

惠州市康耐光电有限公司

Huizhou Comlite LED Ltd.

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**Comlite LED Limited**

专注户外景观照明

**Specialized LED Outdoor Light**

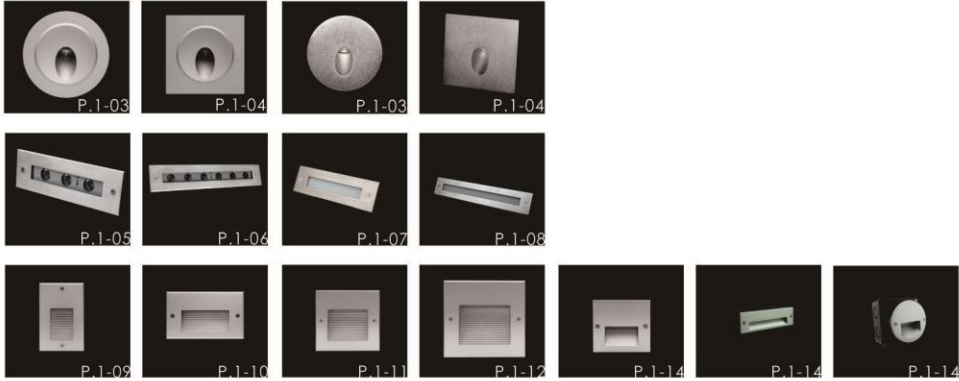
[www.comlite-led.com](http://www.comlite-led.com)

