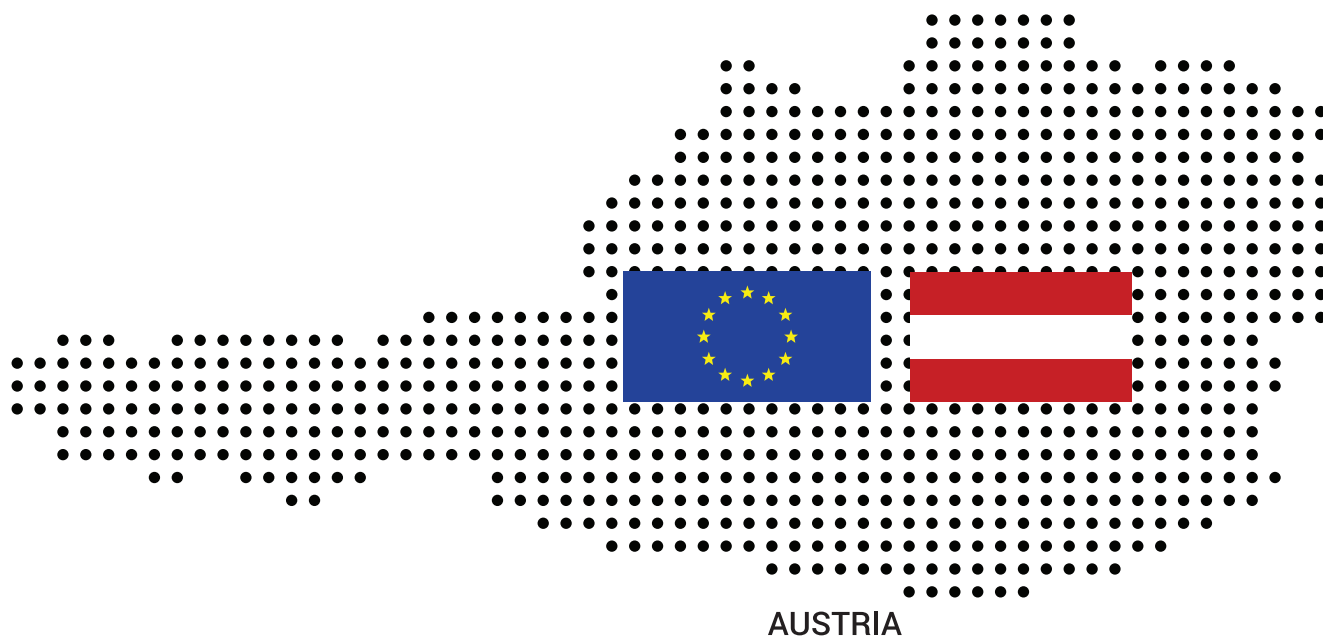


# DELUXE LIGHTING



**Manufactured in Austria  
and China with *TRIDONIC Technology***







# 11-Up Light & Spike

## 124 Pages

# UP LIGHTS SPIKE 11



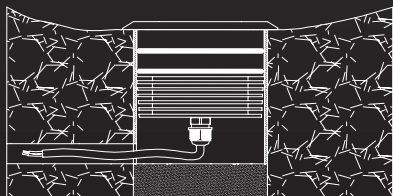


# Inground Lights Installation Warning !

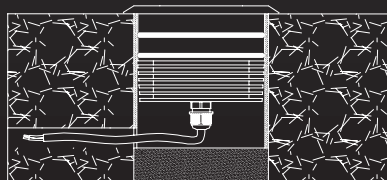
Please don't seal the bottom of the fixture by concrete so that the water is able to follow away from the earth when raining !  
Please also provide proper drainage (sand,gravel) for sleeve so that fixtures will not be immersed in water.



Do not locate fixtures in low areas where water will collect.



**NO**

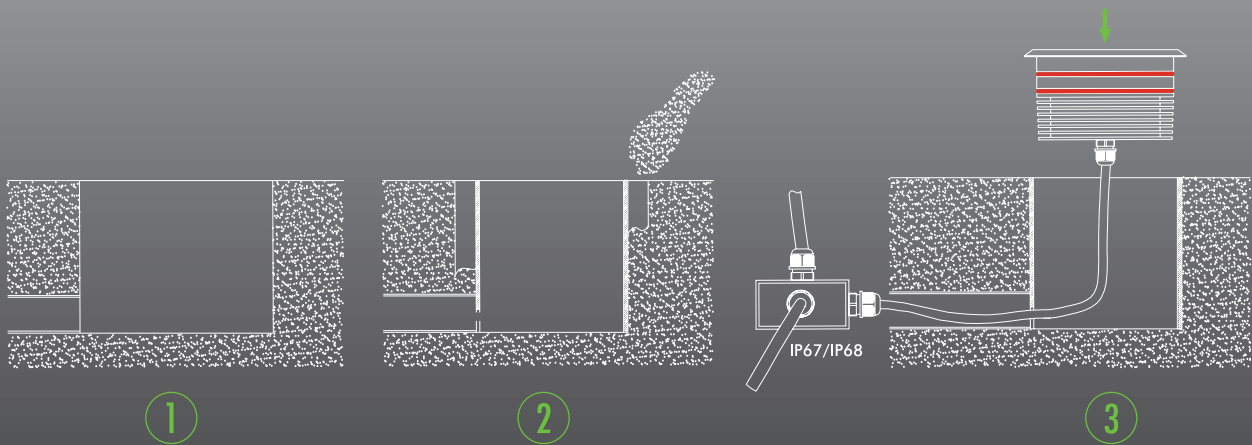


**OK**

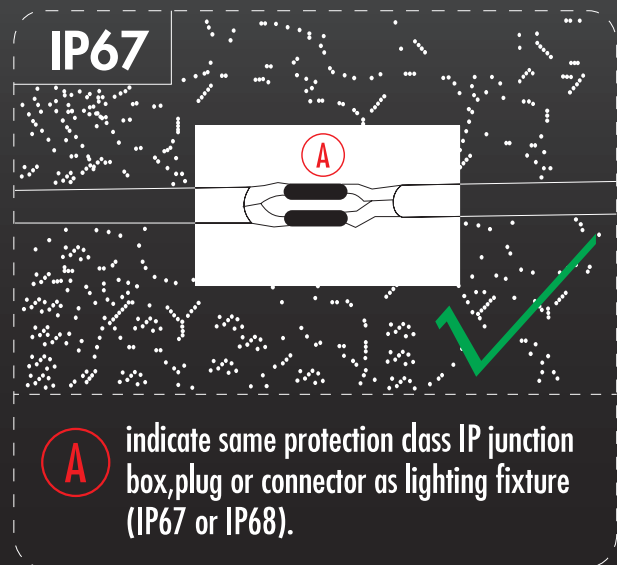
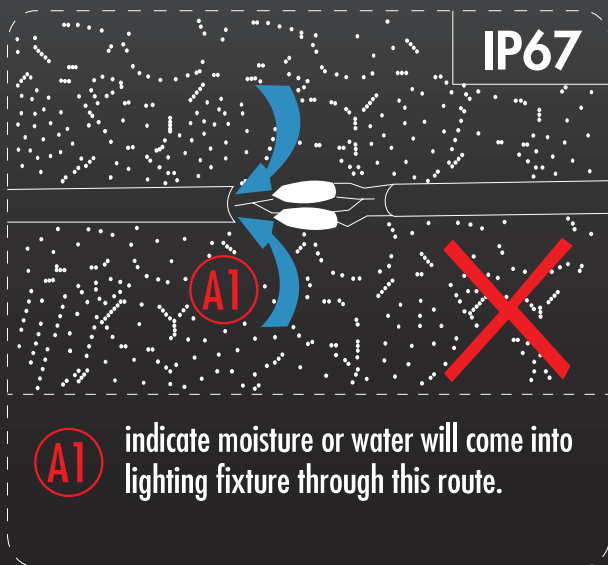


**OK**

# Inground Lights Installation Drawing



Please use the IP67 or IP68 waterproof connector or junction box for the connecting !











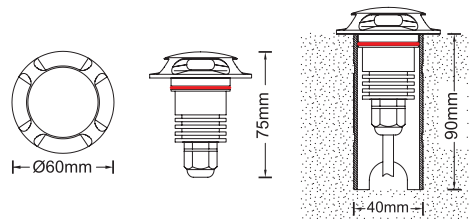


IP67 IK10

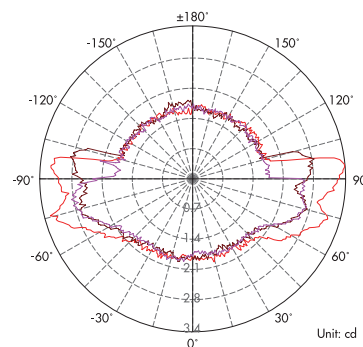
### Parameter

General Data	
Item No.	DU-1006-0300-B(4)
Power	3 Watts
LED type	1 PC 3W CREE XPE LED
Luminous flux	95~100 lm
CCT	2700K, 3000K, 4000K, 6000K, R/G/Y/B
CRI	80+
Beam angle	4x80°
Dimension	60x75 (mm) Diameter x Height
Cut out	40 mm
Net weight	0.322 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC12V~DC24V
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Low voltage constant current output, excluding the transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK10
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey
Trim	Stainless steel 316
Glass	Step tempered Glass. T=4mm.
Loading capacity	≤2000kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Mounting Sleeve	Passivated (Anodizing) Aluminum CNC machined. Dark grey

