICS



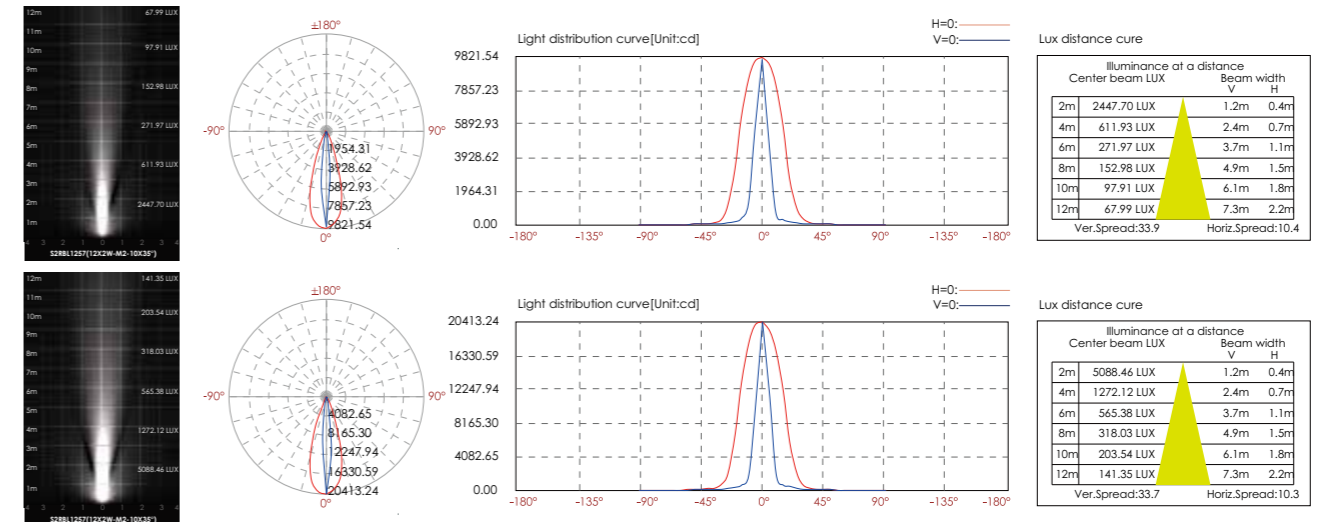
## MATERIAL SPECIFICATIONS

- HOUSING** | Extruded aluminum, powder coated
- FRONT COVER** | Hard chromeplated stainless steel SUS 316L
- LIGHT WINDOW** | Tempered glass, T=6mm
- LENS** | Optical lens, efficiency ≥ 85%
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Glass and housing are silicone sealed
- LED** | OSRAM
- OPERATING TEMPERATURE** | -20°C~40°C
- POWER CABLE** | H05RN-F 2X1.0mm<sup>2</sup> L=0.5m (low voltage)  
H05RN-F 3X1.0mm<sup>2</sup> L=0.5m (high voltage)
- MOUNTING SLEEVE** | Powder Coated Aluminum 137# 138#
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENGTH(MM)	LENS DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>S2RLB1257</b>	12×1.5W	B45	549	10°x35°	24V DC	24V = 910	24V = 22	Cool White = 1759 Warm White = 1431	07
					120/240	120V = 143	120V = 17		
						240V = 79	240V = 17.5		
<b>S2RLB2457</b>	24×1.5W	B45	1025	10°x35°	24V DC	24V = 1826	24V = 44	Cool White = 3662 Warm White = 3013	07
					120/240	120V = 312	120V = 36		
						240V = 156	240V = 36.4		

## PHOTOMETRIC CURVES



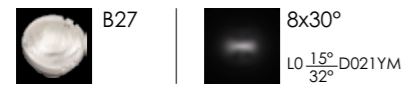
# Recessed Linear Beam Inground Wall Washer Lamp



## LED COLOUR TEMPERATURE

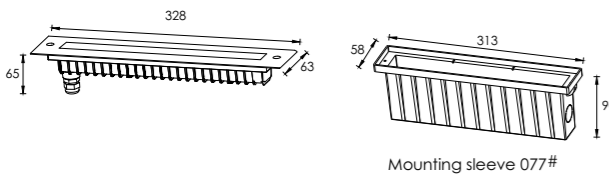
2000K · 3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	I 12# Die-casting dark grey powder coated aluminum.T=60-80μm
<b>FRONT COVER</b>	I Hard chromeplated stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	I Step tempered glass.T=8mm
<b>CABLE GLAND</b>	I IP68 PG-9 PA66
<b>GLASS PRESSURE CAPACITY</b>	I Full area=3251kgs
<b>GASKET</b>	I Molding shaped silicone seal
<b>PCB</b>	I Excellent heat conductivity aluminum, coefficient of heat Conductivity≥2.0w/mk
<b>LED DRIVER</b>	I Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	I -20°C~40°C
<b>POWER CABLE</b>	I H05RN-F 2X1.0mm2 L=0.5m(low voltage) I H05RN-F 3X1.0mm2 L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	I ABS 077#
<b>DIMMABLE SUPPORT</b>	I Triac PWM 1-10V Dali

## MOUNTING SLEEVE CHARACTERISTIC

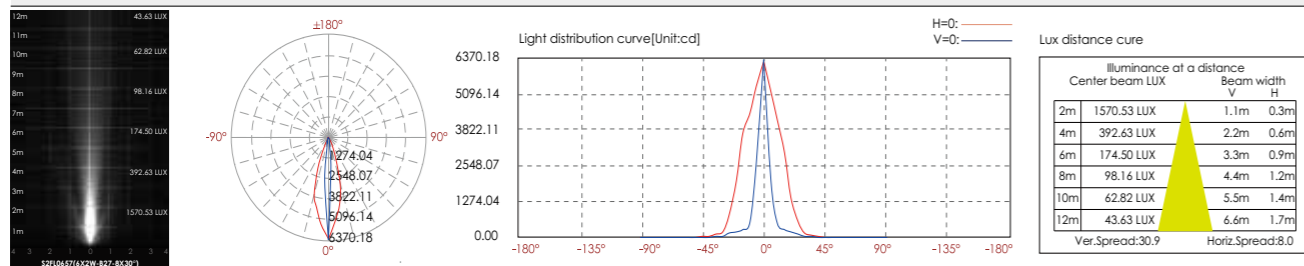


•The above picture – the supporting plate "A1" and "A2" are used for preventing deformation of the sleeve during the construction installation process.  
•Please remove the supporting plate "A1" and "A2" from the mounting sleeve before the lamp installation.

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	WEIGHT (KG)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>S2FL0657</b>	6x2W	B27	8x30°	1.6	24V DC 120/240	24V = 520 120V = 100 240V = 57	24V = 12.5 120V = 11.8 240V = 12.1	Cool White = 954 Warm White = 791	08

## PHOTOMETRIC CURVES



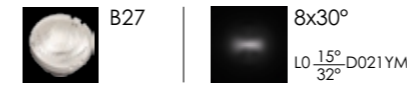
# Recessed Linear Beam Inground Wall Washer Lamp



## LED COLOUR TEMPERATURE

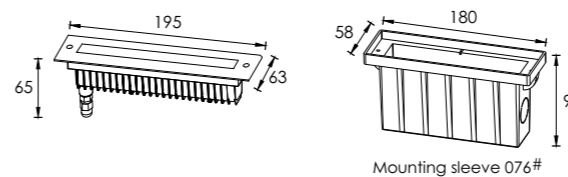
2000K · 3000K · 6000K

## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

Unit:mm



## MATERIAL SPECIFICATIONS

<b>HOUSING</b>	I 12# Die-casting dark grey powder coated aluminum.T=60-80μm
<b>FRONT COVER</b>	I Hard chromeplated stainless steel SUS 316L#
<b>LIGHT WINDOW</b>	I Step tempered glass.T=8mm
<b>CABLE GLAND</b>	I IP68 PG-9 PA66
<b>GLASS PRESSURE CAPACITY</b>	I Full area=3251kgs
<b>GASKET</b>	I Molding shaped silicone seal
<b>PCB</b>	I Excellent heat conductivity aluminum, coefficient of heat Conductivity≥2.0w/mk
<b>LED DRIVER</b>	I Constant Voltage Input,Constant Current Output
<b>OPERATING TEMPERATURE</b>	I -20°C~40°C
<b>POWER CABLE</b>	I H05RN-F 2X1.0mm2 L=0.5m(low voltage) I H05RN-F 3X1.0mm2 L=0.5m(high voltage)
<b>MOUNTING SLEEVE</b>	I ABS 076#
<b>DIMMABLE SUPPORT</b>	I Triac PWM 1-10V Dali

## MOUNTING SLEEVE CHARACTERISTIC

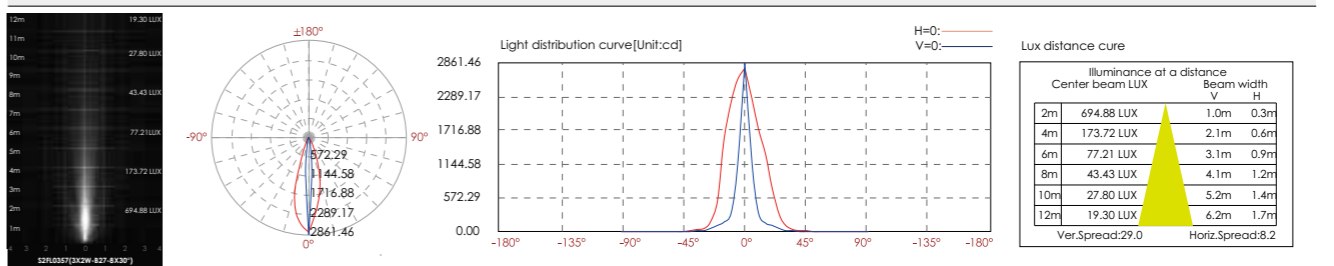


•The right picture – the supporting plate "A" is used for preventing deformation of the sleeve during the construction installation process.  
•Please remove the supporting plate "A" from the mounting sleeve before the lamp installation.