VER.2.0

介绍  
Introduction  
Factory &I

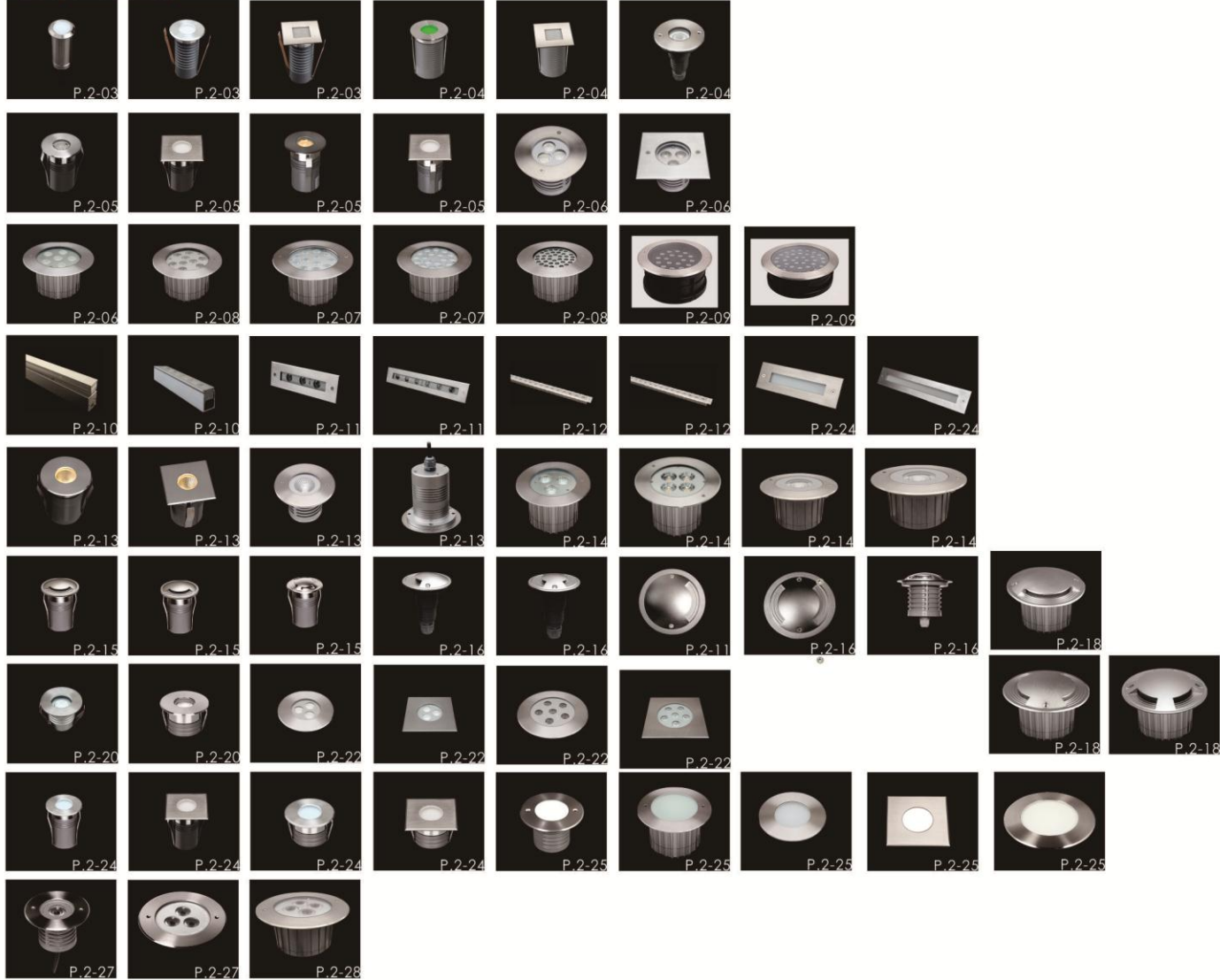
壁灯/墙角灯 IP65  
Wall Light

P.1-01~P.1-14



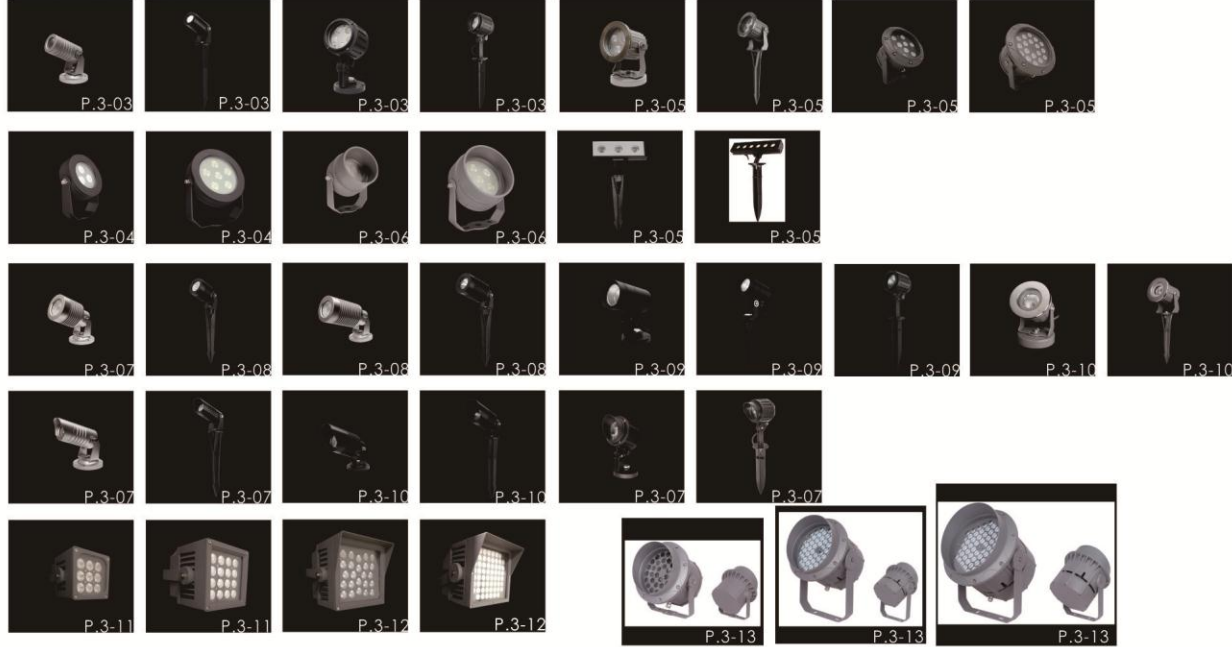
埋地灯 IP67  
Recessed underground light

P.2-01~P.2-28



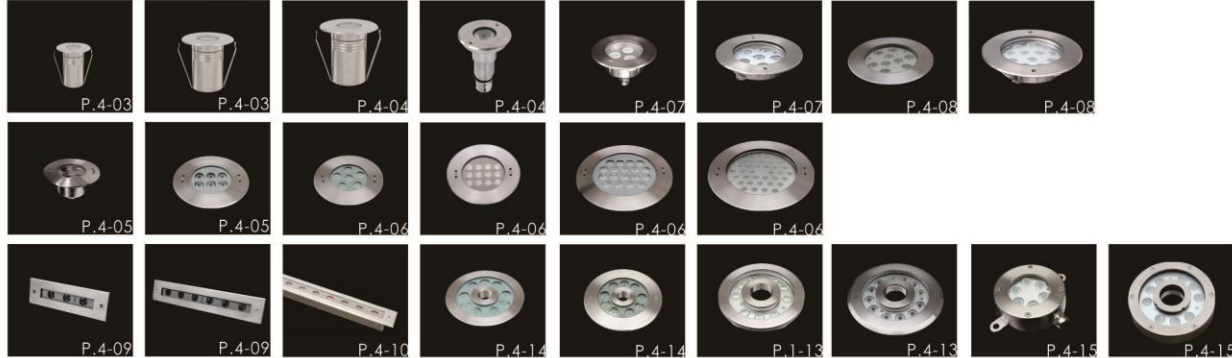
景观投光灯 IP65  
Landscape spot light

P.3-01~P.3-14



嵌入式水下灯 IP68  
Recessed underwater light

P.4-01~P.1-16



水下灯景观投光灯 IP68  
Underwater Spot light

P.5-01~P.5-08



洗墙灯 IP65  
Wall Washer light

P.6-01~P.6-04





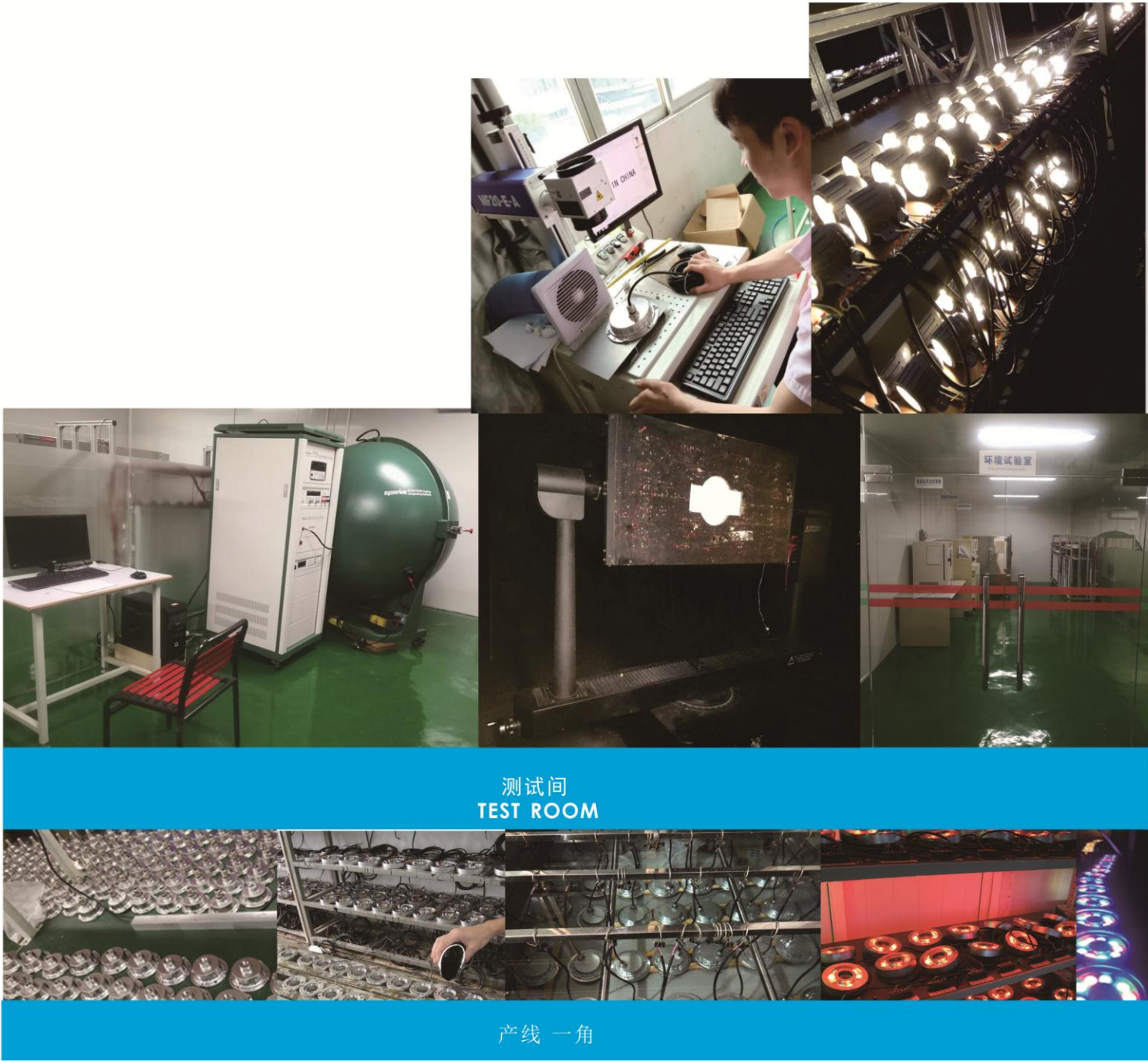
康耐光电有限公司位于惠州市陈江镇，  
专注于LED户外灯具产品集设计、  
研发、生产、销售为一体的生产型企业；  
自开建以来，公司秉承以质为本、  
以诚为根的经营宗旨；  
全系列产品已通过CE ROHS等认证；  
产品远销欧美、中东等多个国家；在国内外景观亮化工程广泛应用。

Comlite LED Ltd. local in Huizhou city,  
is s company of R & D, manufacturing, marketing in outdoor lighting products.  
All of our products are strict quality control from the ver beginning.  
Tey get certificate of CE and ROHS. Being sold in more than 40 countries in Europe,  
Aerica, Australia snd so on.  
Specialized in outdoor lighting products such as LED STELL LIGHT, LED UNDERGROUND,  
LED SPOT GARDEN LIGHT, LED RECESSED UNDERWATER LIGHT, LED SPOT UNDERWATER LIGHT.