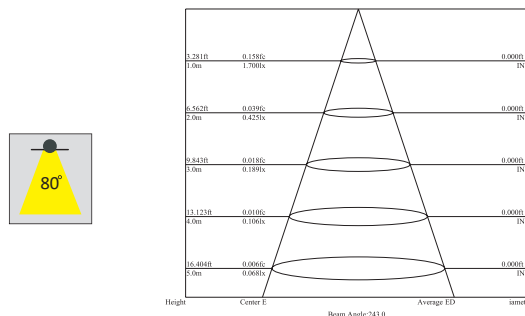
### Dimension



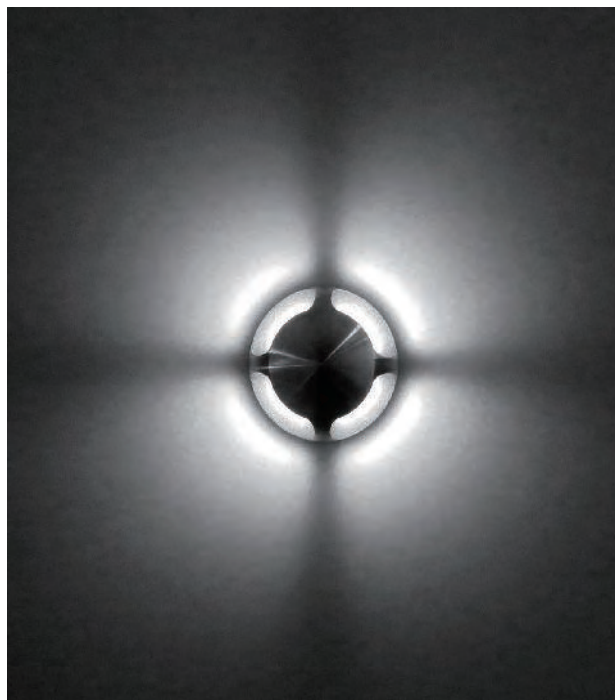
### Light Distribution Curve (3000K, 4x80°)



### Lux distance Curve (3000K, 4x80°)



### Illumination Picture (4x80°)







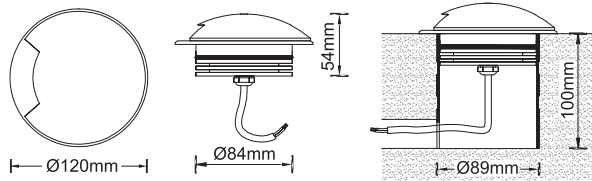
IP67 IK10

### Parameter

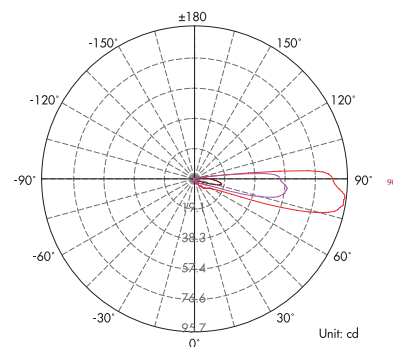
General Data	
Item No.	DC24V version: DU-D001-0200-B AC100-265V version: DU-D001-0200-BH
Power	2 Watts +10%
LED type	1 PC 2W OSAM 3030 SMD LED
Luminous flux	43lm +10%
CCT	2700K, 3000K, 4000K, 6000K, R/G/Y/B
CRI	80+
Beam angle	1x 20°*25°
Dimension	DC version Ø120x54 (mm) Diameter x length / AC version: Ø120 x 85 (mm) Diameter x length
Cut out	89 mm
Net weight	1.2 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC24V (optional: AC100-265V)
Insulation class	Class III / Class I
Cable	1PC rubber cable 1M H05RN-F 2 or 3x1mm square
Driver	Low voltage input constant current output for COB LED (High voltage item optional)
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK10
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey
Trim	Stainless steel 316
Glass	/
Loading capacity	2000 kgs
Cable Gland	PG gland
Gasket	O-ring PMQ silicone seal
Accessories	
Mounting Sleeve	Passivated (Anodizing) Aluminum CNC machined. Dark grey



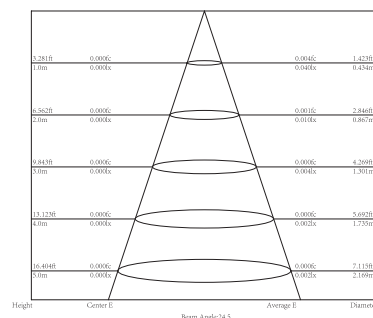
### Dimension



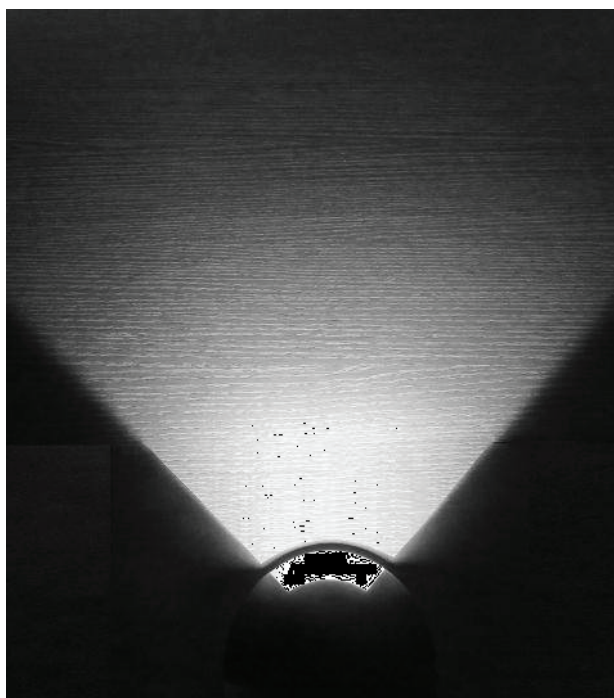
### Light Distribution Curve (3000K, 1x 20°\*25° )



### Lux distance Curve (3000K, 1x 20°\*25° )



### Illumination Picture (1x 20°\*25° )





IP67 IK10

### Parameter

#### General Data

Item No.	DC24V version: DU-D002-0400-B AC100-264V version: DU-D002-0400-BH
Power	4 Watts +-10%
LED type	2 PCS 2W OSAM 3030 SMD LED
Luminous flux	85lm +-10%
CCT	2700K, 3000K, 4000K, 6000K, R/G/Y/B
CRI	80+
Beam angle	2x 20°*25°

Dimension DC version Ø120x54 (mm) Diameter x length  
/ AC version: Ø120 x 85 (mm) Diameter x length

Cut out 89 mm

Net weight 1.1 kgs

Warranty 3 years

Certifications CE, RoHS

#### Electrical Data

Input voltage DC24V (optional: AC100-265V)

Insulation class Class III / Class I

Cable 1PC rubber cable 1M H05RN-F 2 or 3x1mm square

Driver Low voltage input constant current output for COB LED (High voltage item optional)

#### Construction Data

IP rating IP67 Waterproof

IK rating IK10

Housing Solid Passivated (Anodizing) Aluminum CNC machined

Protection finishing 20~25µm thickness anodized film for housing. Dark grey

Trim Stainless steel 316

Glass /

Loading capacity 2000 kgs

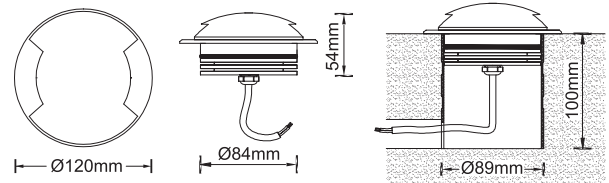
Cable Gland PG gland

Gasket O-ring PMQ silicone seal

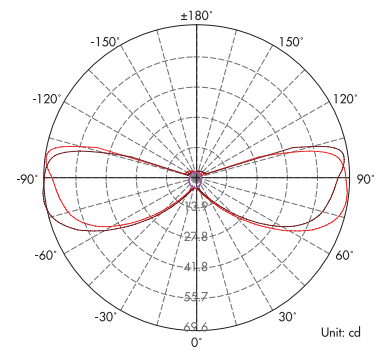
#### Accessories

Mounting Sleeve Passivated (Anodizing) Aluminum CNC machined. Dark grey

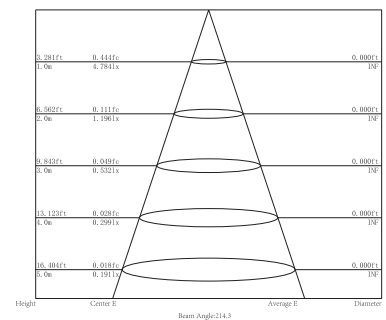
### Dimension



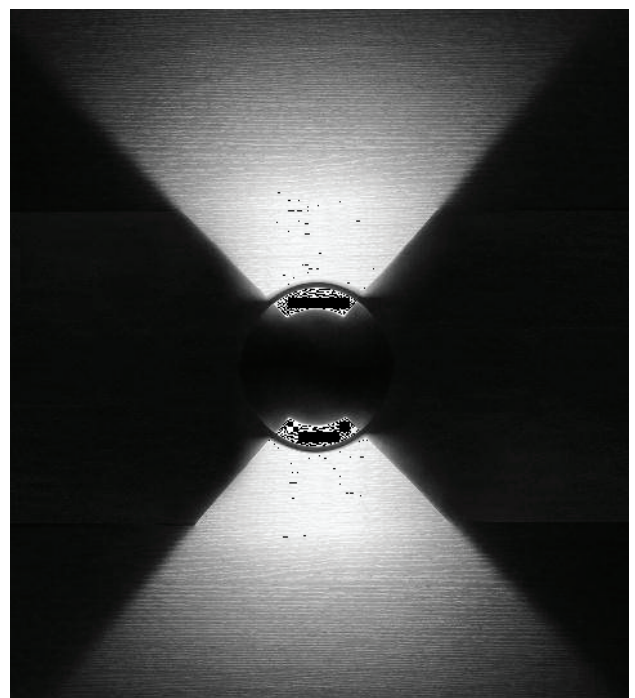
Light Distribution Curve (3000K, 2x 20°\*25° )



Lux distance Curve (3000K, 2x 20°\*25° )



Illumination Picture ( 2x 20°\*25° )





### IP67 IK10

#### Parameter

##### General Data

Item No.	DC24V version: DU-D004-0800-B AC100-264V version: DU-D004-0800-BH
Power	8 Watts +10%
LED type	4 PCS 2W OSAM 3030 SMD LED
Luminous flux	213lm +10%
CCT	2700K, 3000K, 4000K, 6000K, R/G/Y/B
CRI	80+
Beam angle	4x 20°*25°