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	WEIGHT (KG)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
<b>S2FL0357</b>	3x2W	B27	8x30°	0.9	24V DC 120/240	24V = 37 120V = 89 240V = 46	24V = 5.7 120V = 6.2 240V = 5.7	Cool White = 457 Warm White = 360	08

## PHOTOMETRIC CURVES



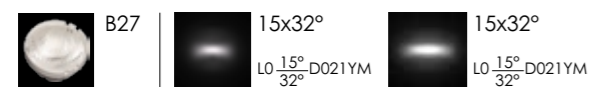
# Linear Beam Wall Washer



### LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

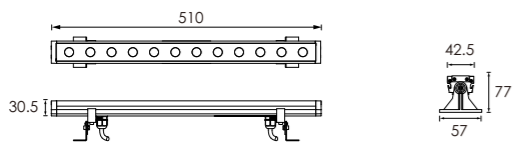
### OPTICS



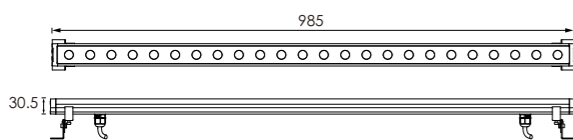
### OUTER DIMENSIONS & ACCESSORIES

Unit:mm

Low voltage input (24VDC)



S6R1256

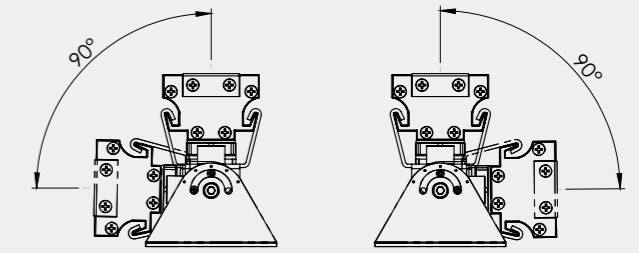
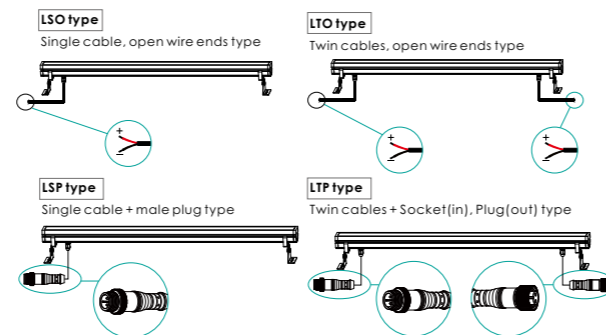


S6R2456

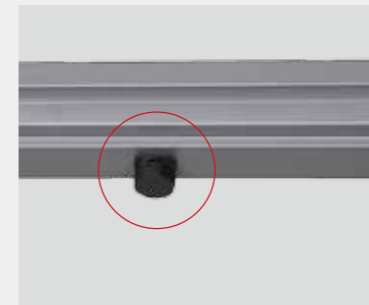
### MATERIAL SPECIFICATIONS

- HOUSING** | Extruded aluminum, powder coated
- LENS** | Optical lens, efficiency > 85%
- LIGHT WINDOW** | Step tempered glass, T=4mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Glass and housing are silicone sealed
- LED** | OSRAM or NICHIA
- OPERATING TEMPERATURE** | -20°C~40°C
- BRACKET** | Hard chrome plated stainless steel SUS 316L# T=1.5mm
- POWER CABLE** | 2XH05RN-F 2X1.0mm<sup>2</sup> L=0.5m(Low Voltage)  
2XH05RN-F 3X1.0mm<sup>2</sup> L=0.5m(High Voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

Low voltage input (24VDC) power cord model



• Adjustable beam direction



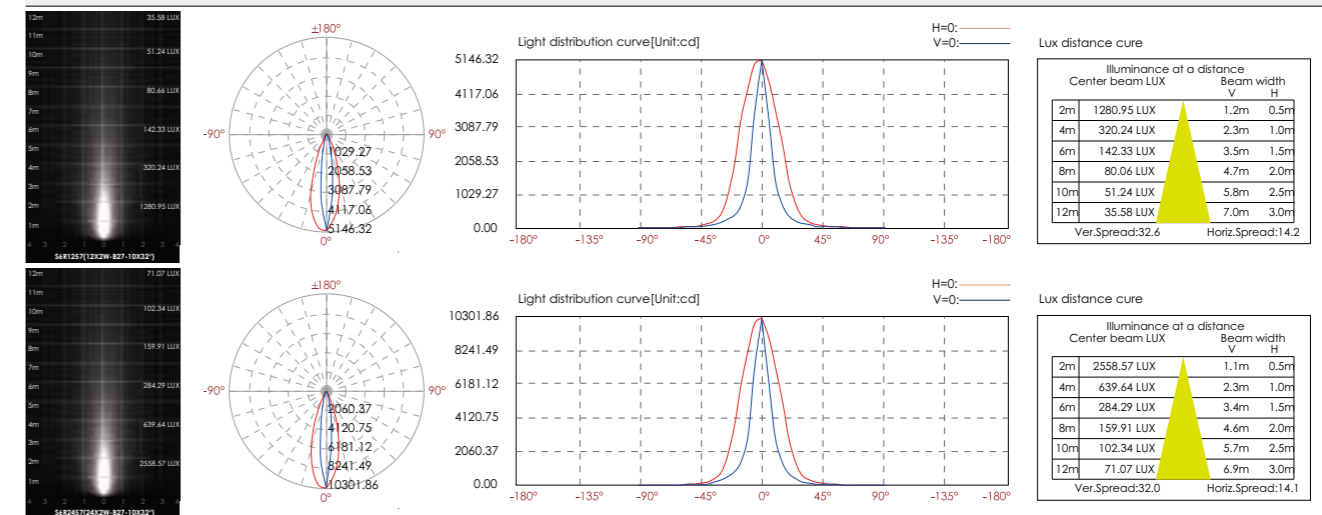
• Air Valve



### TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Ø1/2	LENGTH(MM)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
S6R1256	12X1W	B27	15° 32°	305	24V DC 120/240	24V = 610	24V = 14.5	Cool White = 1331	02
						120V = 130	120V = 15	Warm White = 1092	
						240V = 65	240V = 15		
S6R2456	24X1W	B27	15° 32°	605	24V DC 120/240	24V = 1229	24V = 29	Cool White = 2590	02
						120V = 396	120V = 35	Warm White = 2126	
						240V = 219	240V = 35		

### PHOTOMETRIC CURVES



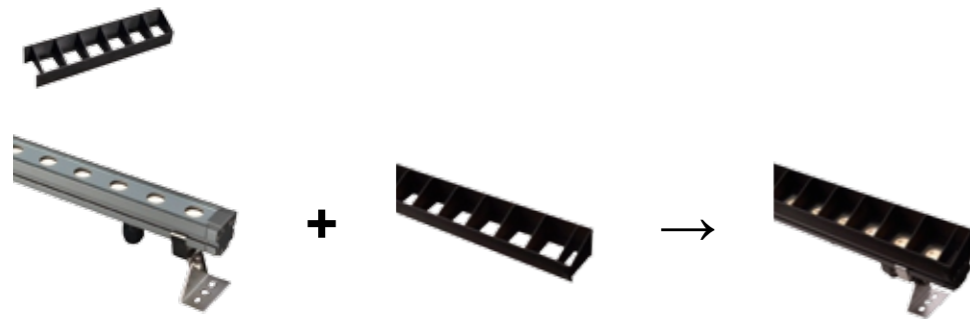


# Optional AccessoriesSt- Anti Glare

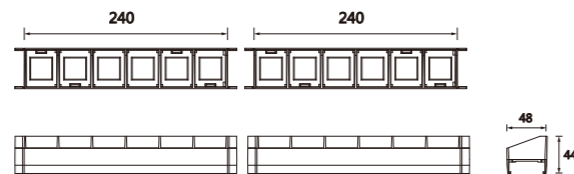
Bevel cut anti-glare reflector 6001



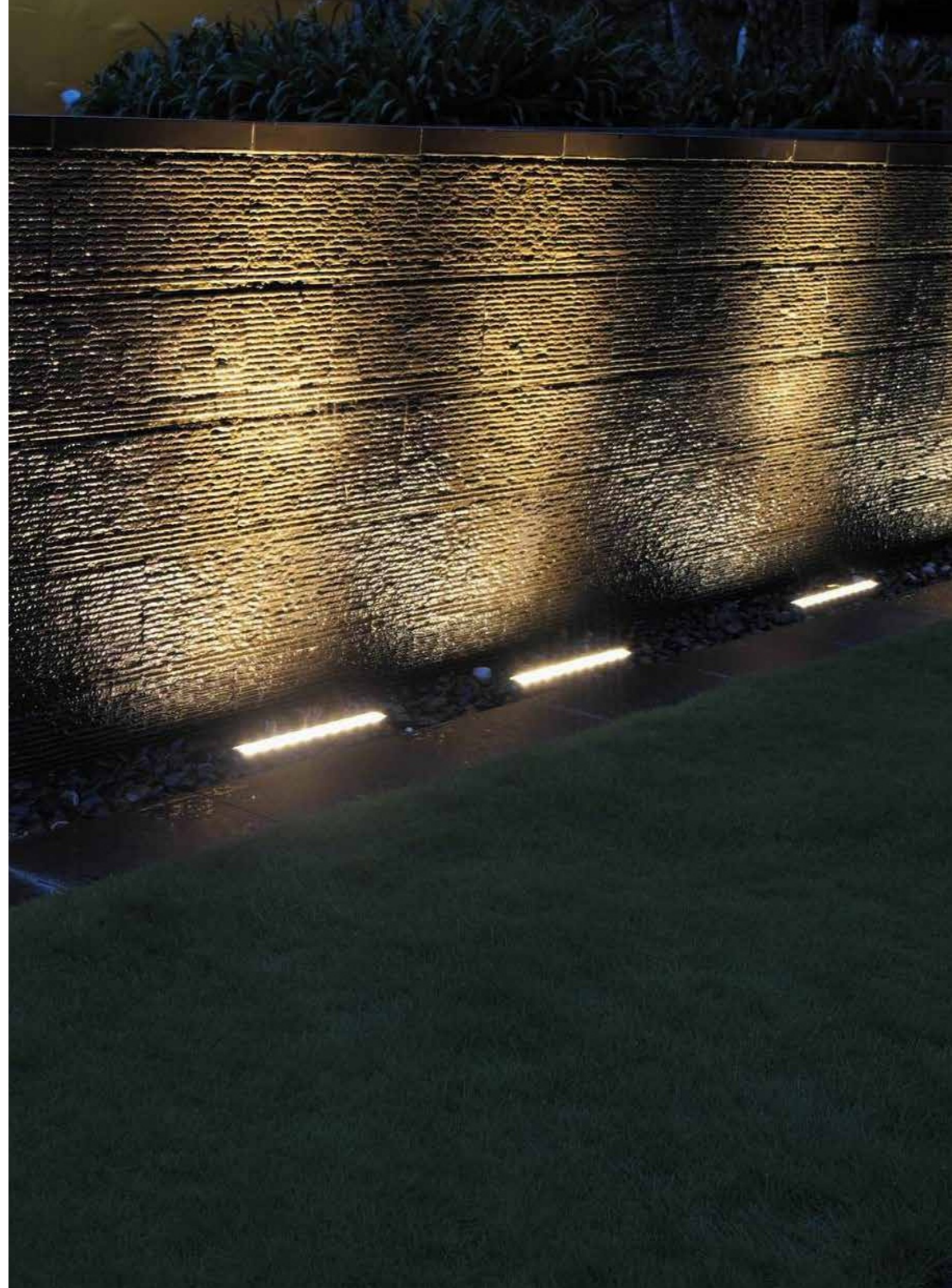
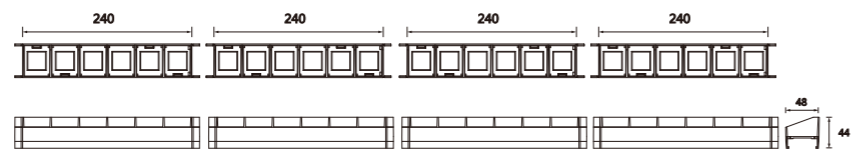
Basic Unit : 240 x 48 mm