IP65 OUTDOOR RATED    IP67 OUTDOOR RATED    IP68 OUTDOOR RATED

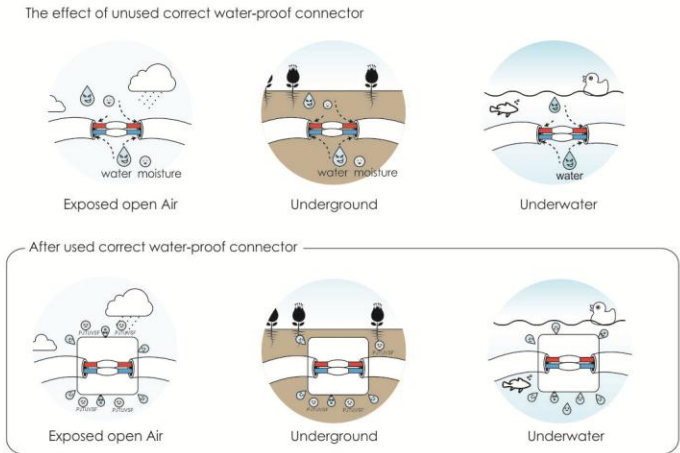
DAI 0/1-10V  
Triac DMX512





# How to dispose the outdoor light connector correctly

Precaution of water prevention and moisture to enter the lamp through power cable IP65 / IP67 Ip68, According to the research and test. The water infiltration is one of the biggest damage to the outdoors fixture. The bellowing 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 theinside 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.



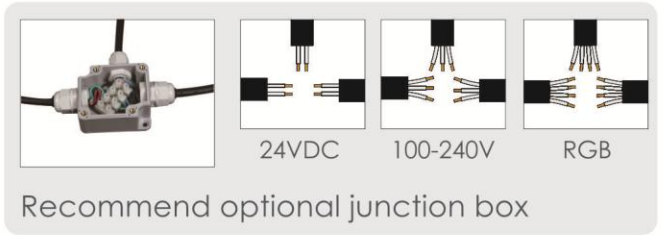
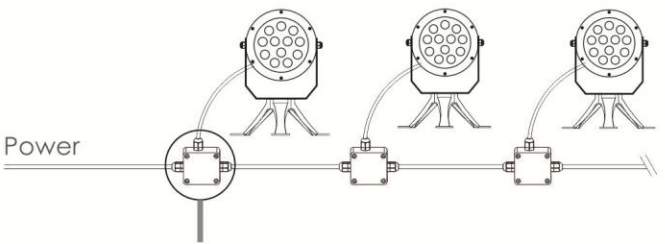
# PG-19211 cable gland connector box



## Specifications

- Normal ambient condition:
- \*operating temperature:-35°C~50°C
  - \*barometric pressure: 86~106KPa
  - \*grade of Waterproofing:IP68
- Product structure to describe
- \*Method of connecting wire:crimping by screw
  - \*cable diameter:
  - \*metal parts of connection:Cu
  - \*plastic housing:PC,V-0,PTI250
  - \*rubber gasket:silicone
  - \*maximum current :16A

## 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.

Water-proof  
Jiffy quick plug/socket connector & accessories

IP67  
OUTDOOR RATED

Socket connector & accessories



Specifications

Materia	Housing fire resistance nylon fire resistance V-0
Pin	copper with silver-coated
Maxmum loading current	2pins,3pins,4pins@16A/pin, 5pins,6pins@8A
Voltage	500 (V) (max.)

Features

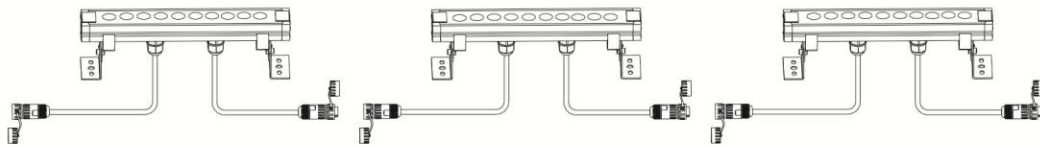
Plug

Front view				
Item No.	M02L	M03L	M04L	M05L
Description	2-Pin plug	3-Pin plug	4-Pin plug	5-Pin plug

Socket

Front view				
Item No.	F02L	F03L	F04L	F05L
Description	2-Pin socket	3-Pin socket	4-Pin socket	5-Pin socket

Connection demo



Comlite LED Limited

Water-proof  
Jiffy quick plug/socket junction box

IP67  
OUTDOOR RATED



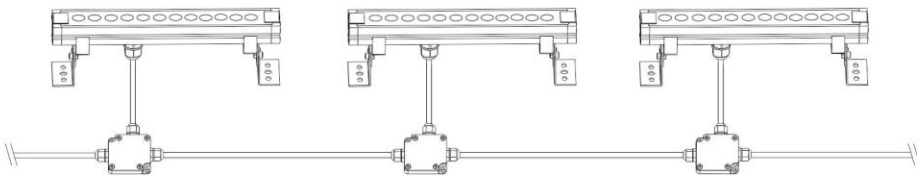
Specifications

Port	1× Plug for power source,2× Socket for iput and output
With IP68	water-proof lid before connecting for safty and to protect
Housing	Flame resistant PC + fiber (fire resistance PC fire resistance v-0)
Internal	4 pin block terminal with filled-in glue
Weight	200g
Outer Dimension	80×110×38mm

Features

Item	W-T02	W-T03	W-T05
Pin Qty	2-Pins	3-Pins	5-Pins
Suitable Range	Low Input-Voltage Fixture	High Input- Voltage Fixture	RGBW Color Changing Fixture

Connection demo



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# LED Recessed Wall Light Series

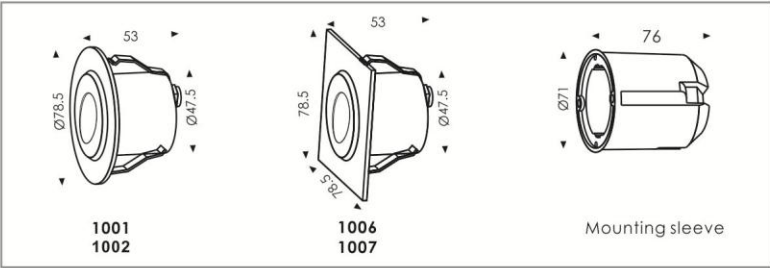


Recessed LED Stair Light and Wall Light



TRIAC PWM 1-10V DALI

Dimensions



Installation



LED colour option

2700K  
3000K  
4000K  
6000K

Front cover color option



Material specifications

Housing	12" Die-casting aluminum T=20-25um. Adhesion of ISO class 1/ASTM class 4B high temperature painting
LED Moudul	High power LEDs
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 3X0.75mm² L=0.3m(high voltage)
Mounting sleeve	PVC
Dimmable support	Triac PWM 1-10V DALI