Dimension  
DC version Ø120x54 (mm) Diameter x length  
/ AC version: Ø120 x 85 (mm) Diameter x length

Cut out  
89 mm

Net weight  
1 kgs

Warranty  
3 years

Certifications  
CE, RoHS

##### Electrical Data

Input voltage  
DC24V (optional: AC100-265V)

Insulation class  
Class III / Class I

Cable  
1PC rubber cable 1M H05RN-F 2 or 3x1mm square

Driver  
Low voltage input constant current output for COB LED (High voltage item optional)

##### Construction Data

IP rating  
IP67 Waterproof

IK rating  
IK10

Housing  
Solid Passivated (Anodizing) Aluminum CNC machined

Protection finishing  
20~25µm thickness anodized film for housing. Dark grey

Trim  
Stainless steel 316

Glass  
/

Loading capacity  
2000 kgs

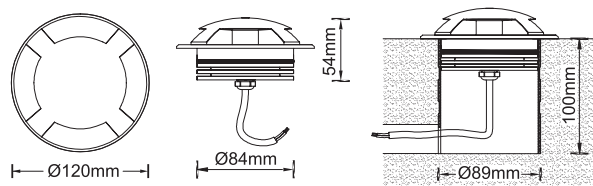
Cable Gland  
PG gland

Gasket  
O-ring PMQ silicone seal

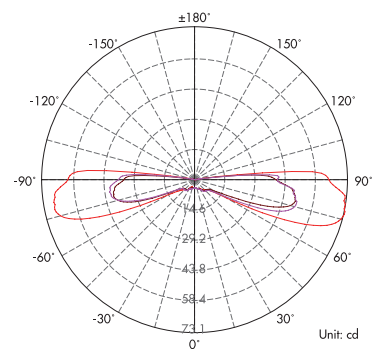
##### Accessories

Mounting Sleeve  
Passivated (Anodizing) Aluminum CNC machined. Dark grey

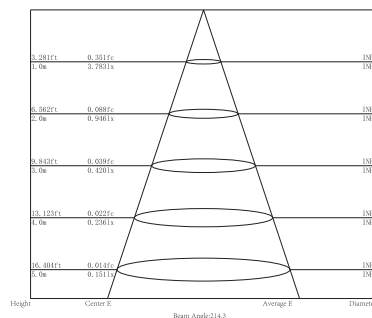
#### Dimension



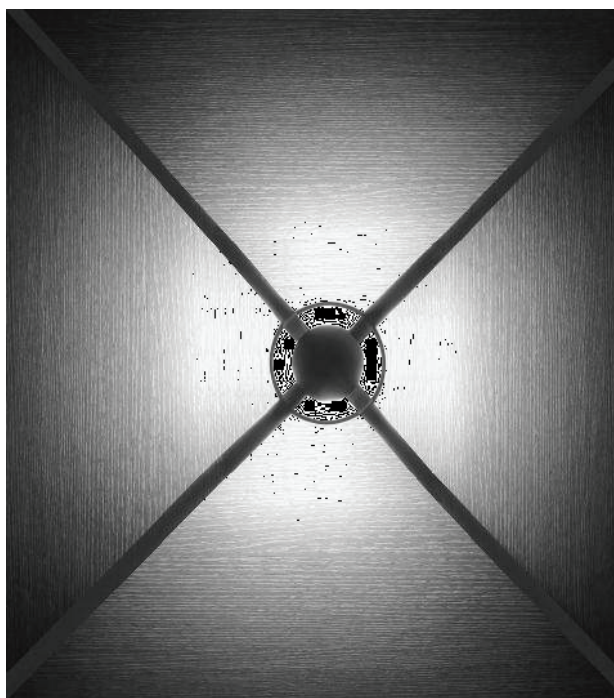
#### Light Distribution Curve (3000K, 4x 20°\*25°)



#### Lux distance Curve (3000K, 4x 20°\*25°)



#### Illumination Picture (4x 20°\*25°)





### IP67 IK06

#### Parameter

##### General Data

Item No.	DU-1002-0300-A
Power	3 Watts
LED type	1 PC 3W CREE XPE LED
Luminous flux	95~100 lm
CCT	2700K, 3000K, 4000K, 6000K, R/G/Y/B
CRI	80+
Beam angle	120°
Dimension	40x53 (mm) Diameter x Height
Cut out	38 mm
Net weight	0.209 kgs
Warranty	3 years
Certifications	CE, RoHS

##### Electrical Data

Input voltage	DC12V~DC24V
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Low voltage constant current output, excluding the transformer

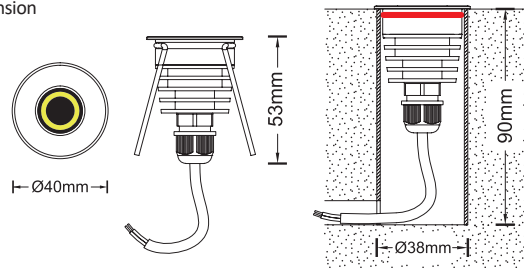
##### Construction Data

IP rating	IP67 Waterproof
IK rating	IK06
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey
Trim	Stainless steel 316
Glass	Step tempered Glass. T=4mm.
Loading capacity	320kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal

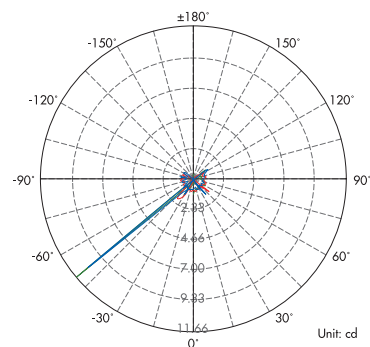
##### Accessories

Mounting Sleeve	Passivated (Anodizing) Aluminum CNC machined. Dark grey
Clip	With Aluminium spring that's for deck lights or ceiling lights application

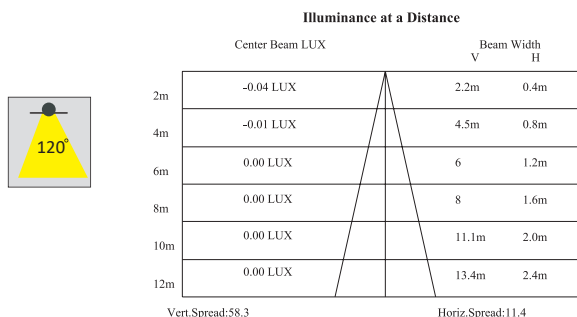
#### Dimension



#### Light Distribution Curve (3000K, 120°)



#### Lux distance Curve (3000K, 120°)



#### Illumination Picture (120°)







Personally customized !

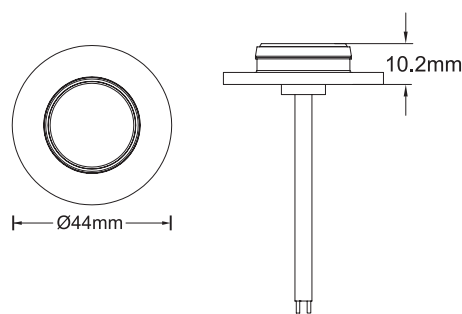
### IP67 IK06

#### Parameter

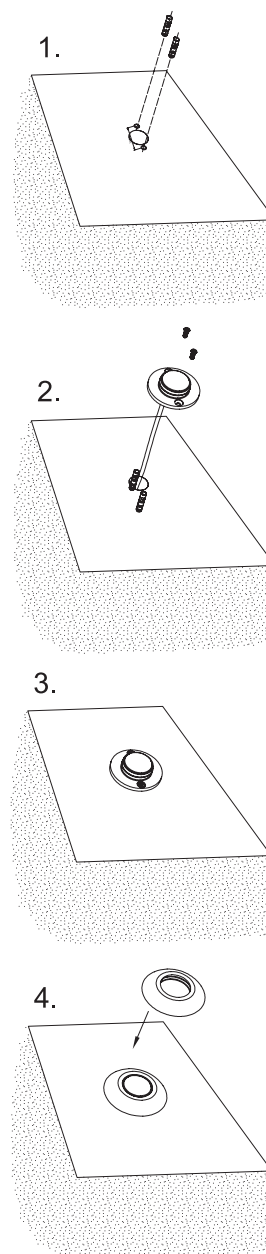
#### Compatible with ten kinds of covers!

Item No.	DU-1014-0200-C
Power	1.2 Watts
LED type	1PC 1W OSRAM LED
Luminous flux	80~85 lm
CCT	2700K, 3000K, 4000K, 6000K, R,G,B
CRI	80+
Beam angle	120°
Dimension	40x10.2 (mm) Diameter x Height
Cut out	/
Net weight	0.073kgs
Warranty	3 years
Certifications	CE, RoHS
<b>Electrical Data</b>	
Input voltage	DC12V /DC24V
Insulation class	Class III
Cable	1PC PVC cable 0.3M 2x0.34 mm square
Driver	Low voltage constant current output, excluding the transformer
<b>Construction Data</b>	
IP rating	IP67 Waterproof
IK rating	IK06
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey or grey
Trim	Ten kinds of covers as options (in the next four pages)
Glass	Without glass, but with PMMA diffuser
Loading capacity	320 kgs
Cable Gland	Aluminium part IP67
Gasket	O-ring PMQ silicone seal
<b>Accessories</b>	
Mounting Sleeve	Without sleeve, but with screws for easy surface mounting.