S6R1256



S6R2456



# Linear Lighting Beam Wall Washer



## LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

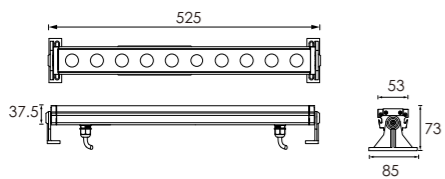
## OPTICS



## OUTER DIMENSIONS & ACCESSORIES

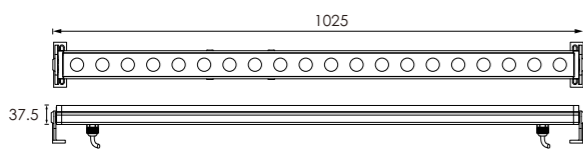
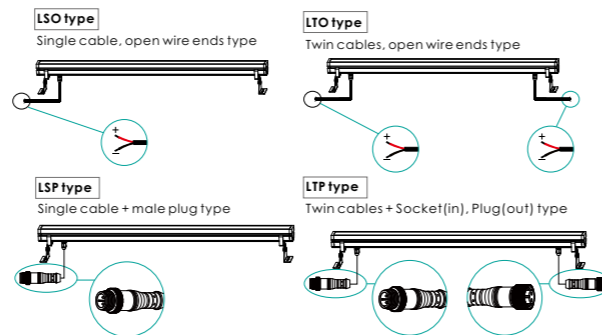
Unit:mm

Low voltage input (24VDC)



S6Q1057

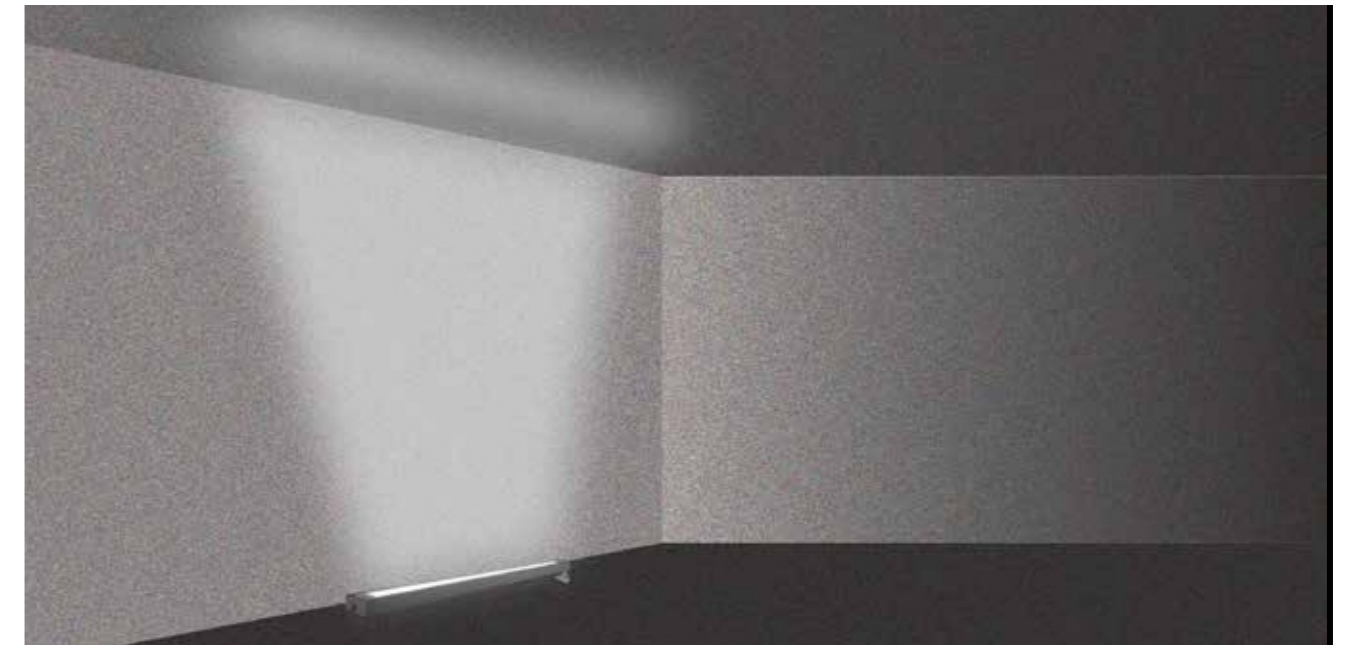
Low voltage input (24VDC) power cord model



S6Q2057

## MATERIAL SPECIFICATIONS

- HOUSING** | Extruded aluminum, powder coated
- LENS** | Optical lens, efficiency ≥ 85%
- LIGHT WINDOW** | Tempered glass, T=3mm
- CABLE GLAND** | IP68 PG-9 PA66
- GASKET** | Glass and housing are silicone sealed
- LED** | OSRAM or NICHIA
- OPERATING TEMPERATURE** | -20°C ~ 40°C
- BRACKET** | 12# Die-casting powder coated aluminum
- POWER CABLE** | 2XH05RN-F 2X1.0mm<sup>2</sup> L=0.5m (Low Voltage)  
2XH05RN-F 3X1.0mm<sup>2</sup> L=0.5m (High Voltage)
- DIMMABLE SUPPORT** | Triac PWM 1-10V Dali

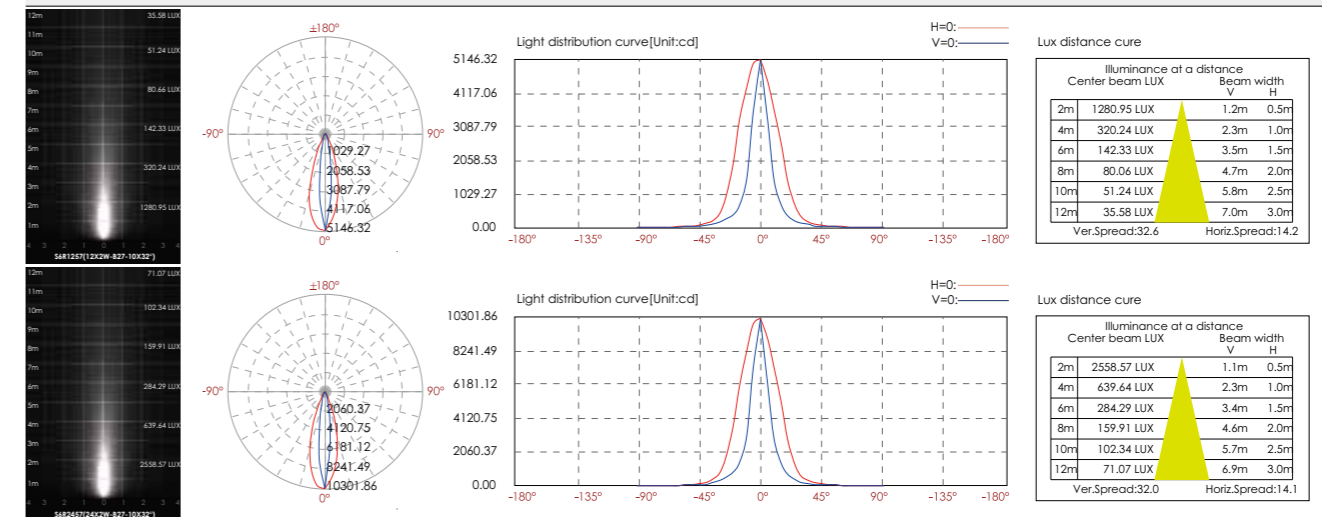


• Adjustable beam direction

## TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°) @ 1/2	LENGTH(MM)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
S6Q1057	10x2W	B13	10°x35°	525	24V DC 120/240	24V = 1041	24V = 25	Cool White = 1840 Warm White = 1510	05
						120V = 174	120V = 20.8		
						240V = 92	240V = 20.8		
S6Q2057	20x2W	B13	10°x35°	1025	24V DC 120/240	24V = 2056	24V = 50	Cool White = 3580 Warm White = 2945	05
						120V = 374	120V = 41		
						240V = 202	240V = 42		

## PHOTOMETRIC CURVES



Linear Beam 24V DC  
IP-66 Ultra Slim Light Bar

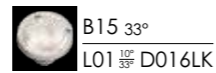


S6JA1235  
S6JA2435

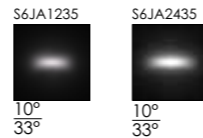
LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS

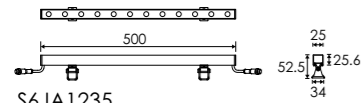


B15

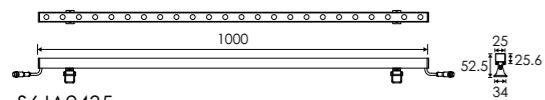


OUTER DIMENSIONS

Unit:mm

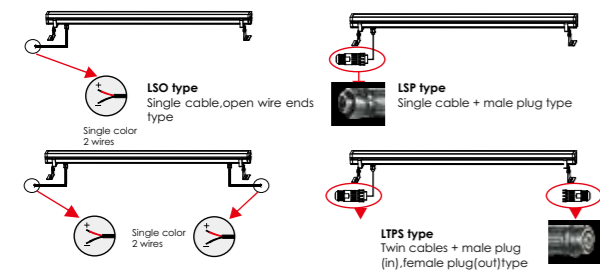


S6JA1235



S6JA2435

Low voltage input (24VDC) power cord model



MATERIAL SPECIFICATIONS

- Housing** | Extruded aluminum anodized finishing or powder painting
- Lens** | Optical lens efficiency≥85%
- Light window** | Tempered glass,T=3mm
- Gasket** | Glass and housing are silicone sealed
- LED** | Single color ORSAM LED
- Operating temperature** | -20°C~40°C
- Bracket** | Hard chromeplated stainless steel SUS 304#
- Power Cable** | H03VV-F 2X0.75mm<sup>2</sup> L=0.25m(low voltage)
- Dimmable Support** | Triac PWM 1-10V Dali

Optional Honeycomb Louver



TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Length L=(mm)	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
S6JA1235	12×1W	B15	10°/33°	500	24V DC	610	14.5	Cool white=820 Warm white=700	03
S6JA2435	24×1W	B15	10°/33°	1000	24V DC	1220	29	Cool white=1660 Warm white=1413	03

LINEAR  
BEAM

Linear Beam 120/240V  
IP-66 Ultra Slim Light Bar

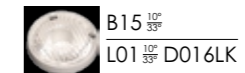


S6JC1235  
S6JC2435

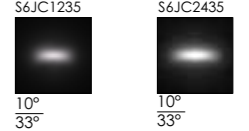
LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS

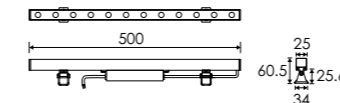


B15

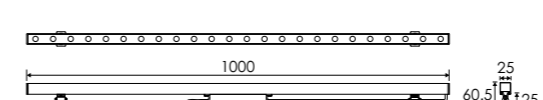


OUTER DIMENSIONS

Unit:mm



S6JC1235



S6JC2435



High voltage input (100V-240V) power cord wiring model



MATERIAL SPECIFICATIONS

- Housing** | Extruded aluminum anodized finishing or powder painting
- Lens** | Optical lens efficiency≥85%
- Light window** | Tempered glass,T=3mm
- Gasket** | Glass and housing are silicone sealed
- LED** | Single color ORSAM LED
- Operating temperature** | -20°C~40°C
- Bracket** | Hard chromeplated stainless steel SUS 304#
- Power Cable** | H03VV-F 3X0.1mm<sup>2</sup> L=0.5m(high voltage)