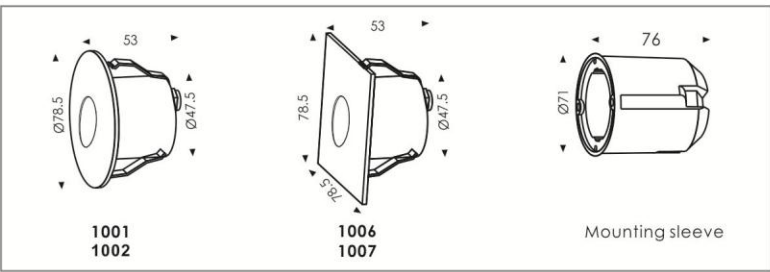
Art. Code	Power	CRI	Lens degree (°1/2)	Input voltage(v)	Typical operating current(mA)	Typical consumption(w)	Typical luminance (lm)	IK rate
1001	1x3W	≥80	80 °	24VDC	24 V = 110	24 V = 2.6	Cool white=64 Warm white=60	10
1002	1x3W	≥80	80 °	120/240	120V=48 240V=28	120V=2.8 240V=2.76	Cool white=64 Warm white=60	10
1006	1x3W	≥80	80 °	24VDC	24 V = 110	24 V = 2.6	Cool white=64 Warm white=60	10
1007	1x3W	≥80	80 °	120/240	120V=48 240V=28	120V=2.8 240V=2.76	Cool white=64 Warm white=60	10

Recessed LED Stair Light and Wall Light

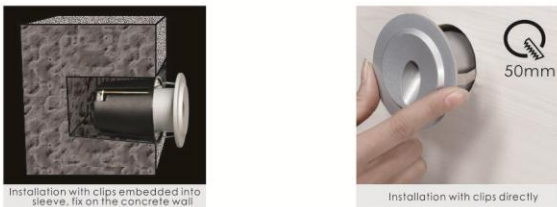


TRIAC PWM 1-10V DALI

Dimensions



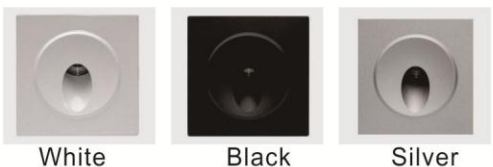
Installation



LED colour option

2700K  
3000K  
4000K  
6000K

Front cover color option



Material specifications

Housing	12" Die-casting aluminum T=20-25um. Adhesion of ISO class 1/ASTM class 4B high temperature painting
LED Moudul	High power LEDs
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 3X0.75mm² L=0.3m(high voltage)
Mounting sleeve	PVC
Dimmable support	Triac PWM 1-10V DALI

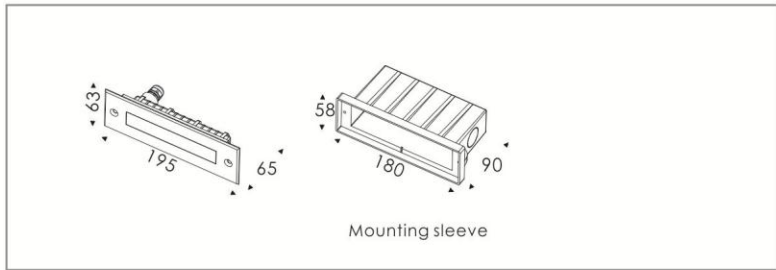
Art. Code	Power	CRI	Lens degree (°1/2)	Input voltage(v)	Typical operating current(mA)	Typical consumption(w)	Typical luminance (lm)	IK rate
1011	1x3W	≥80	80 °	24VDC	24 V = 110	24 V = 2.6	Cool white=64 Warm white=60	10
1012	1x3W	≥80	80 °	120/240	120V=48 240V=28	120V=2.8 240V=2.8	Cool white=64 Warm white=60	10
1016	1x3W	≥80	80 °	24VDC	24 V = 110	24 V = 2.6	Cool white=64 Warm white=60	10
1017	1x3W	≥80	80 °	120/240	120V=48 240V=28	120V=2.8 240V=2.8	Cool white=64 Warm white=60	10



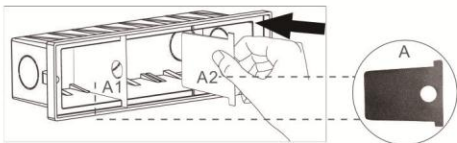
Recessed LED Stair Light and Wall Light



Dimensions



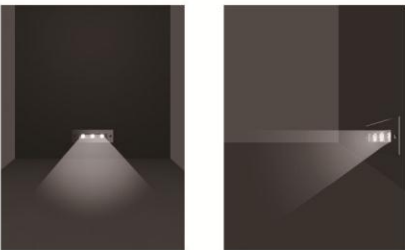
Installation



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

LED colour option

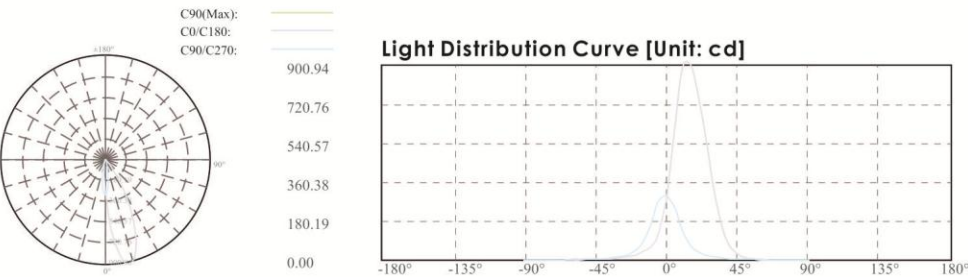
2000K  
3000K  
4000K  
6000K



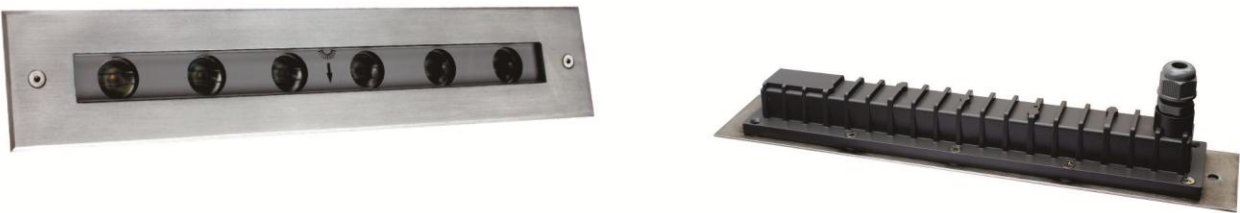
Material specifications

Housing	12# Die-casting grey powder coated aluminum ,T=60-80μm Adhesion of ISO class 1/ASTM class 4B
Front cover	Stainless steel SUS 316L
Glass	Step tempered glass, T=8mm
Cable gland	IP-67 PG-9 PVC
Gasket	Tooling shaped seal
Driver	Constant current output,Constant current output
Operating temperature	-20℃~40℃
Power cable	H05RN-F 2X1.0mm² L=0.5m (low voltage) H05RN-F 3X0.75mm² L=0.5m (high voltage) H05RN-F 4X0.75mm² L=0.5m (for RGB)
Mounting sleeve	PVC