#### Dimension

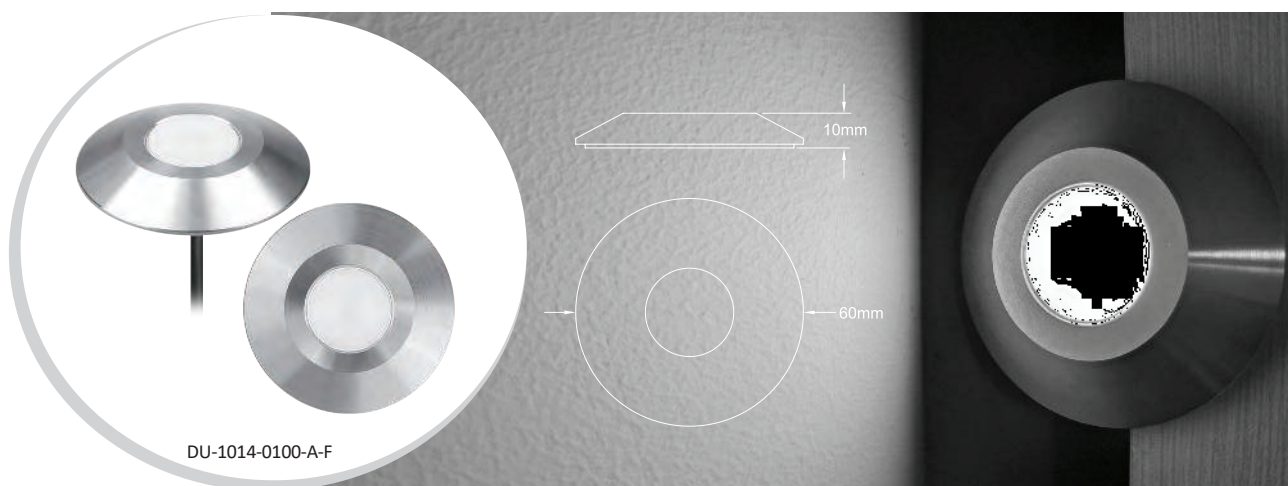
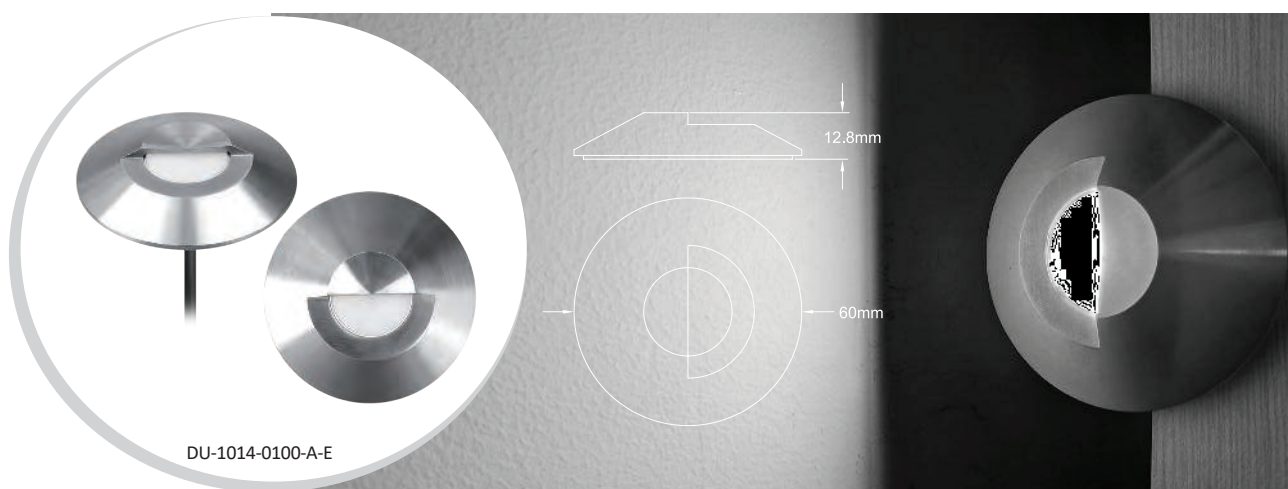
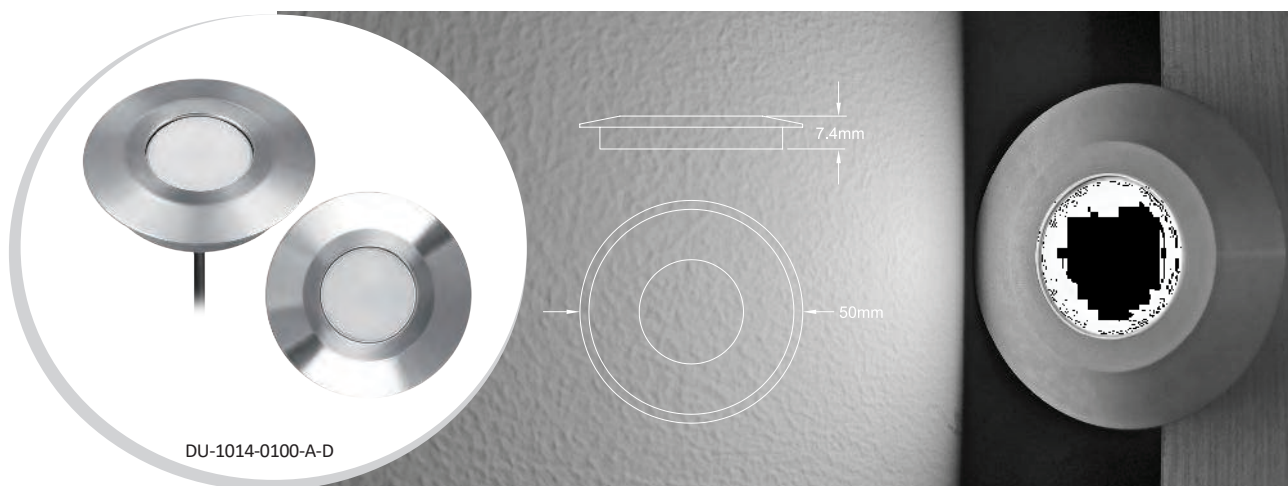


Installation drawing for the lamp body item DU-1014 and the ten kinds cover in the next four pictures.



## Up Lights Spike

### Stainless Steel 316 Covers Parts for DU-1014

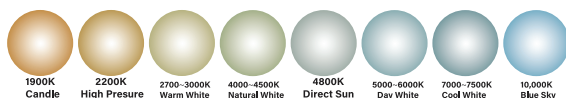


#### General Data

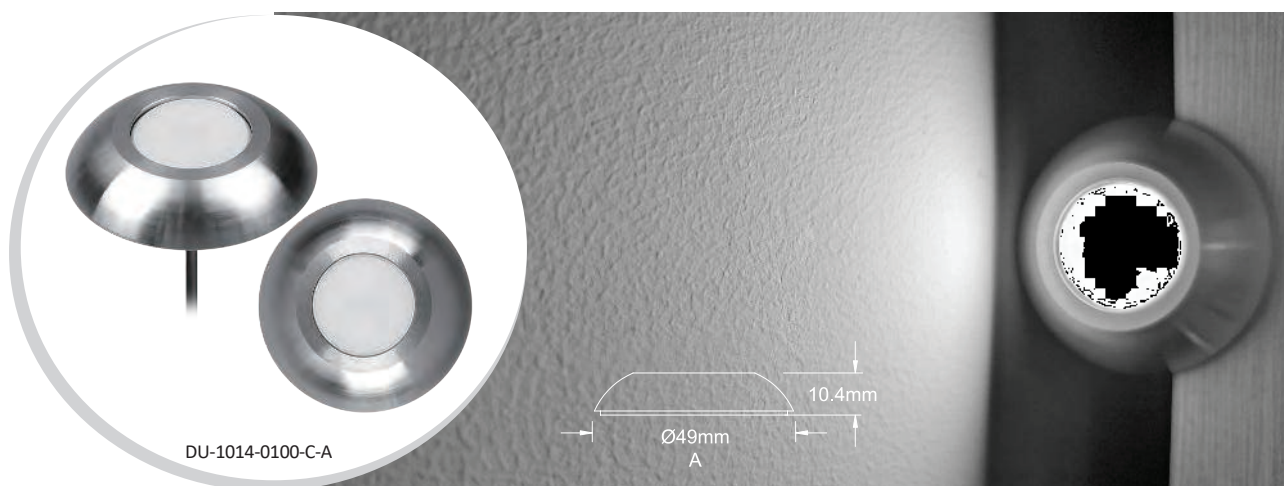
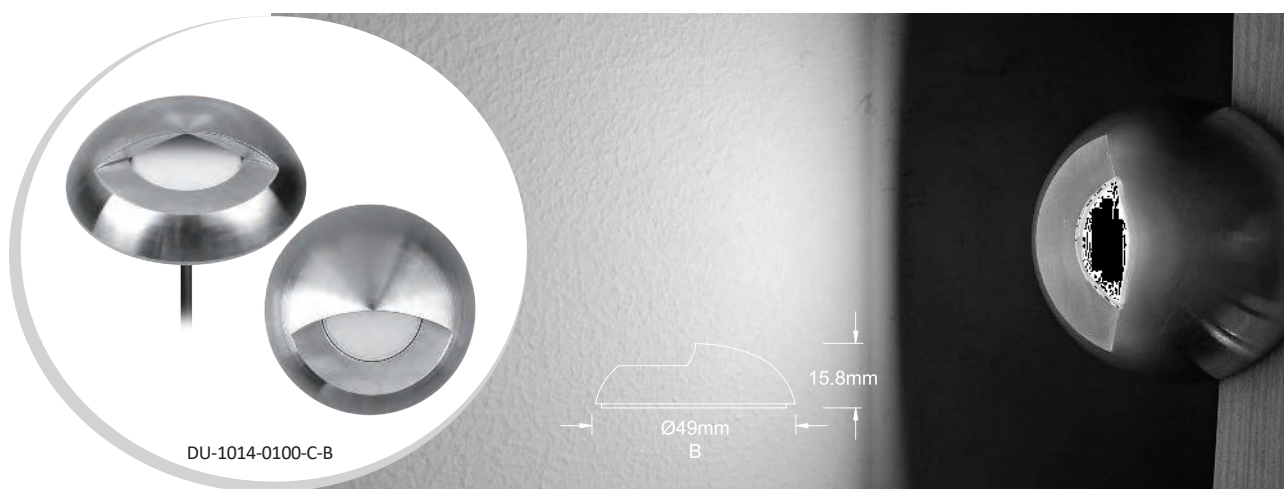
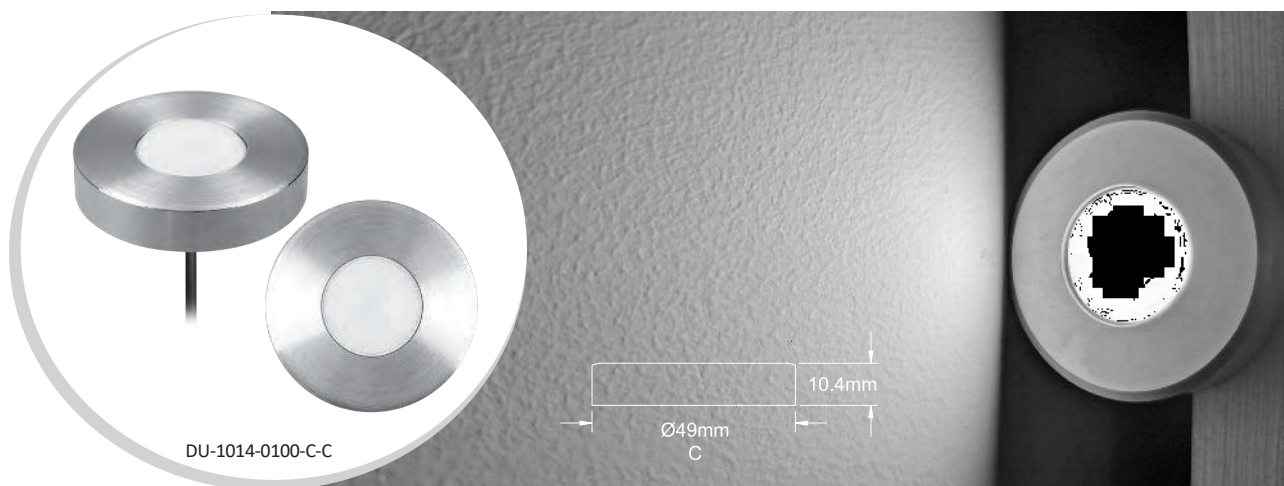
Item No.	DU-1014-0100-A-D	DU-1014-0100-A-E	DU-1014-0100-A-F
Material	Flat stainless steel 316	Step stainless steel 316	Cone stainless steel 316
Dimension	50x7.4 (mm) Diameter x Height	60x12.8 (mm) Diameter x Height	60x10 (mm) Diameter x Height
Net weight	52 g	99 g	96 g