Optional Honeycomb Louver



TECHNICAL DATA

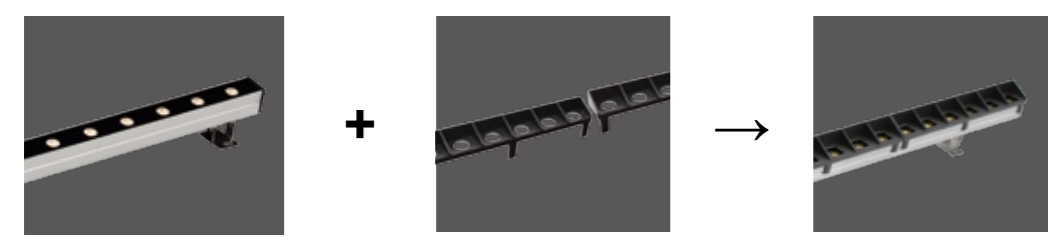
Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Length L=(mm)	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
S6JC1235	12×1W	B15	10°/33°	500	120/240V	120V = 130 240V = 65	120V = 15.0 240V = 15.0	Cool white=1080 Warm white= 864	02
S6JC2435	24×1W	B15	10°/33°	1000	120/240V	120V = 295 240V = 163	120V = 35 240V = 35	Cool white=2140 Warm white=1976	02

6J Series  
Optional Accessories - Anti Glare

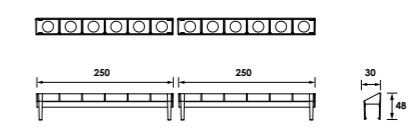
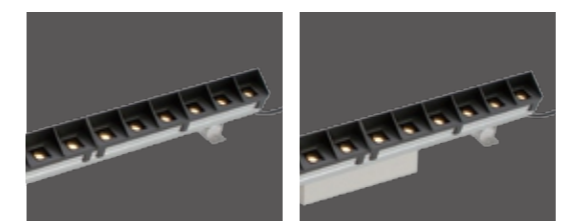
Bevel cut anti-glare reflector 6004



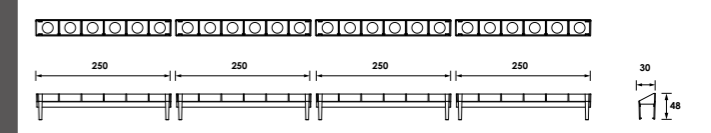
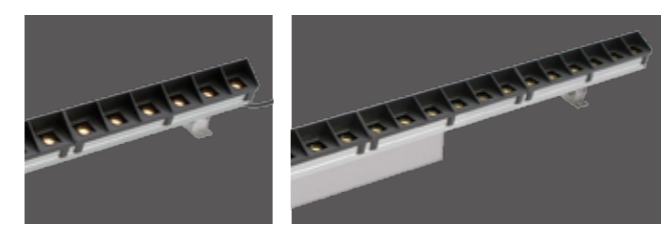
Basic Unit : 250x30x48mm



B6JA1256 / B6JC1256 Unit:mm

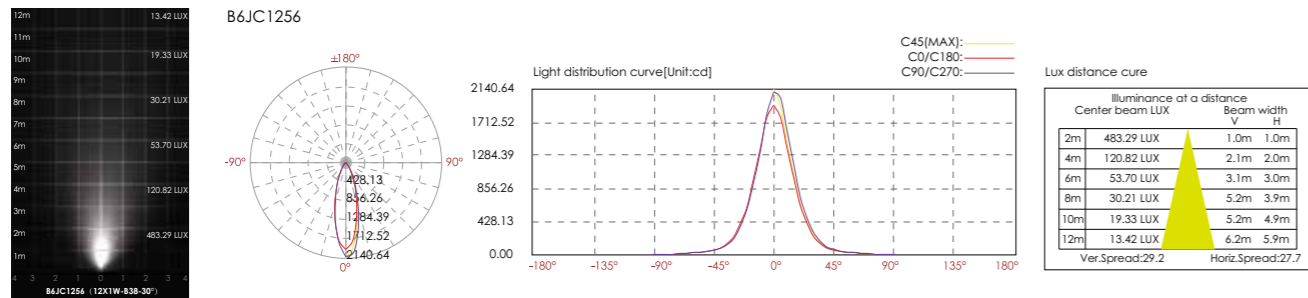
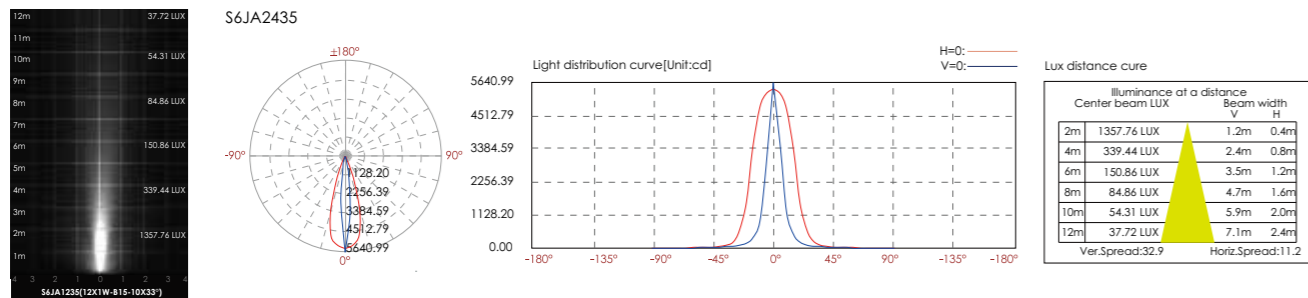
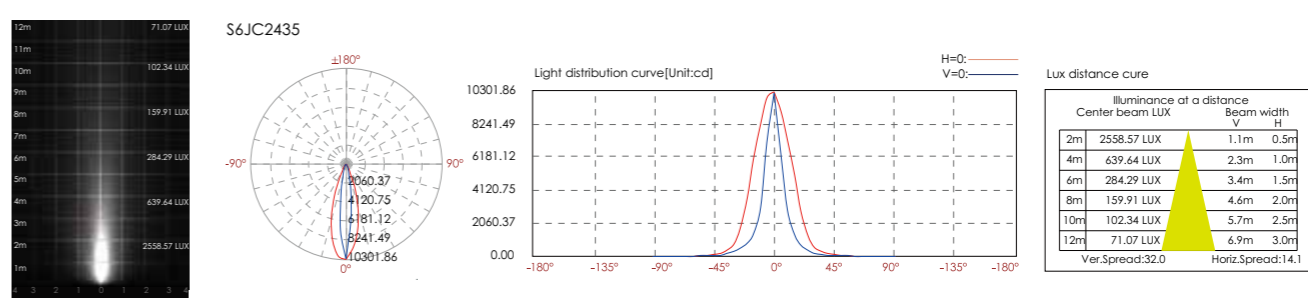
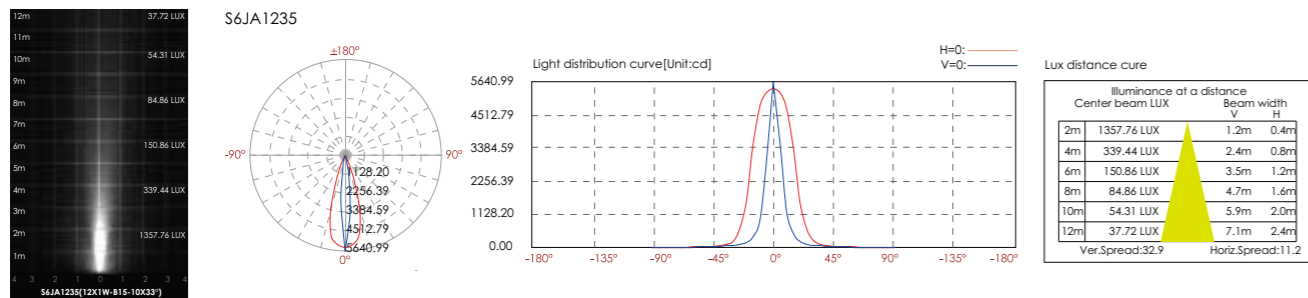
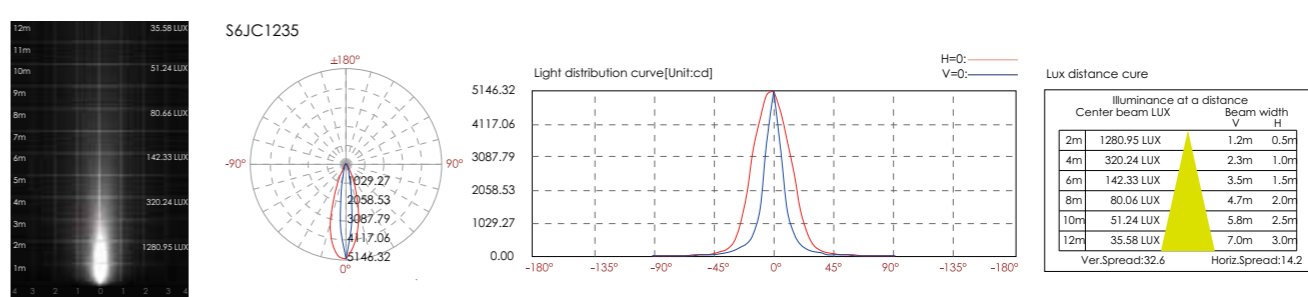
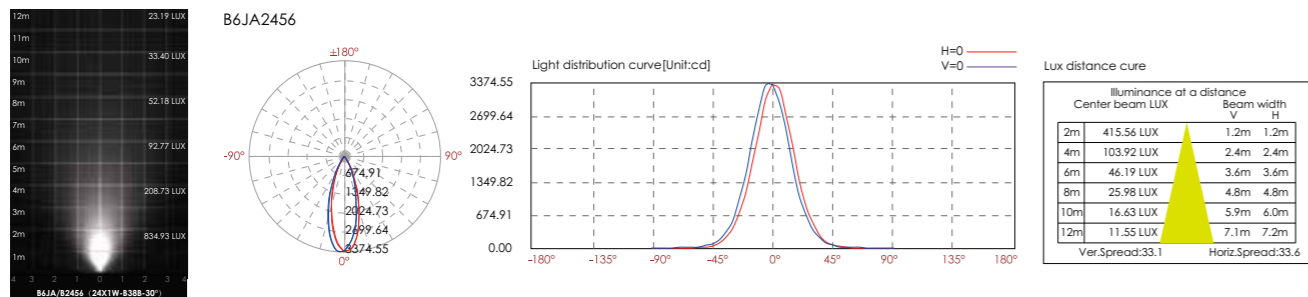
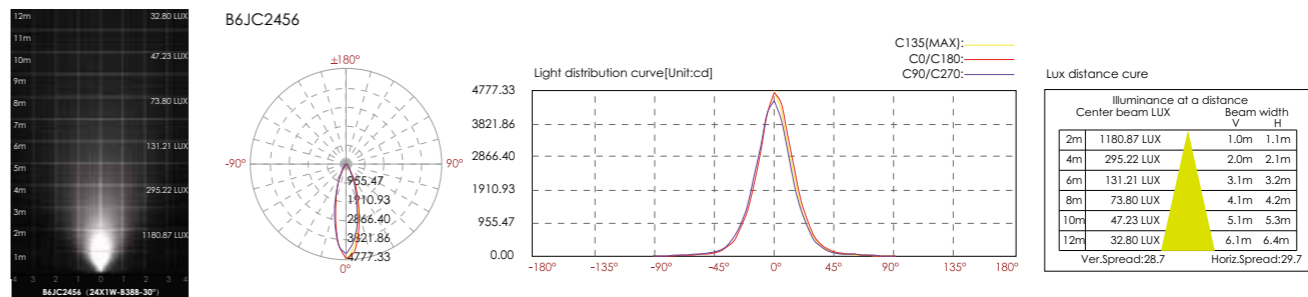
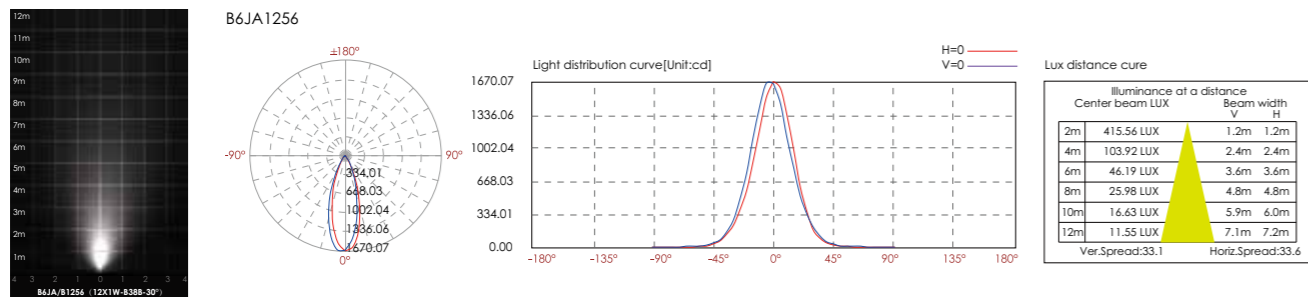