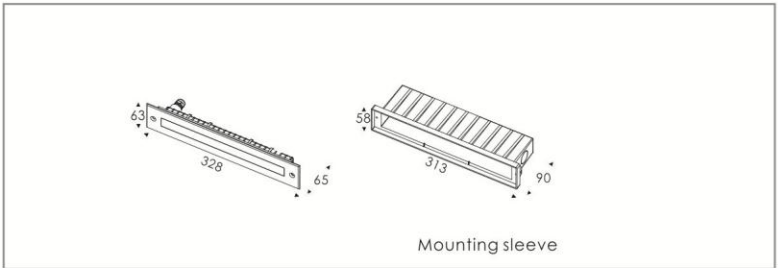
Art. Code	Power	CRI	Lens degree (Θ1/2)	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance (lm)	IK rate
1026 1027	3x2W	≥80	35 45 °	24VDC 120/240	24V=400 120V=52 240V=26	24V=6.8 120V=6.2 240V=5.7	Cool white=400 Warm white=285	09



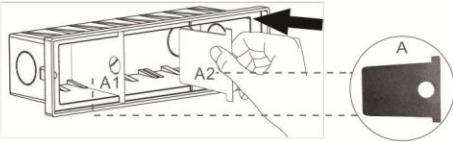
Recessed LED Stair Light and Wall Light



Dimensions



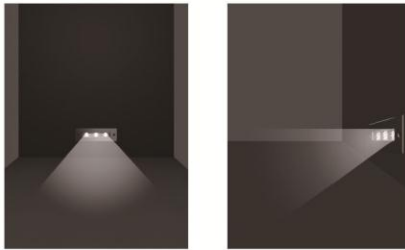
Installation



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- Please take out the support plate (A1 & A2) from the "mounting sleeve" before installation.

LED colour option

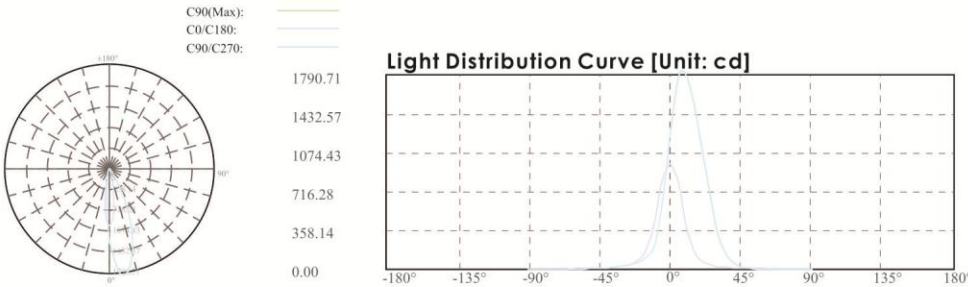
2000K  
3000K  
4000K  
6000K



Material specifications

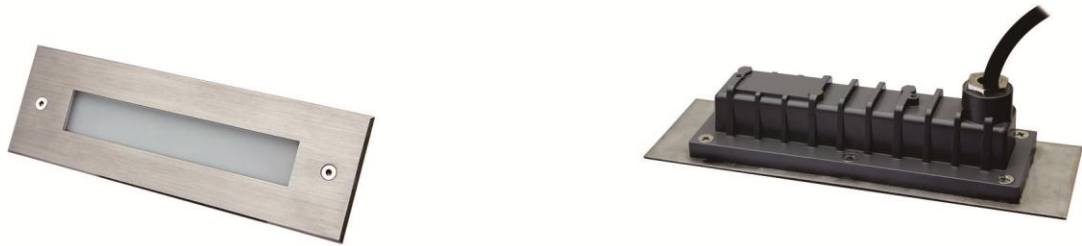
Housing	12# Die-casting grey powder coated aluminum ,T=60-80μm Adhesion of ISO class 1/ASTM class 4B
Front cover	Stainless steel SUS 316L
Glass	Step tempered glass, T=8mm
Cable gland	IP-67 PG-9 PVC
Gasket	Tooling shaped seal
Driver	Constant current output,Constant current output
Operating temperature	-20℃~40℃
Power cable	H05RN-F 2X1.0mm² L=0.5m (low voltage) H05RN-F 3X0.75mm² L=0.5m (high voltage) H05RN-F 4X0.75mm² L=0.5m (for RGB)
Mounting sleeve	PVC

Art. Code	Power	CRI	Lens degree (Θ1/2)	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance (lm)	IK rate
1034 1035	6x2W	≥80	35 45 °	24VDC 120/240	24V=480 120V=100 240V=52	24V=11.6 120V=11.8 240V=12.1	Cool white=875 Warm white=578	09

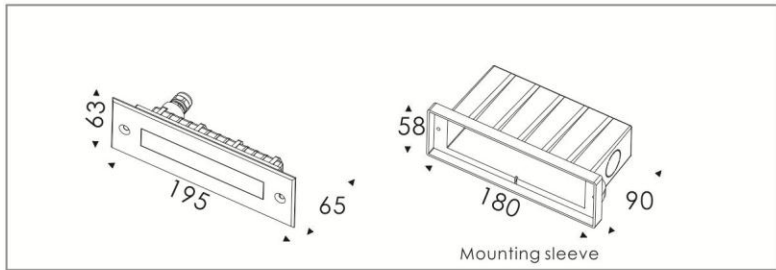




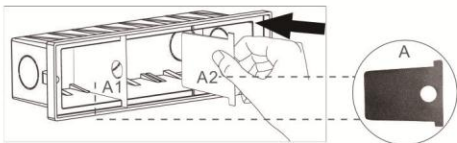
Recessed LED Stair Light and Wall Light



Dimensions



Installation



- The right picture-"A" is the support plate used for "mounting sleeve" during the construction installation process to prevent deformation of the support plate.
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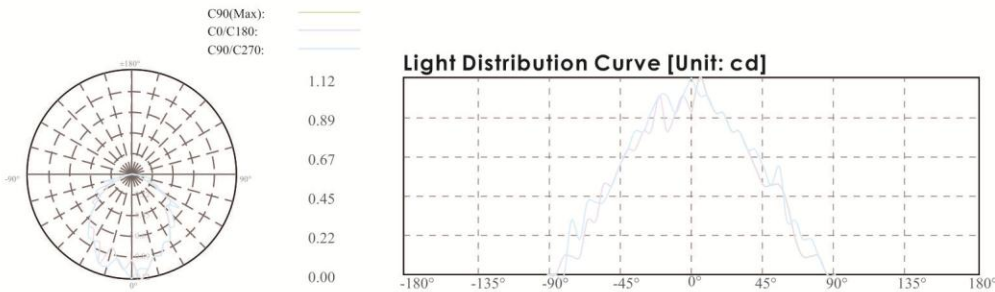
LED colour option