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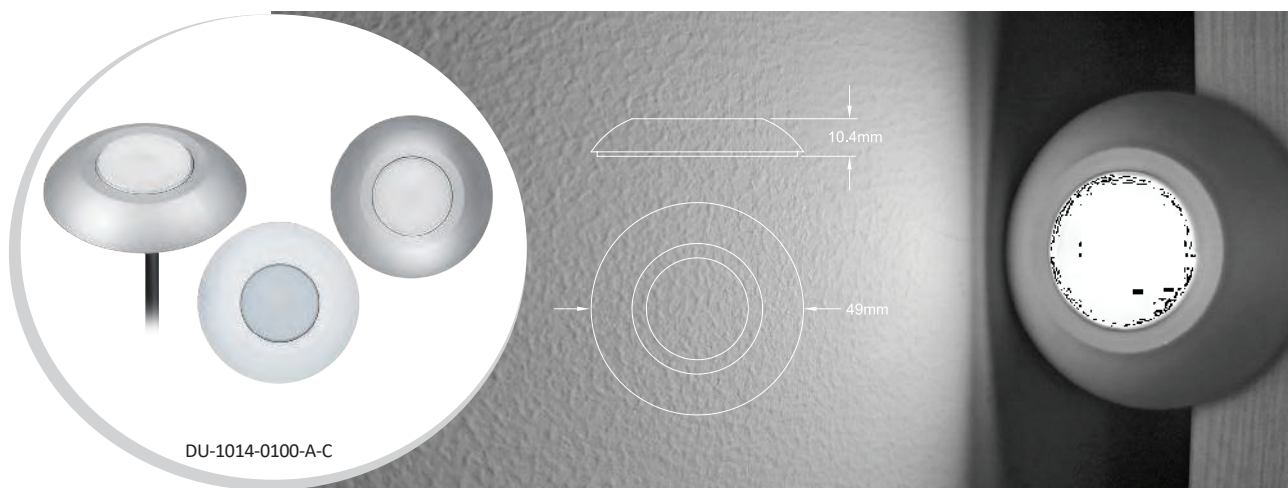
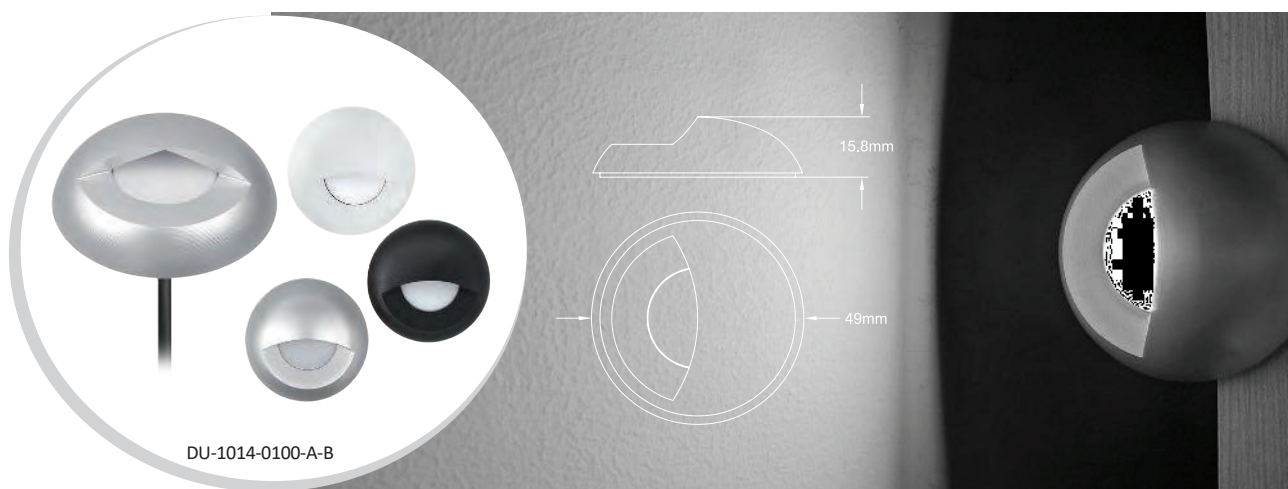
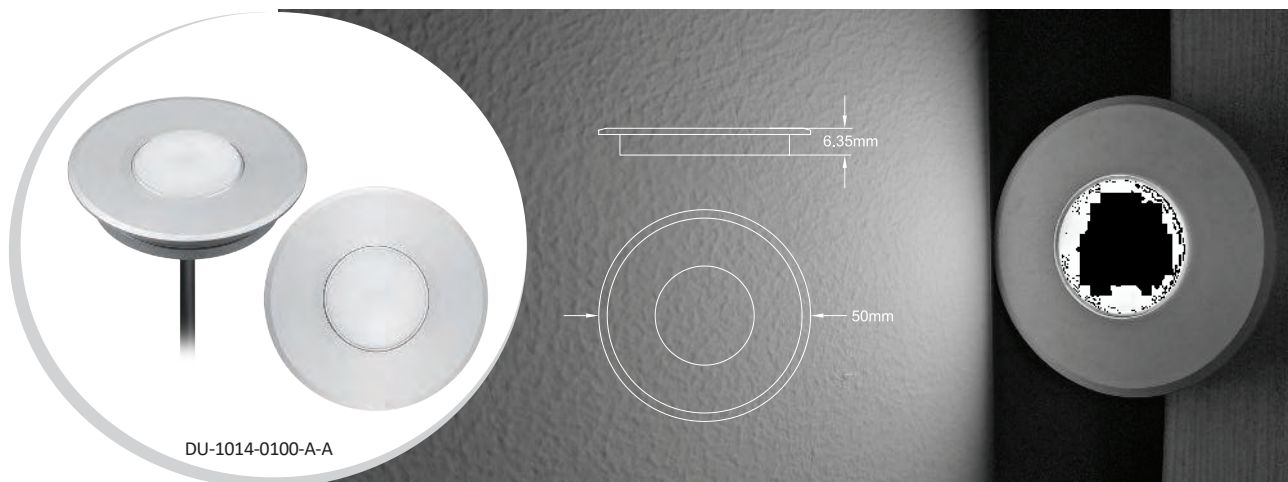
General Data			
Item No.	DU-1014-0100-C-C	DU-1014-0100-C-B	DU-1014-0100-C-A
Material	Flush stainless steel 316 cover	Eyelid stainless steel 316 6063 cover	Dome stainless steel 316 6063 cover
Dimension	49 x 10.4 (mm) Diameter x Height	49 x 15.8 (mm) Diameter x Height	49x 10.4 (mm) Diameter x Height
Net weight	83 g	78 g	56 g





## Up Lights Spike

Passivated (Anodizing) Aluminium Covers Parts for DU-1014

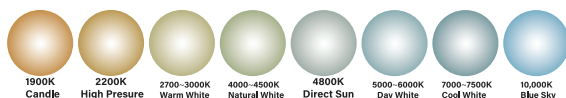


### General Data

Item No.	DU-1014-0100-A-A	DU-1014-0100-A-B	DU-1014-0100-A-C
Material	Flush anodized aluminium 6063	Eyelid anodized aluminium 6063	Dome anodized aluminium 6063
Dimension	50x6.35 (mm) Diameter x Height	49x15.8 (mm) Diameter x Height	49x10.4 (mm) Diameter x Height
Net weight	16 g	24 g	17 g