B6JA2456 / B6JC2456 Unit:mm



TECHNICAL DATA

LINEAR BEAM



Linear Beam 24V DC  
IP-66 Slim Light Bar



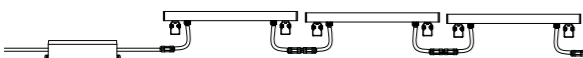
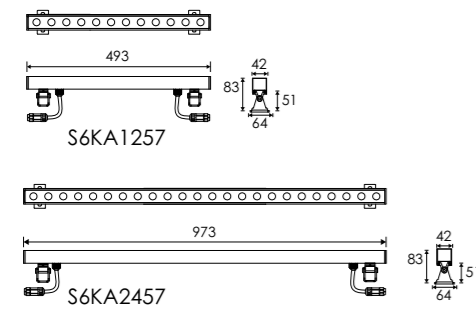
S6KA1257  
S6KA2457

LED COLOUR TEMPERATURE

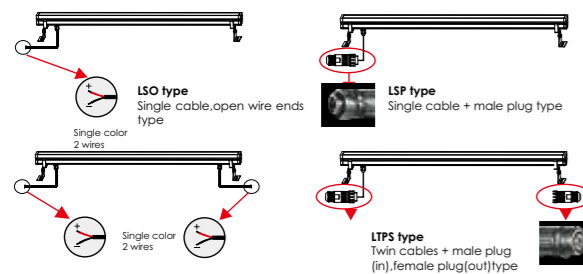
2000K · 3000K · 6000K

OUTER DIMENSIONS

Unit:mm



Low voltage input (24VDC) power cord model



TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
S6KA1257	12×1.5W	B27	10° 30°	24V DC	1000	24	Cool white =1943 Warm white =1494	06
S6KA2457	24×1.5W	B27	10° 30°	24V DC	1985	47	Cool white =3878 Warm white =2939	06

LINEAR  
BEAM

Linear Beam 120/240V  
IP-66 Slim Light Bar



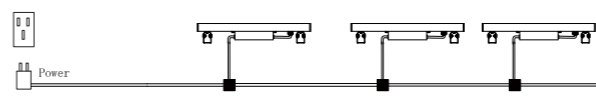
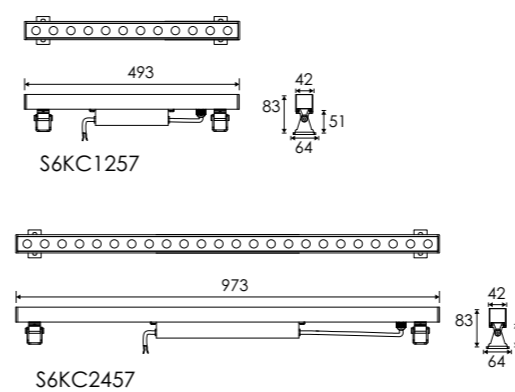
S6KC1257  
S6KC2457

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS

Unit:mm



High voltage input (100V-240V) power cord wiring model



TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
S6KC1257	12×1.5W	B27	10° 30°	120/240V	120V = 203 240V = 105	120V = 24.4 240V = 10.5	Cool white =2358 Warm white =1838	05
S6KC2457	24×1.5W	B27	10° 30°	120/240V	120V = 414 240V = 212	120V = 48.0 240V = 48.3	Cool white =4912 Warm white =3742	05

OPTICS



MATERIAL SPECIFICATIONS

Housing	Extruded aluminum anodized finishing or powder painting
Lens	Optical lens efficiency≥85%
Light window	Tempered glass,T=4mm
Cable gland	IP68 PG-9 PA66
Gasket	Glass and housing are silicone sealed
LED	Single color ORSAM LED
Operating temperature	-20°C~40°C
Bracket	Hard chromeplated stainless steel SUS 304#
Power Cable	H05RN-F 2X1.0mm <sup>2</sup> L=0.25m (low voltage)
Dimmable Support	Triac PWM 1-10V Dali

Optional Honeycomb Louver



OPTICS



MATERIAL SPECIFICATIONS

Housing	Extruded aluminum anodized finishing or powder painting
Lens	Optical lens efficiency≥85%
Light window	Tempered glass,T=4mm
Cable gland	IP68 PG-9 PA66
Gasket	Glass and housing are silicone sealed
LED	Single color ORSAM LED
Operating temperature	-20°C~40°C
Bracket	Hard chromeplated stainless steel SUS 304#
Power Cable	H05RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage)

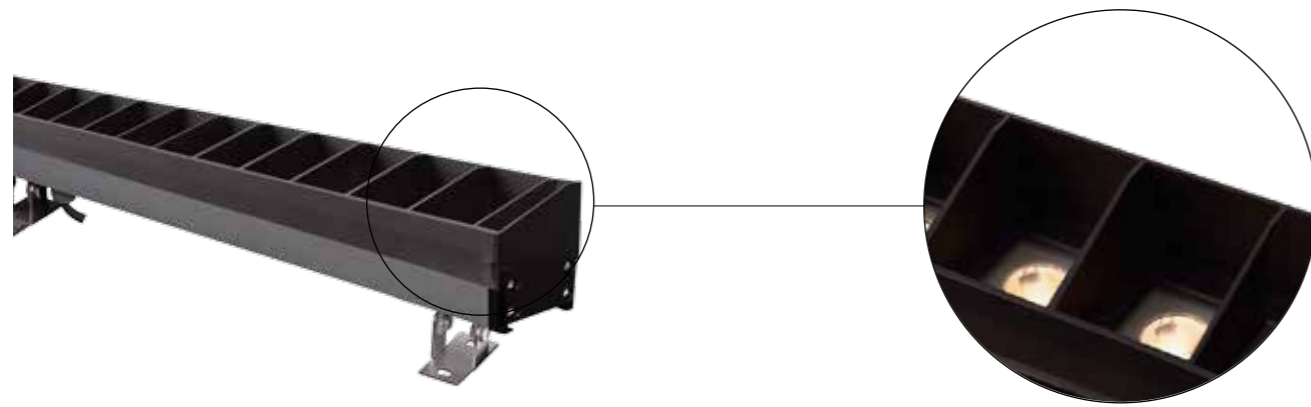
Optional Honeycomb Louver



6K Series

Optional Accessories- Anti Glare

Bevel cut anti-glare reflector 6001

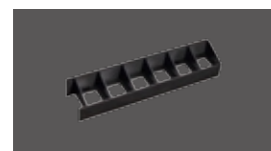


B6KA1257	B6KC1257
S6KA1257	S6KC1257



B6KA2457	B6KC2457
S6KA2457	S6KC2457

Basic Unit : 240x48x44mm



6001



+

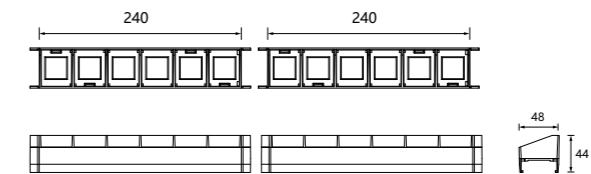


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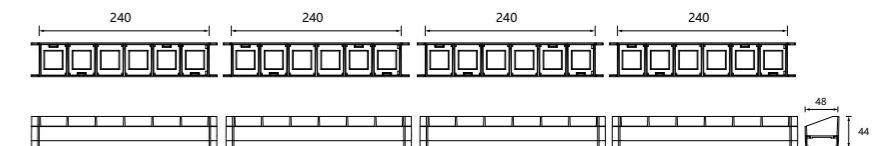
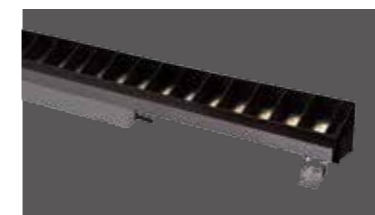
B6KA1257 B6KC1257 S6KA1257 S6KC1257