2000K RGB  
3000K  
4000K  
6000K

Material specifications

Housing	12# Die-casting grey powder coated aluminum .T=60-80μm Adhesion of ISO class 1/ASTM class 4B
Front cover	Stainless steel SUS 316L
Glass	Step tempered glass. T=8mm
Cable gland	IP-67 PG-9 PVC
Gasket	Tooling shaped seal
Driver	Constant current output.Constant current output
Operating temperature	-20℃~40℃
Power cable	H05RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage) H05RN-F 3X0.75mm <sup>2</sup> L=0.5m (high voltage) H05RN-F 4X0.75mm <sup>2</sup> L=0.5m (for RGB)
Mounting sleeve	PVC

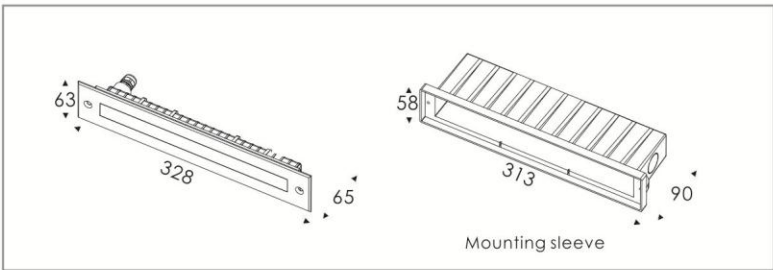
Art. Code	Power	CRI	Lens degree (Θ1/2)	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance (lm)	IK rate
1030 1031	10 X SMD	≥80	120 °	24VDC 120/240	24V=100 120V=62 240V=31	24V=2.4 120V=3.7 240V=3.7	Cool white=18 Warm white=15	09



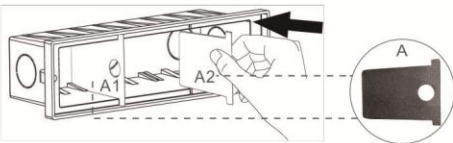
Recessed LED Stair Light and Wall Light



Dimensions



Installation



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

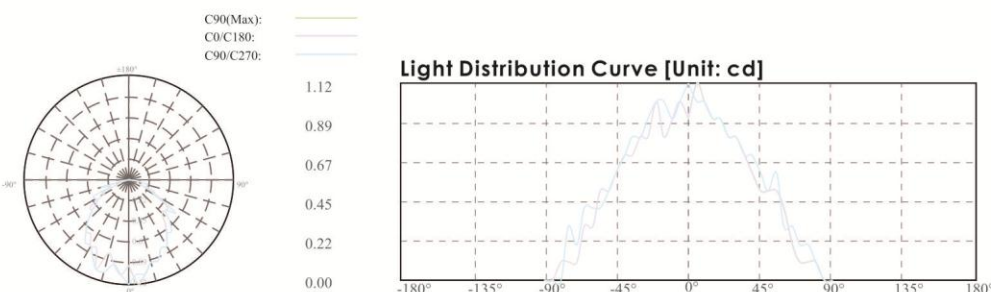
LED colour option

2000K RGB  
3000K  
4000K  
6000K

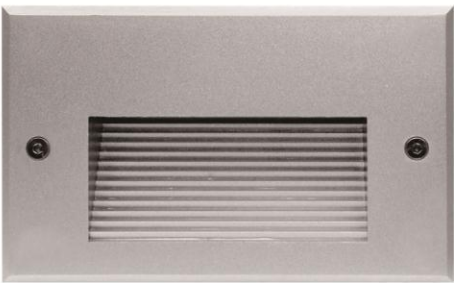
Material specifications

Housing	12# Die-casting grey powder coated aluminum .T=60-80μm Adhesion of ISO class 1/ASTM class 4B
Front cover	Stainless steel SUS 316L
Glass	Step tempered glass. T=8mm
Cable gland	IP-67 PG-9 PVC
Gasket	Tooling shaped seal
Driver	Constant current output.Constant current output
Operating temperature	-20℃~40℃
Power cable	H05RN-F 2X1.0mm <sup>2</sup> L=0.5m (low voltage) H05RN-F 3X0.75mm <sup>2</sup> L=0.5m (high voltage) H05RN-F 4X0.75mm <sup>2</sup> L=0.5m (for RGB)
Mounting sleeve	PVC

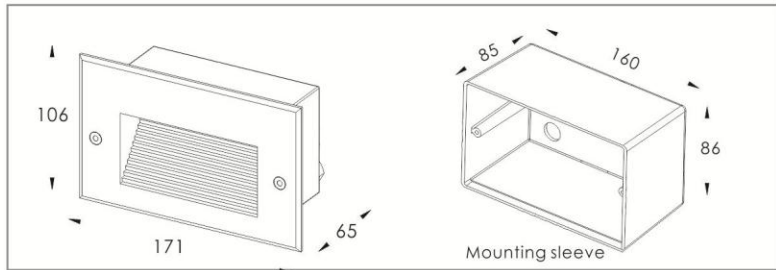
Art. Code	Power	CRI	Lens degree (Θ1/2)	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance (lm)	IK rate
1038 1039	20xSMD	≥80	120 °	24VDC 120/240	24V=200 120V=117 240V=54	24V=4.8 120V=5.8 240V=5.8	Cool white=36 Warm white=30	09



Recessed LED Stair Light and Wall Light



Dimensions



Installation

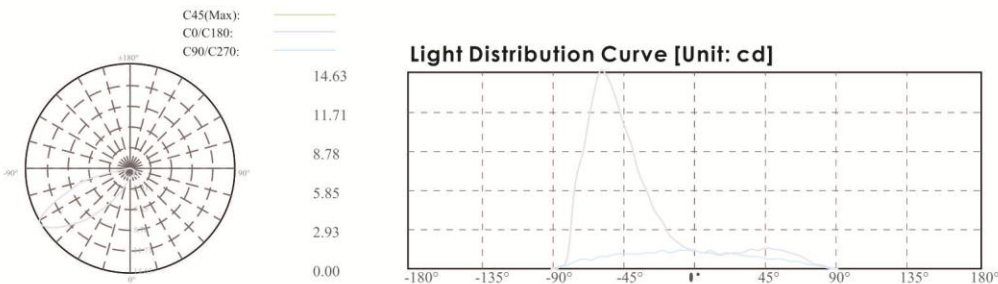
LED colour option

- 2700K
- 3000K
- 4000K

Material specifications

Housing	12# Die-casting grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
Front cover	12# Die-casting aluminum PT877U liquid coated , T=20-30µm Adhesion of ISO class 1/ASTM class 4B
Cable gland	IP-67 copper and nickel coated
Gasket	Molding shaped silicone seal
LED	SMD3528 type power LED
Driver	Constant voltage output,Constant current output
Operating temperature	-20℃ ~40℃
Power cable	H05RN-F 2X1.0mm² L=0.5m H05RN-F 3X0.75mm² L=0.5m
Mounting sleeve	PVC