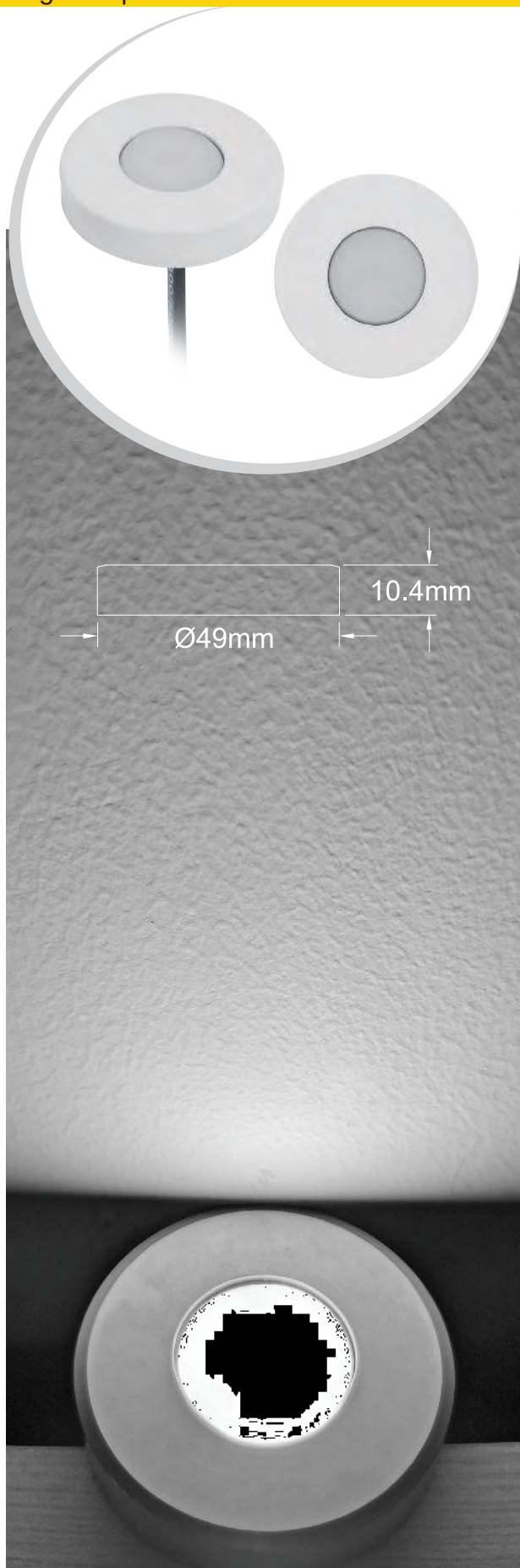


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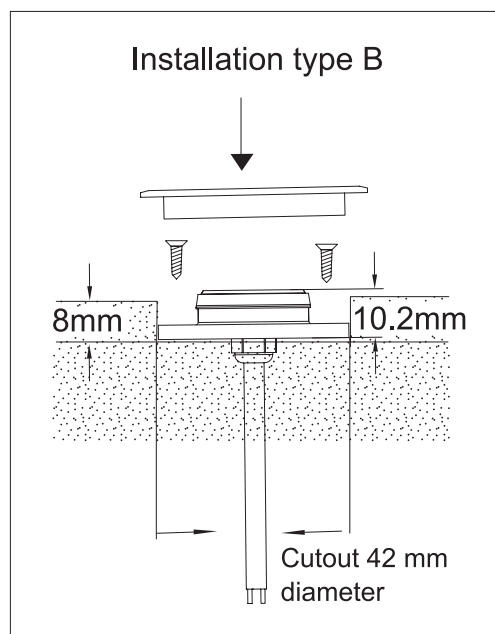
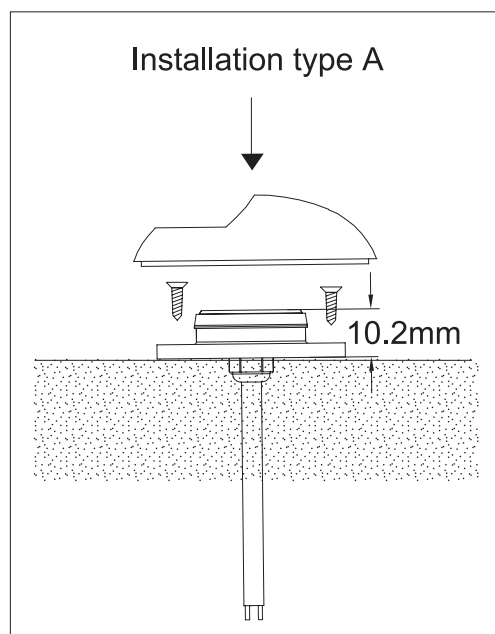




### Parameter

General Data	
Item No.	DU-1014-0100-A-G
Material	Flush anodized aluminium 6063 cover in silver color or powder painted in white color or black color
Dimension	49 x 10.4 (mm) Diameter x Height

### Installation for the covers



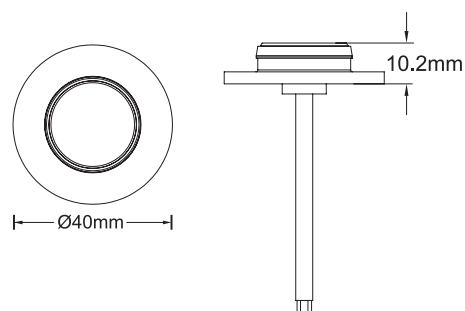


IP67 IK06

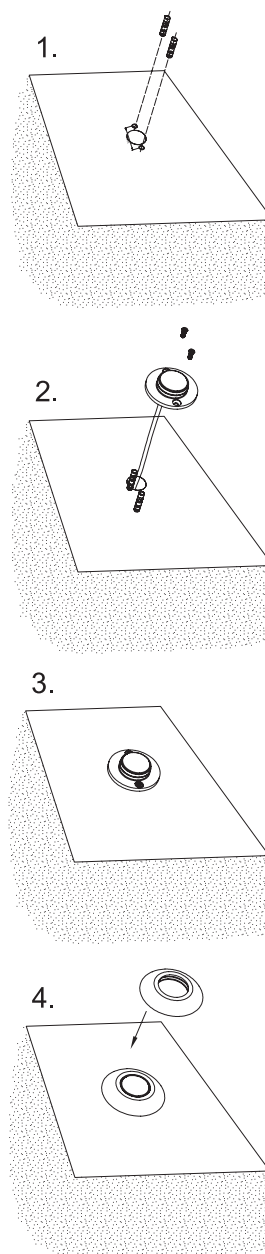
### Parameter

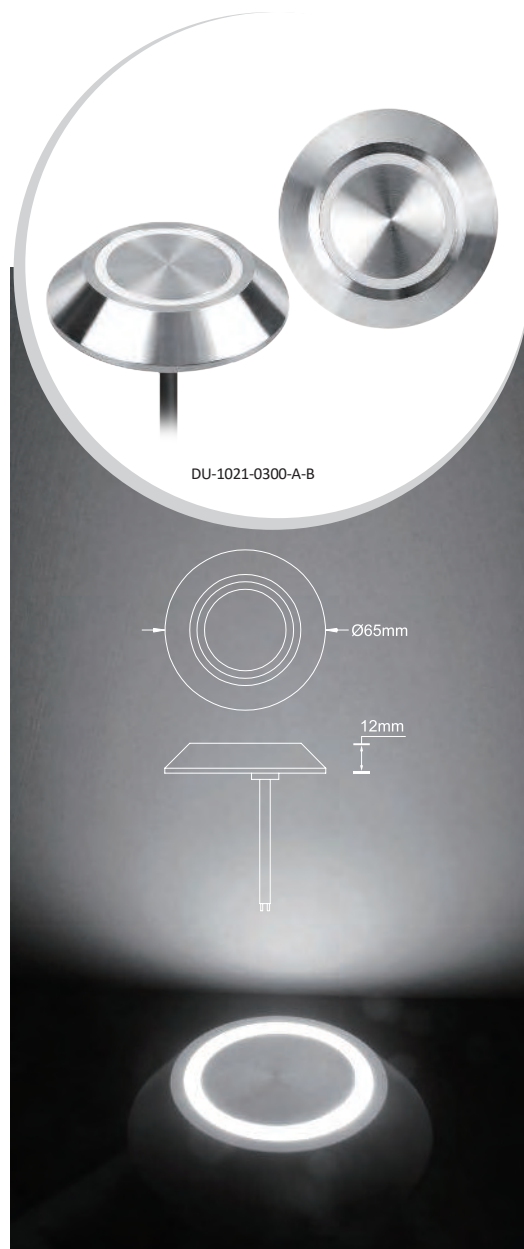
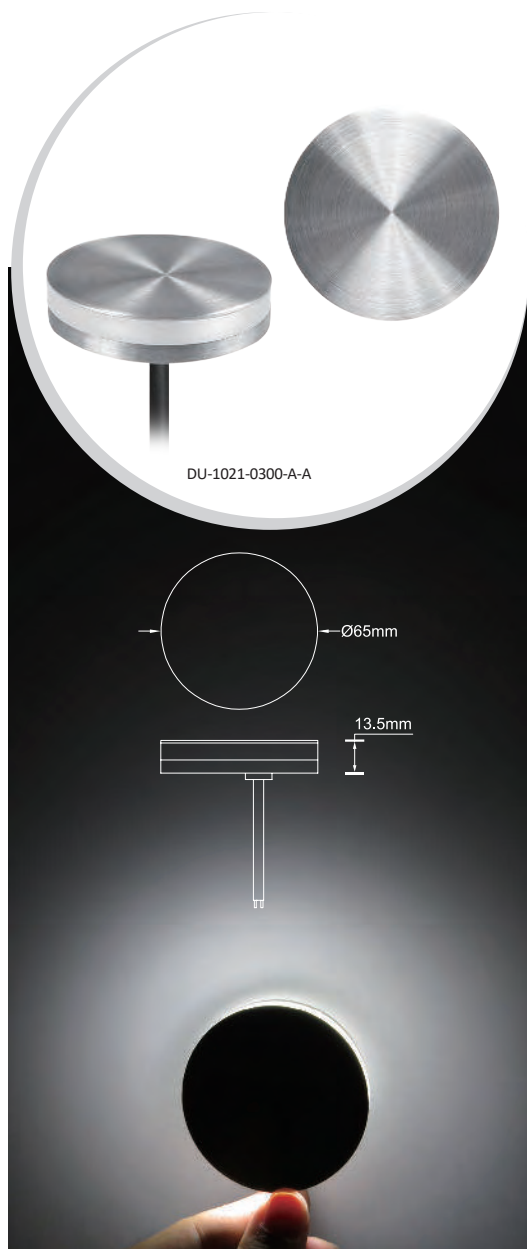
General Data	
Item No.	DU-1014-0200 (RGB)-B
Power	1.2 Watts
LED type	1 PC 3in1 RGB Epistar LED
Luminous flux	60 lm (all LEDs on)
CCT	RGB
CRI	70+
Beam angle	120°
Dimension	40x10.2 (mm) Diameter x Height
Cut out	/
Net weight	0.12 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC12V/DC24V
Insulation class	Class III
Cable	1PC 0.3M PVC cable 4 x0.3mm square
Driver	Low voltage constant current output, excluding the transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK06
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey or grey
Trim	Nine kinds of covers as options (in the before two pages)
Glass	/
Loading capacity	320 kgs
Cable Gland	Aluminium part IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Mounting Sleeve	Without sleeve, but with screws for easy surface mounting.