Unit:mm



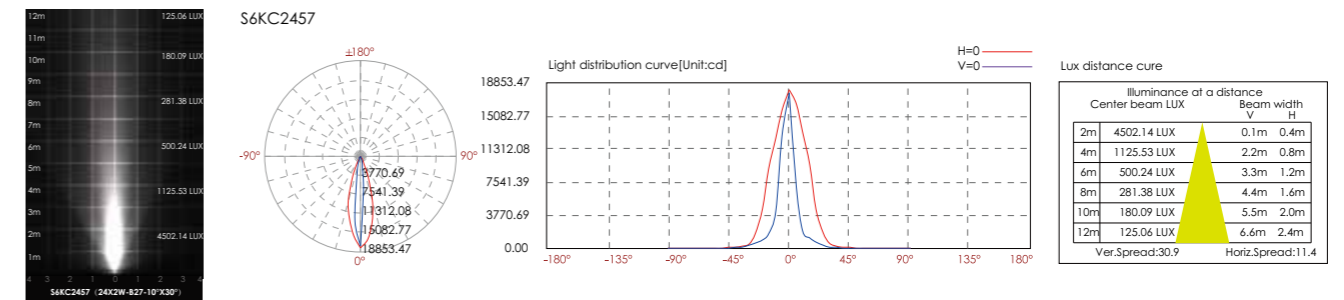
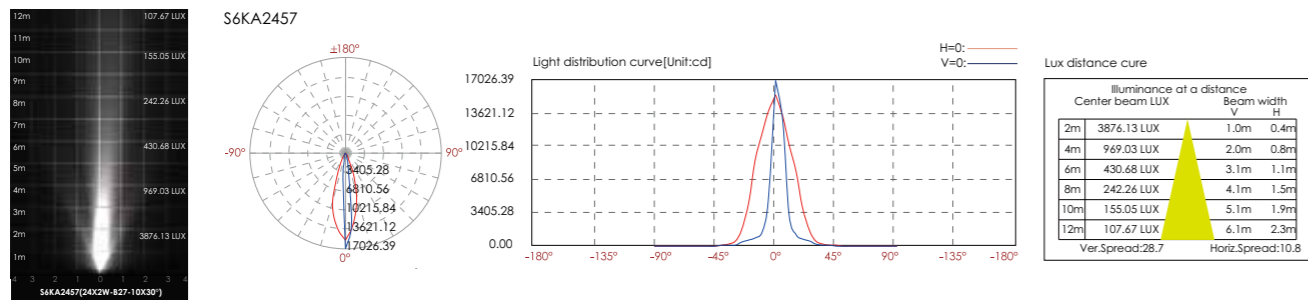
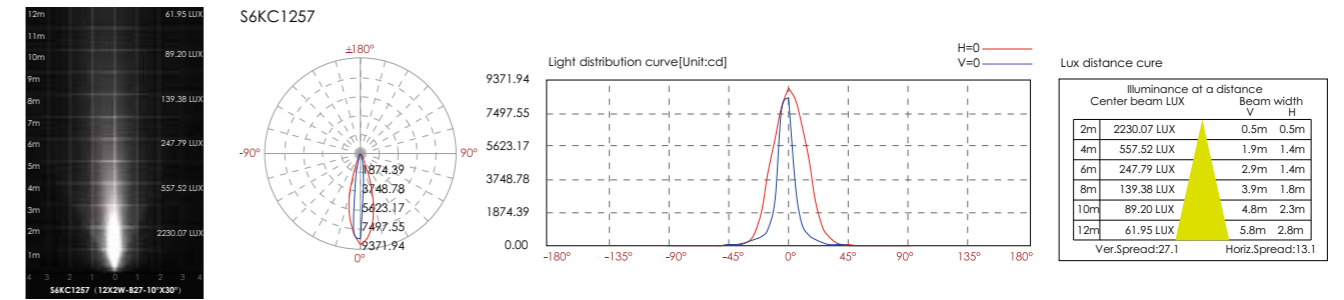
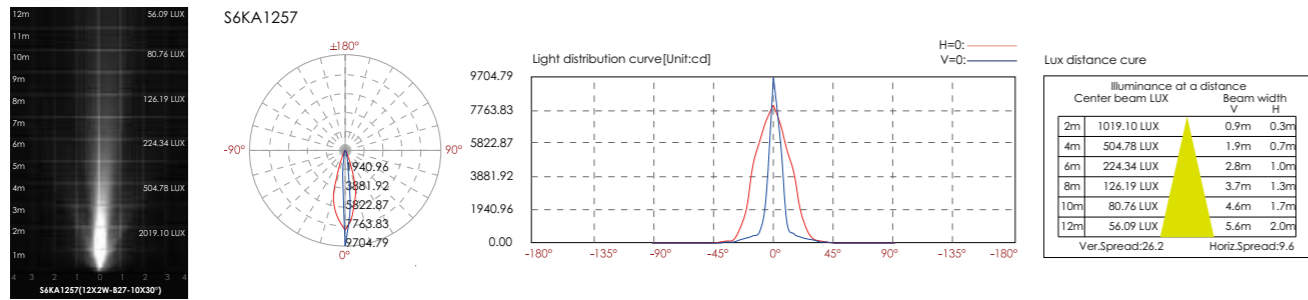
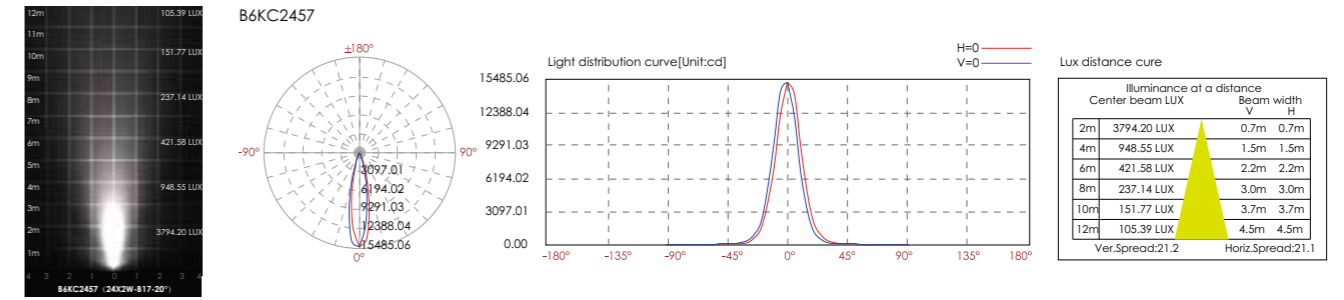
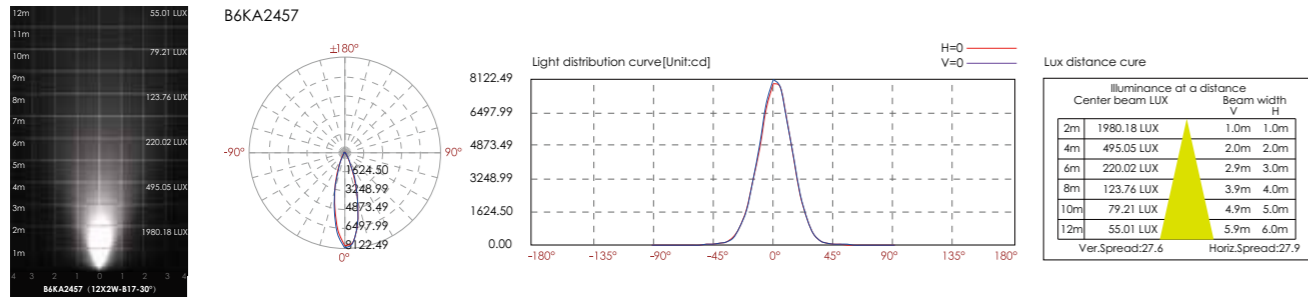
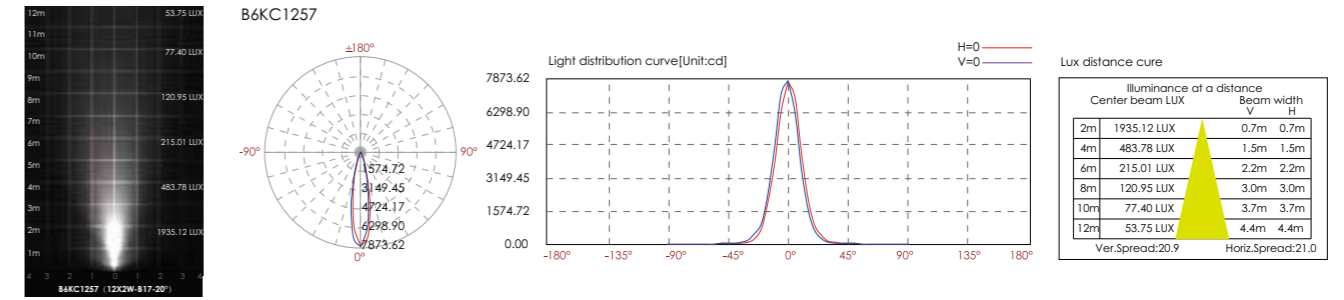
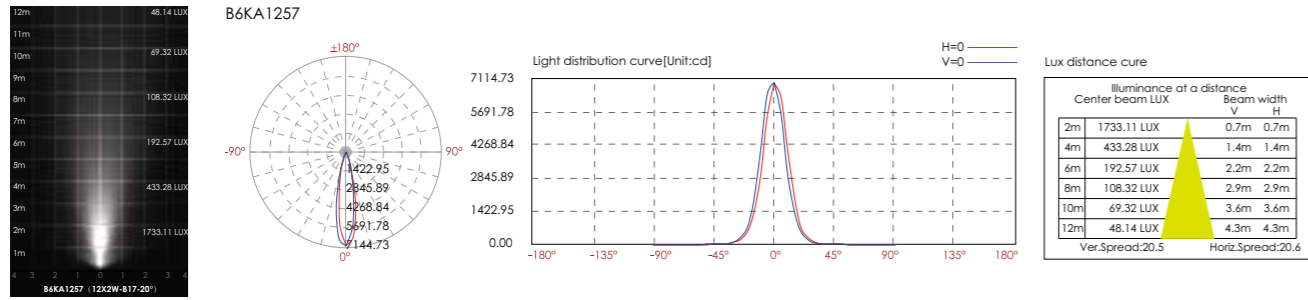
B6KA2457 B6KC2457 S6KA2457 S6KC2457

Unit:mm



TECHNICAL DATA

LINEAR BEAM





Linear Beam 24V DC  
IP-66 High Luminance Wall Washer



S6LA0658  
S6LA1258

LED COLOUR TEMPERATURE

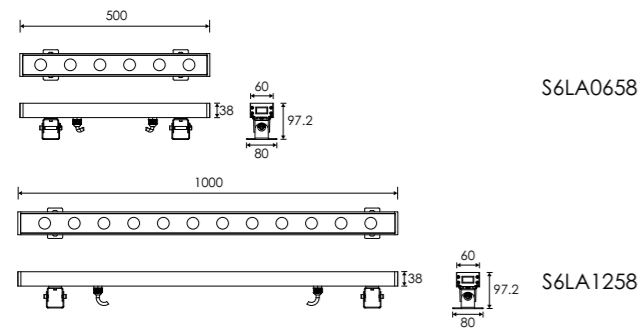
2000K · 3000K · 6000K

OPTICS



OUTER DIMENSIONS

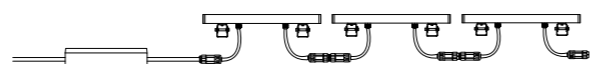
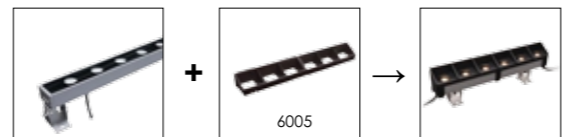
Unit:mm



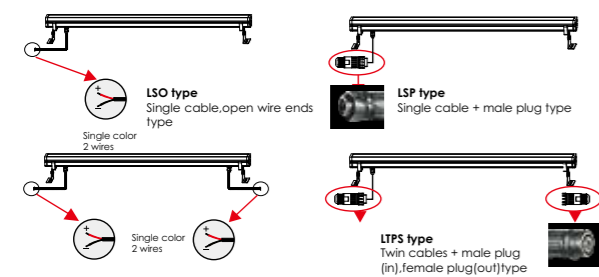
MATERIAL SPECIFICATIONS

<b>Housing</b>	Extruded aluminum, powder coated
<b>Lens</b>	Optical lens, efficiency ≥ 85%
<b>Light Window</b>	Tempered glass, T=4mm
<b>Cable gland</b>	IP-68 PG-13.5 PA66
<b>Gasket</b>	Glass and housing are silicone sealed
<b>LED</b>	NICHIA SMD 3535
<b>Operating temperature</b>	-20°C ~ 40°C
<b>Bracket</b>	12# Die-casting powder coated aluminum
<b>Power Cable</b>	H07RN-F 2x1.5mm <sup>2</sup> L=0.25m
<b>Dimmable Support</b>	Triac PWM 1-10V Dali

Optional Honeycomb Louver



Low voltage input (24VDC) power cord model



TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Length L=(mm)	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
S6LA0658	6X4W Nichia	A24	15°/30°	525	24V DC	24V = 1200	24V = 28.8	Cool white = 1930 Warm white = 1583	05
S6LA1258	12X4W Nichia	A24	15°/30°	1025	24V DC	24V = 2380	24V = 57.6	Cool white = 3976 Warm white = 3261	05