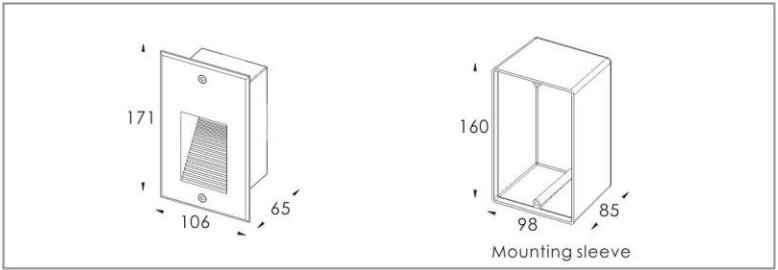
Art. Code	Power	CRI	Lens degree (θ1/2)	Input voltage(V)	Typical operating current(mA)	Typical consumption(w)	Typical luminance (lm)	IK rate
1042 1043	24 X SMD	≥80	120 °	24VDC 120/240	24V=11.6 120V=24 240V=12.5	24V=2.8 120V=3.0 240V=3.0	Cool white=80 Warm white=68	10



Recessed LED Stair Light and Wall Light



Dimensions



Installation

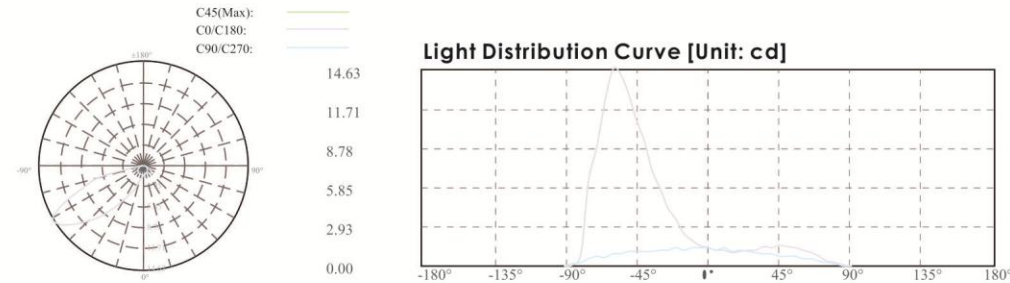
LED colour option

- 2700K
- 3000K
- 4000K

Material specifications

Housing	12# Die-casting grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
Front cover	12# Die-casting aluminum PT877U liquid coated , T=20-30µm Adhesion of ISO class 1/ASTM class 4B
Cable gland	IP-67 copper and nickel coated
Gasket	Molding shaped silicone seal
LED	SMD3528 type power LED
Driver	Constant voltage output,Constant current output
Operating temperature	-20℃ ~40℃
Power cable	H05RN-F 2X1.0mm² L=0.5m H05RN-F 3X0.75mm² L=0.5m
Mounting sleeve	PVC

Art. Code	Power	CRI	Lens degree (θ1/2)	Input voltage(V)	Typical operating current(mA)	Typical consumption(w)	Typical luminance (lm)	IK rate
1044 1045	12xSMD	≥80	120 °	24VDC 120/240	24V=5.8 120V=15 240V=7.5	24V=1.4 120V=1.8 240V=1.8	Cool white=66 Warm white=53	10

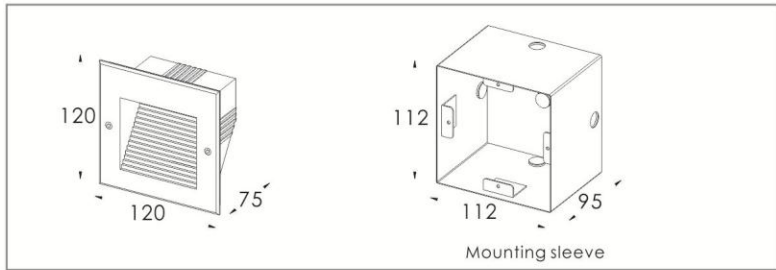




Recessed LED Stair Light and Wall Light



Dimensions



Installation

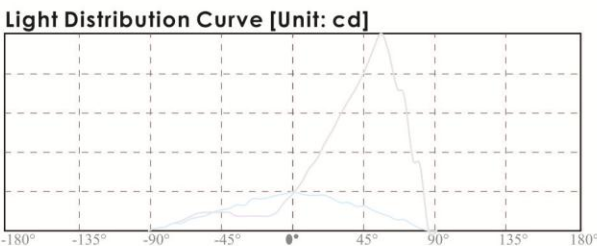
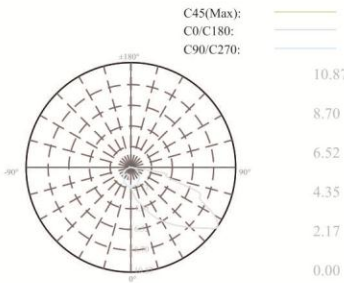
LED colour option

- 2000K    Amber
- 3000K    Yellow
- 4000K

Material specifications

Housing	12# Die-casting grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
Front cover	12# Die-casting aluminum PT877U liquid coated , T=20-30µm Adhesion of ISO class 1/ASTM class 4B
Cable gland	IP-67 copper and nickel coated
Gasket	Molding shaped silicone seal
LED	SMD3528 type power LED
Driver	Constant voltage output,Constant current output
Operating temperature	-20℃~40℃
Power cable	H05RN-F 2X1.0mm² L=0.5m H05RN-F 3X0.75mm² L=0.5m
Mounting sleeve	PVC

Art. Code	Power	CRI	Lens degree (θ1/2)	Input voltage(V)	Typical operating current(mA)	Typical consumption(w)	Typical luminance (lm)	IK rate
1046	12 X SMD	≥80	120 °	24VDC	24V=6.6	24V=1.6	Cool white=59 Warm white=48	10
1047				120/240	120V=1.5	120V=1.8		
					240V=7.5	240V=1.8		



Lux distance Curve

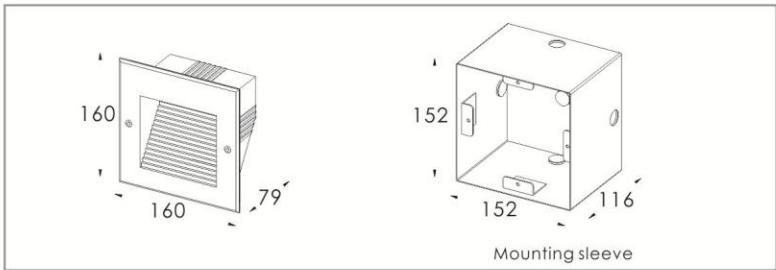
Center Beam LUX	Beam Width V	Beam Width H
3m 0.51 LUX	4.2m	1.8m
4m 0.13 LUX	8.4m	3.6m
6m 0.06 LUX	12.6m	5.4m
8m 0.03 LUX	16.9m	7.3m
10m 0.02 LUX	21.1m	9.1m
12m 0.01 LUX	25.3m	10.9m