### Dimension



Installation Drawing (It's compatible with the six kinds of cover in the before two pages!)



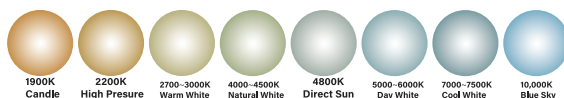


### General Data

Item No.	DU-1021-0300-A-A	DU-1021-0300-A-B
Material	Stainless steel 316+PMMA	Stainless steel 316+PMMA
Dimension	65 x 13.5 (mm) Diameter x Height	65x 12 (mm) Diameter x Height
Net weight	63g	83g



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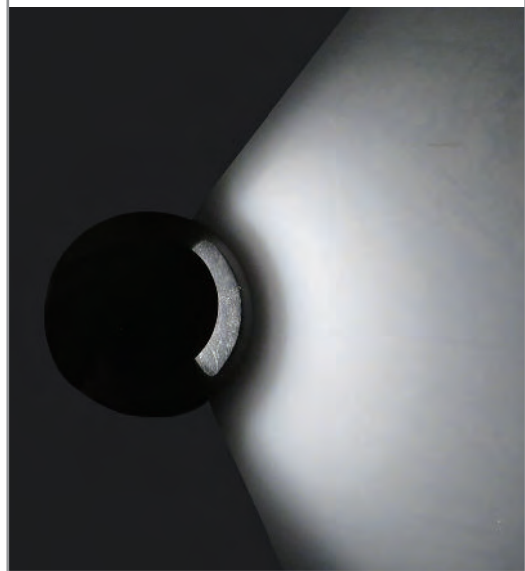
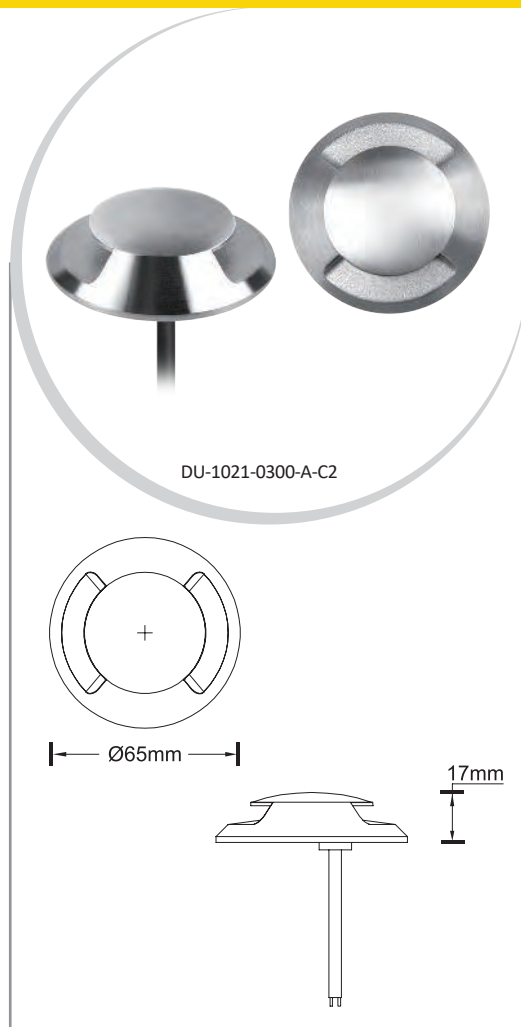
LED Chips - **PHILIPS** **CITIZEN**  
**BRIDGELUX** **CREE** **SHARP** **SAMSUNG**





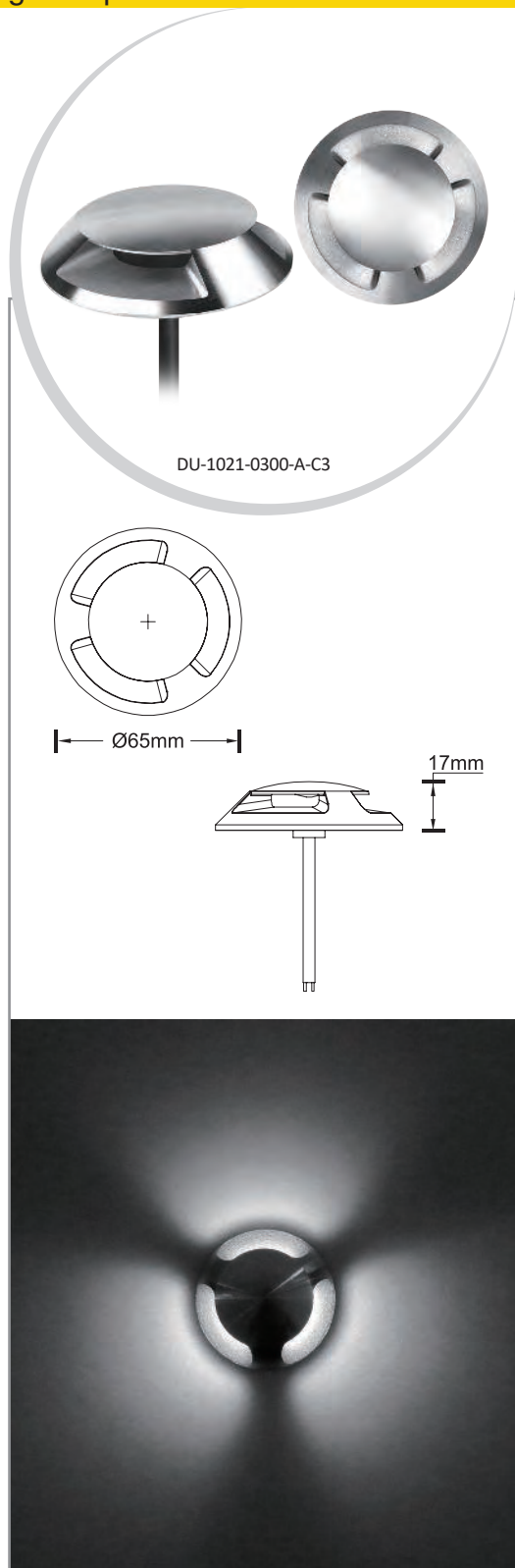




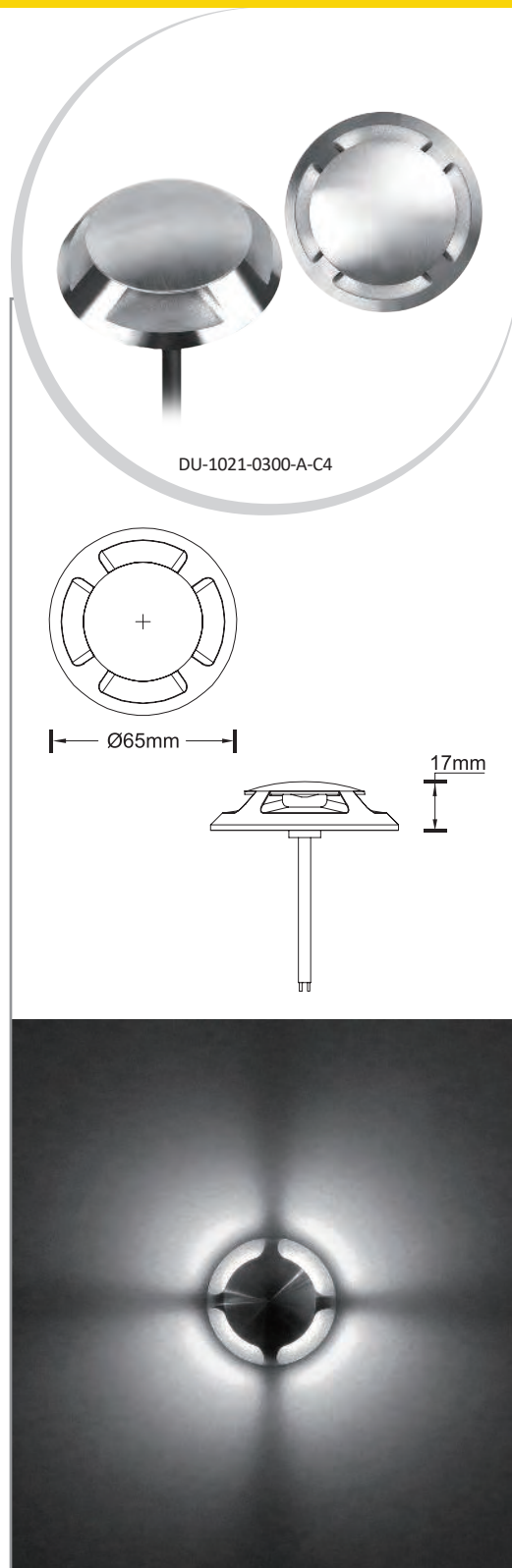


### General Data

Item No.	DU-1021-0300-A-C1	DU-1021-0300-A-C2
Material	Stainless steel 316+PMMA	Stainless steel 316+PMMA
Dimension	65 x 17 (mm) Diameter x Height	65x 17(mm) Diameter x Height
Net weight	118g	109g