LINEAR  
BEAM

Linear Beam 120/240V  
IP-66 High Luminance Wall Washer



S6LC0658  
S6LC1258

LED COLOUR TEMPERATURE

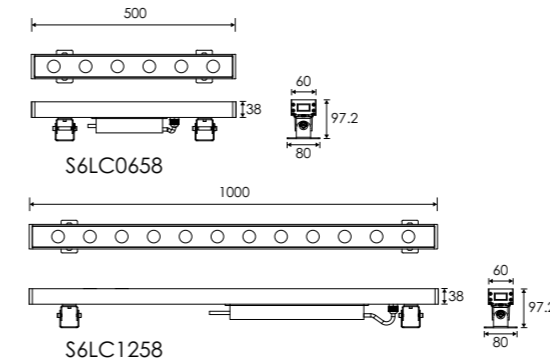
2000K · 3000K · 6000K

OPTICS



OUTER DIMENSIONS

Unit:mm



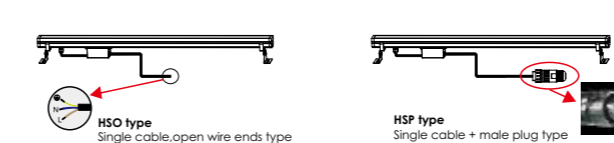
MATERIAL SPECIFICATIONS

<b>Housing</b>	Extruded aluminum, powder coated
<b>Lens</b>	Optical lens, efficiency ≥ 85%
<b>Light Window</b>	Tempered glass, T=4mm
<b>Cable gland</b>	IP-68 PG-9 PA66
<b>Gasket</b>	Glass and housing are silicone sealed
<b>LED</b>	NICHIA SMD 3535
<b>Operating temperature</b>	-20°C ~ 40°C
<b>Bracket</b>	12# Die-casting powder coated aluminum
<b>Power Cable</b>	H05RN-F 3X1.0mm <sup>2</sup> L=0.5m

Optional Honeycomb Louver



High voltage input (100V-240V) power cord wiring model



TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Length L=(mm)	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
S6LC0658	6X4W Nichia	A24	15°/30°	525	120/240V	120V = 222 240V = 114	120V = 26 240V = 26.1	Cool white = 1930 Warm white = 1583	05
S6LC1258	12X4W Nichia	A24	15°/30°	1025	120/240V	120V = 425 240V = 214	120V = 50 240V = 51	Cool white = 3976 Warm white = 3261	05

6L Series

Optional Accessories - Anti Glare

Bevel cut anti-glare reflector 6005

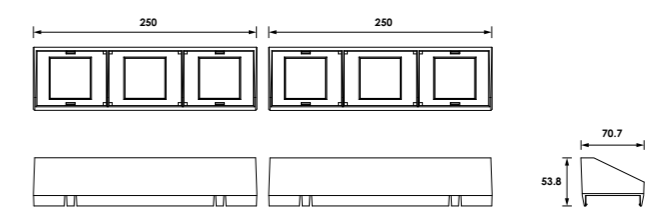


Basic Unit:250x70.7x53.8mm

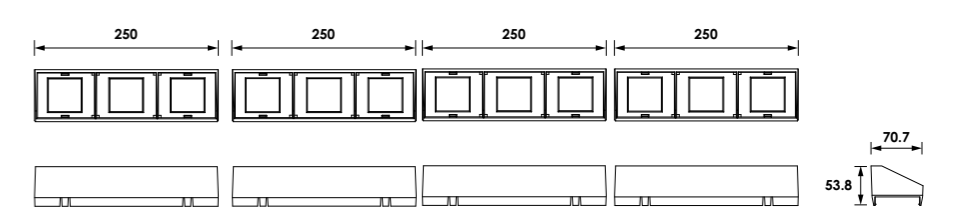


402  
402

A6LA0658 S6LA0658 A6LC0658 S6LC0658 Unit:mm

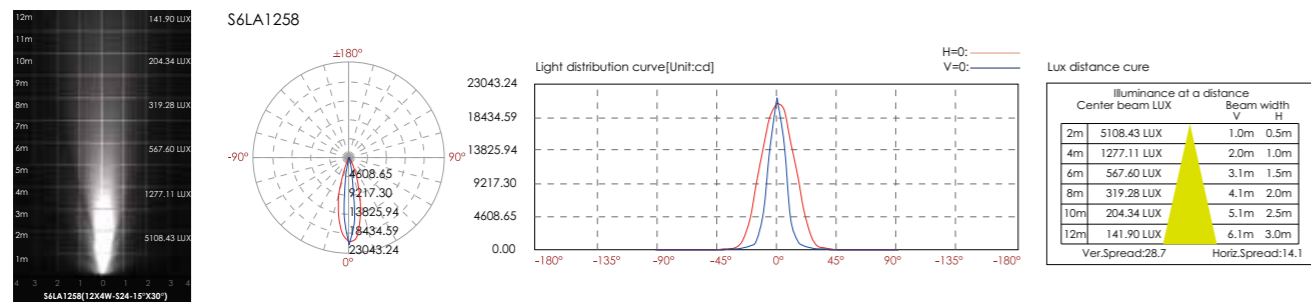
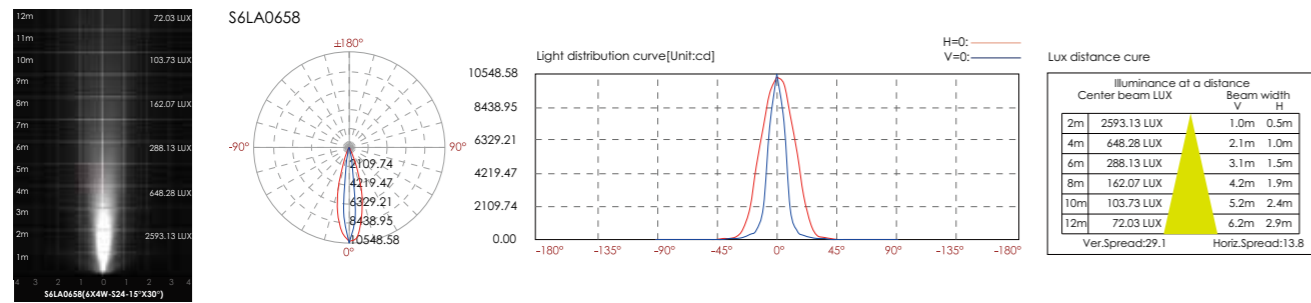
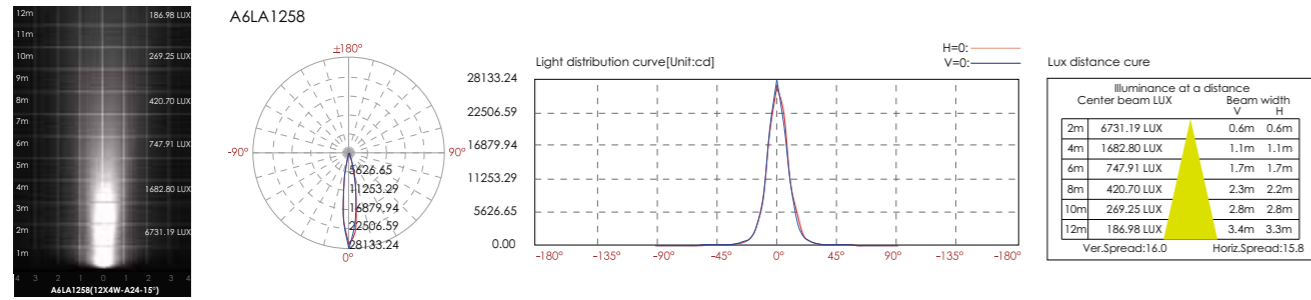
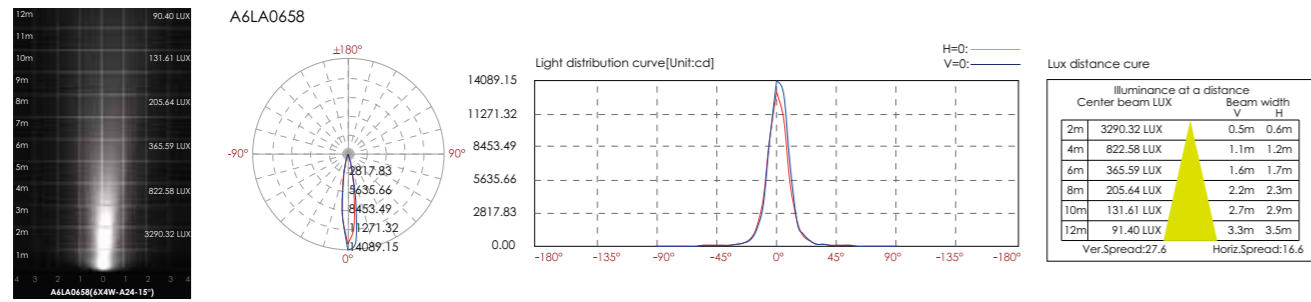


A6LA1258 S6LA1258 A6LC1258 S6LC1258 Unit:mm

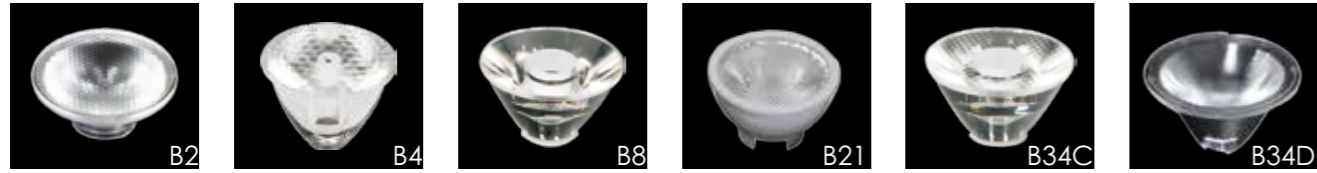


403  
403

TECHNICAL DATA

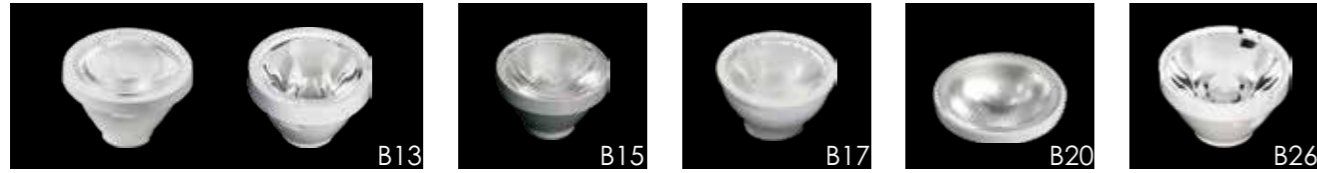


## 1. Individual lens for series B Item



L0130D022MS 30° L0130D027MS 30° L0125D023KP 25° L0135D020ME 35° L0115C023YH 15° L0130F023YH 30°

**Remark:**  
Above lens are suitable for IQ type LED only.

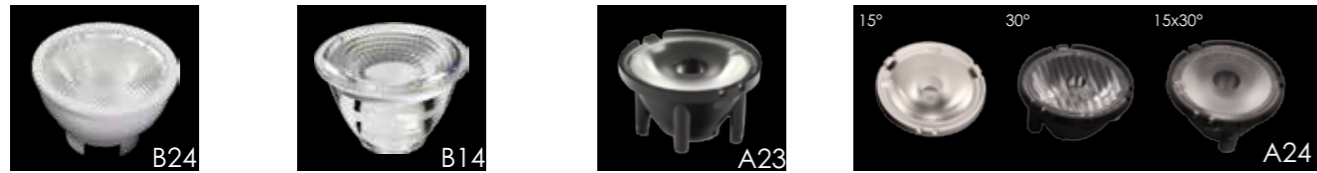


L0106D023LK 6° L0120D023LK 20° L0115D016LK 15° L0115D020ME 15° L0130D024KP 30° L0108C021YT 8°  
L0113D023LK 13° L0130D023LK 30° L0120D016LK 20° L0130D020ME 30° L0150D020ME 50°



L0113D021YT 13° L0120F024PS 20° L0115D023YH 15° L0109F023YH 9° L0106C023PS 6° L0130D014YH 30°  
L0125D021YT 25° L0125F024PS 25° L0120D023YH 20° L0110C023PS 10° L0140D014YH 40°  
L0130D021YT 30° L0130F024PS 30° L0130D023YH 30° L0145D023YH 45°  
L0110/30D021YM 10°\*30° L0135F024PS 35° L0145F024PS 45°  
L0110/45D021YM 10°\*45° L0110/75D021YM 10°\*75°

**Remark:**  
Above lens are suitable for SMD 3535 and SMD 3030 type LED only.



L0125D020ME 25° L0130F050KP 30° L0115F038KT 15° L0115D038LK 15° L0130D038LK 30° L0115D038LK 15°\*30°  
L0145F050KP 45° L0122F038KT 22° 30

**Remark:** Above lens are suitable for SMD 5050 type LED only.  
**Remark:** Above lens are suitable for COB type LED only.  
**Remark:** Above lens is suitable for RGBW Module type LED only.