Vert.Spread:91.0 Horiz.Spread:48.8

Recessed LED Stair Light and Wall Light



Dimensions



Installation

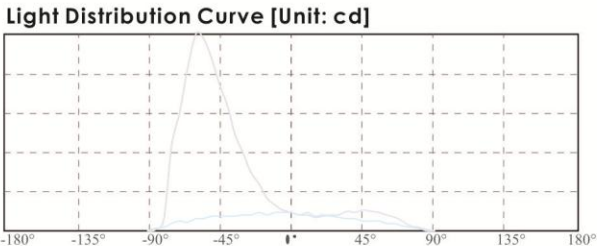
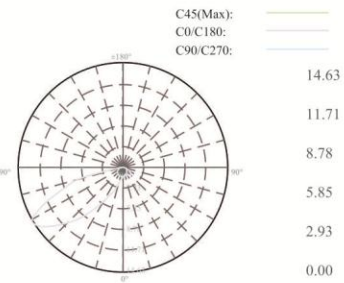
LED colour option

- 2000K    Amber
- 3000K    Yellow
- 4000K

Material specifications

Housing	12# Die-casting grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
Front cover	12# Die-casting aluminum PT877U liquid coated , T=20-30µm Adhesion of ISO class 1/ASTM class 4B
Cable gland	IP-67 copper and nickel coated
Gasket	Molding shaped silicone seal
LED	SMD3528 type power LED
Driver	Constant voltage output,Constant current output
Operating temperature	-20℃~40℃
Power cable	H05RN-F 2X1.0mm² L=0.5m H05RN-F 3X0.75mm² L=0.5m
Mounting sleeve	PVC

Art. Code	Power	CRI	Lens degree (θ1/2)	Input voltage(V)	Typical operating current(mA)	Typical consumption(w)	Typical luminance (lm)	IK rate
1048	24xSMD	≥80	120 °	24VDC	24V=11.6	24V=2.8	Cool white=80 Warm white=68	10
1049				120/240	120V=24	120V=3.0		
					240V=12.6	240V=3.0		



Lux distance Curve

Center Beam LUX	Beam Width V	Beam Width H
3m 0.33 LUX	4.2m	1.4m
4m 0.08 LUX	8.3m	2.7m
6m 0.04 LUX	12.5m	4.1m
8m 0.02 LUX	16.7m	5.5m
10m 0.01 LUX	20.9m	6.8m
12m 0.01 LUX	25.0m	8.2m

Vert.Spread:92.5 Horiz.Spread:37.8

Recessed LED Stair Light and Wall Light



1050/1051



1052/1053



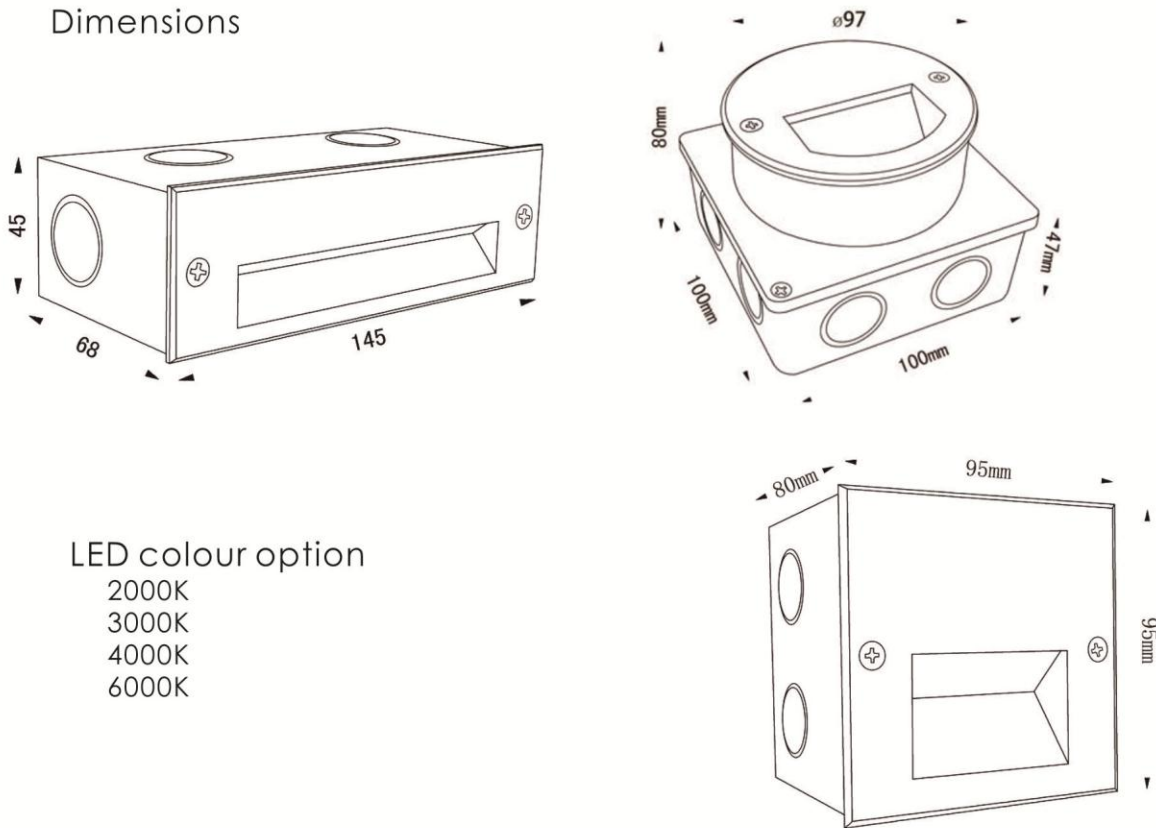
1054/1055



Recessed LED Stair Light and Wall Light



Dimensions



LED colour option

- 2000K
- 3000K
- 4000K
- 6000K

Material specifications

Housing	12# Die-casting grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
Front cover	12# Die-casting aluminum PT877U liquid coated , T=20-30µm Adhesion of ISO class 1/ASTM class 4B
Cable gland	IP-67 copper and nickel coated
Gasket	Molding shaped silicone seal
LED	<b>SMD3528</b> type power LED
Driver	Constant voltage output,Constant current output
Operating temperature	-20℃~40℃
Power cable	H05RN-F 2X1.0mm² L=0.5m H05RN-F 3X0.75mm² L=0.5m
Mounting sleeve	PVC

Art. Code	Power	CRI	Lens degree (θ1/2)	Input voltage(V)	Typical operating current(mA)	Typical consumption(w)	Typical luminance (lm)	IK rate
1050 1051	12xSMD	≥80	120 °	24VDC 120/240	24V=58 120V=15 240V=7.5	24V=1.4 120V=1.8 240V=1.8	Cool white=66 Warm white=53	10
1052 1053	12xSMD	≥80	120 °	24VDC 120/240	24V=58 120V=15 240V=7.5	24V=1.4 120V=1.8 240V=1.8	Cool white=66 Warm white=53	10
1054 1055	12xSMD	≥80	120 °	24VDC 120/240	24V=58 120V=15 240V=7.5	24V=1.4 120V=1.8 240V=1.8	Cool white=66 Warm white=53	10