## 2. Asymmetrical lens for series C Item



L01  $\frac{45}{35}$  F024PS L01  $\frac{45}{35}$  F023YH L01  $\frac{45}{35}$  F019HZ L01  $\frac{45}{35}$  F026KP L01  $\frac{45}{35}$  F026KP

**Remark:**  
(1) C8, C9, C11 lens are suitable for SMD 3535 type LED only.  
(1) The three lens are not exchangeable for the same fitting.



L01  $\frac{50}{35}$  F026ST L01  $\frac{50}{35}$  F020KP L01  $\frac{50}{35}$  F023KP

**Remark:**  
(1) C1, C3, C10 lens are suitable for IQ type LED only.  
(1) The three lens are not exchangeable for the same fitting.



R1 R0124C111RD 24° R0140C111RD 40°  
R2 R0112C085RD 12° R0124C085RD 24°  
R3 R0125C061HM 25°  
R4 R0125C045YG 25°



R5 R0118C044XL 18° R0125C044XL 25° R0140C044XL 40°  
R7 R0118C035XL 18° R0124C035XL 24° R0132C035XL 32°  
R8 R0115C050XL 15° R0124C050XL 24° R0138C050XL 38° R0160C050XL 60°  
R9 R0115C069XL 15° R0124C069XL 24° R0138C069XL 38°



R10 R0115C075XL 15° R0124C075XL 24° R0138C075XL 38°  
R11 R0112C095XL 12° R0124C095XL 24°  
R14 R0115C044SH 15° R0125C044SH 25° R0140C044SH 40° R0160C044SH 60°  
R16 R0112C110XL 12° R0112C110XL 25° R0112C110XL 38°



R17 R0112C069XL 12° R0118C069XL 18° R0132C069XL 32°  
R18 R0112C075XL 12° R0122C075XL 22° R0135C075XL 35° R0155C075XL 55°  
R19 R0110C095XL 10° R0122C095XL 22° R0138C095XL 38°  
R20 R0115C075XL 15° R0130C075XL 30° R0140C075XL 40°

## General list of mounting sleeve

Item No.	Reference picture	Dimensions	Item No.	Reference picture	Dimensions
011			021		
012			022		
013			023		
014			024		
015			025		
016			026		
017			031		
018			032		
019			033		
020			034		

## General list of mounting sleeve

Item No.	Reference picture	Dimensions	Item No.	Reference picture	Dimensions
035			058		
041			059		
051			060		
052			061		
053			062		
054			063		
055			064		
056			065		
057			066		

## General list of mounting sleeve

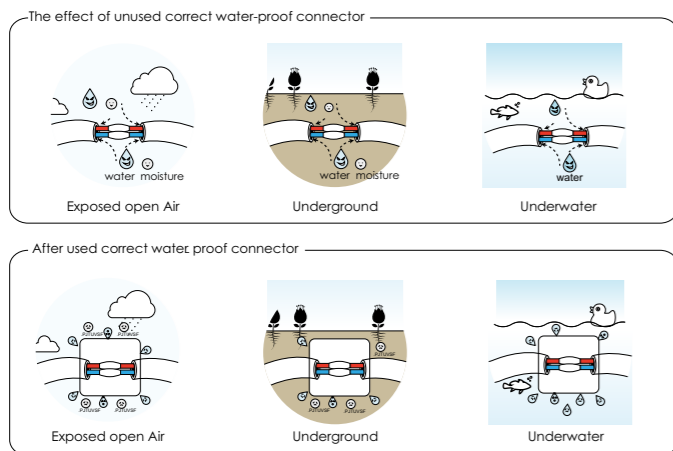
Item No.	Reference picture	Dimensions	Item No.	Reference picture	Dimensions
067			076		
068			077		
069			078		
070			081		
071			082		
072			083		
073			084		
074			085		
075			086		

## General list of mounting sleeve

Item No.	Reference picture	Dimensions	Item No.	Reference picture	Dimensions
087			130		
088			131		
089			132		
108			135		
121			136		
122			137		
125			138		
126					
127					

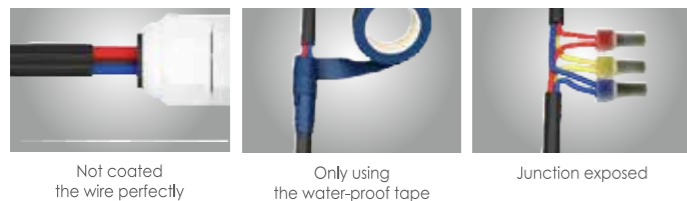
## How to dispose the outdoor light connector correctly

Precaution of water prevention and moisture to enter the lamp through power cable IP65 / IP66 / IP68. According to the research and test. The water infiltration is one of the biggest damage to the outdoors fixture. The following pictures are those typical circumstances will take place:



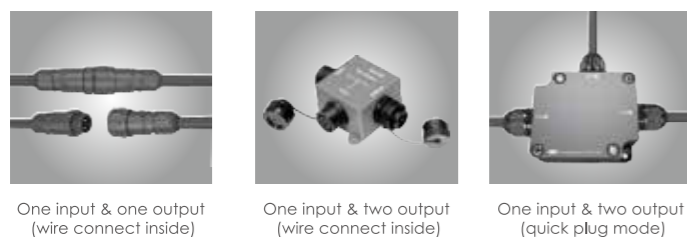
### Why use the water-proof connector?

When the fixture is turned on, the inside temperature will increase as the operating time goes. Conversely when the lamp stops working, the temperature will slowly drop. This phenomenon will cause "The Siphon effect". Thermal expansion and contraction makes the inside and outside air pressure differences. The vapor will infiltrate to the housing through the wire entry as soon as the internal air pressure is smaller than the external. The infiltration is caused by several incorrect connections like the picture below:



### The best and easiest ways to prevent the water filtration are by isolating directly

We recommend using the water-proof connector like the following pictures. The connector was developed especially for outdoors lightings to make sure the fixture is protected.



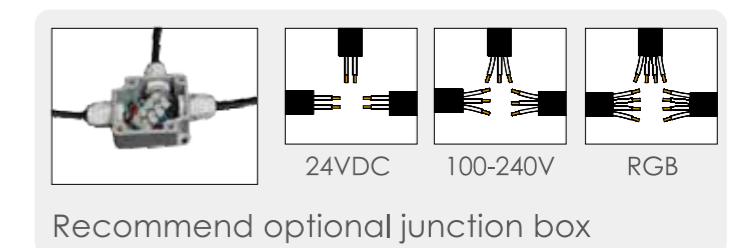
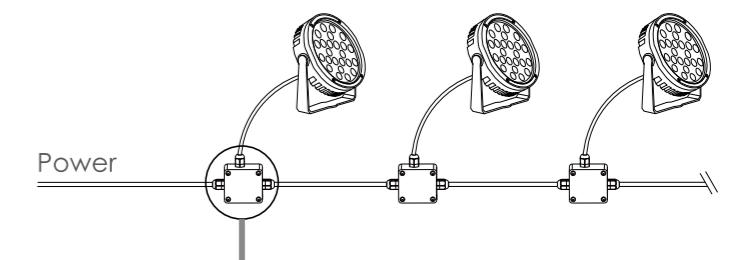
## PG-19211 cable gland connector box



### Specification

Housing	Flame resistant PC+fiber(Fire resistance PC fire resistance V-0)
Cable gland	Port 1:IP68 PG-9 for connecting luminaire Port 2 & Port 3:IP68 PG-11 for power input and power output to the next connector box Port 2 and Port 3 are non-directional
Block terminal	4 pins inside
Waterproof rate	IP-65
Cable outside-dimension	Max 10mm
Outer dimension	118×84×35mm

### Connection Demo



1. Open-end wire connection as the illustration above
2. Please choose the appropriate main cable for the total power to be applied.
3. Installers should prepare the main cables and waterproof connectors, or buy from Kapego.
4. Please take reference as fixtures' specs for its working current.

IP67






## Water-proof IP-67 Jiffy quick plug/socket connector S type



### Specifications

Housing materia	Housing fire resistance nylon fire resistance V-0
Pin	Brass
Maxmum loading current	15A/pin
Voltage	500V

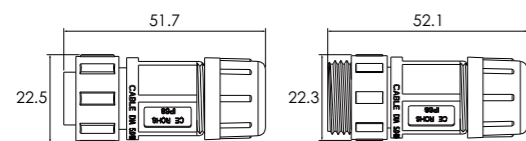
### Plug

	Front view				
	Item No.	M02	M03	M04	M05
	Description	2-Pin plug	3-Pin plug	4-Pin plug	5-Pin plug

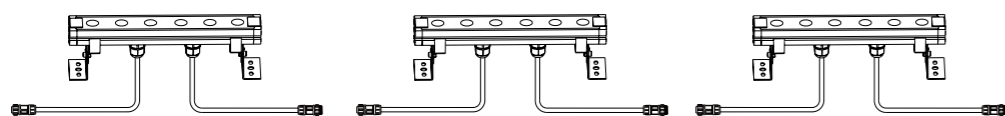
### Socket

	Front view				
	Item No.	F02	F03	F04	F05
	Description	2-Pin socket	3-Pin socket	4-Pin socket	5-Pin socket

### Outer Dimensions



### Connection demo (fixing with I plug socket)



IP67

## Water-proof Jiffy quick plug/socket Sub-unit T type



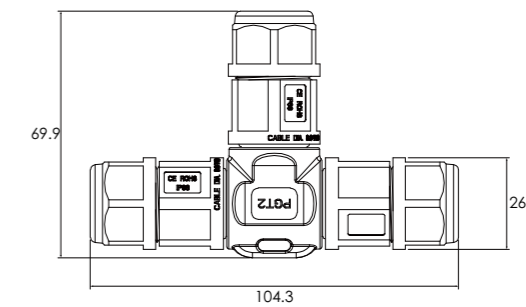
### Specifications

IP Rate	67
Housing Material	Water-proof lid before connecting for safty and to protect

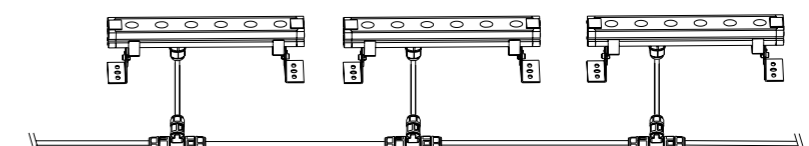
### Application

Item	To2	To3	To4
Pin number.	2	3	4
Suitable Range	Low input-Voltage Fixture	High Input- Voltage Fixture	RGB Color Changing Fixture

### Outer Dimensions



### Connection demo ( Fixture with I plug )





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