DU-1021-0300-A-C3



DU-1021-0300-A-C4

### General Data

Item No.	DU-1021-0300-A-C3	DU-1021-0300-A-C4
Material	Stainless steel 316+PMMA	Stainless steel 316+PMMA
Dimension	65 x 17 (mm) Diameter x Height	65x 17(mm) Diameter x Height
Net weight	110g	107g









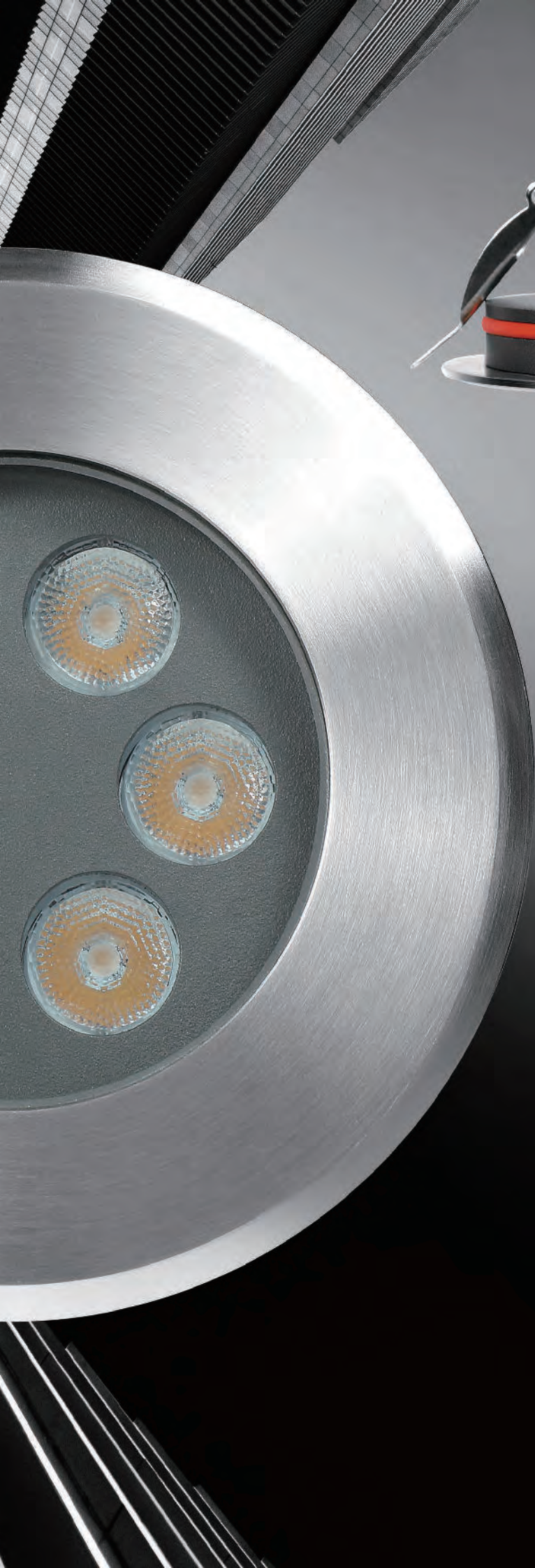


# INGROUND LIGHTS SERIES

## 1.2 SMD LED GROUND SPOT SERIES









IP67 IK06

### Parameter

#### General Data

Item No.	DU-1007-0100-B
Power	1.4 Watts
LED type	1 PC CREE XPE LED
Luminous flux	75-80 lm
CCT	2700, 3000K, 4000K, 6000K, R/G/Y/B
CRI	80+
Beam angle	15°, 25°, 30°, 45°, 60°, 120°
Dimension	Ø28x46 (mm) Diameter x lHeight
Cut out	25mm with sleeve / 23mm with spring
Net weight	0.072 kgs
Warranty	3 years
Certifications	CE, RoHS

#### Electrical Data

Input voltage	DC12V~DC24V
Insulation class	Class III
Cable	1PC rubber cable 0.6M H05RN-F 2x0.75mm square
Driver	Low voltage constant current output, excluding the transformer

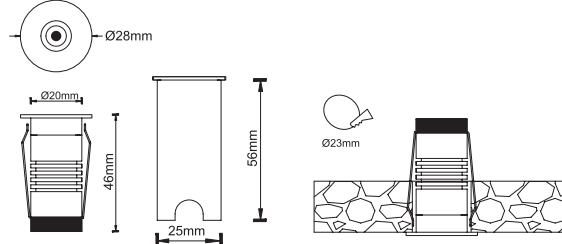
#### Construction Data

IP rating	IP67 Waterproof
IK rating	IK06
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey
Trim	Stainless steel 316
Glass	Step tempered Glass. T=2mm.
Loading capacity	100 kgs
Cable Gland	IP67
Gasket	O-ring PMQ silicone seal

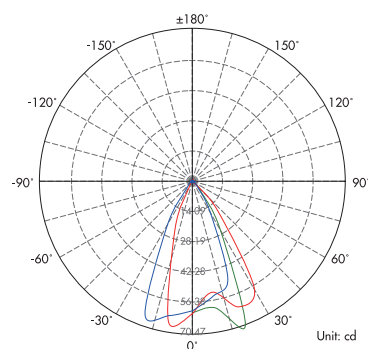
#### Accessories

Mounting Sleeve	Anti-corrosion grey PVC
Clip	With Aluminium spring that's for deck lights or ceiling lights application

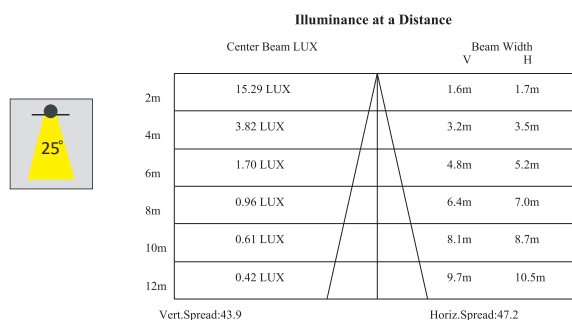
### Dimension



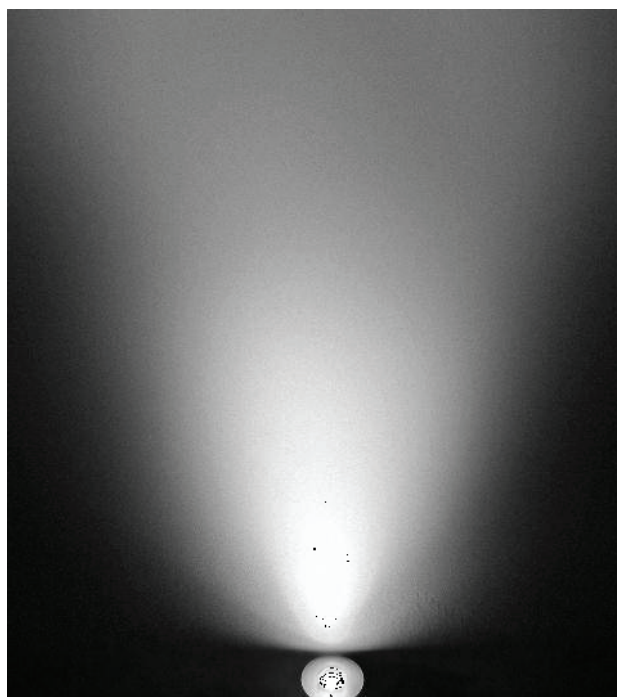
### Light Distribution Curve (3000K , 25° )



### Lux distance Curve (3000K , 25° )



### Illumination Picture (25°)



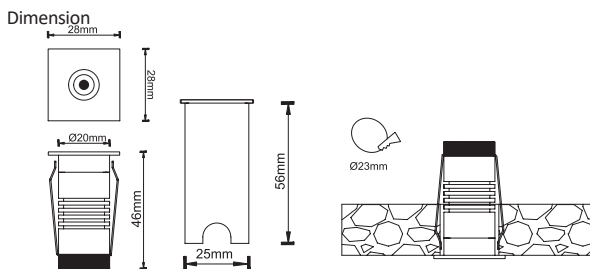




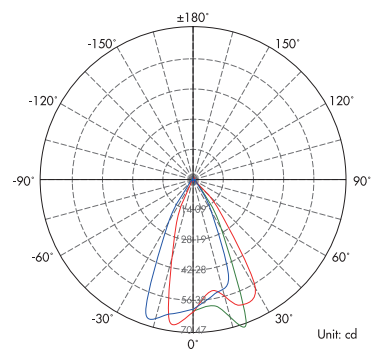
IP67 IK06

### Parameter

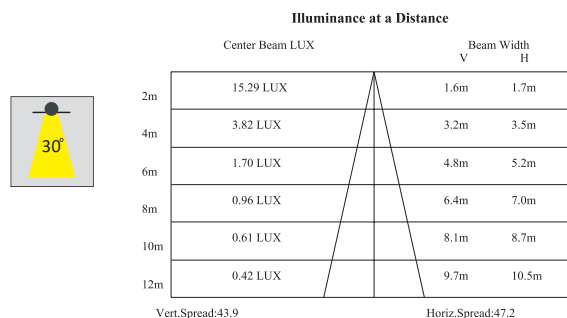
General Data	
Item No.	DU-1007-0100-B-S
Power	1.4 Watts
LED type	1 PC CREE XPE LED
Luminous flux	75-80 lm
CCT	2700K, 3000K, 4000K, 6000K, R/G/Y/B
CRI	80+
Beam angle	15°, 25°, 30°, 45°, 60°, 120°
Dimension	28x28x46 (mm) Length x Width x Height
Cut out	25mm with sleeve / 23mm with spring
Net weight	0.08 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC12V~DC24V
Insulation class	Class III
Cable	1PC rubber cable 0.6M H05RN-F 2x0.75mm square
Driver	Low voltage constant current output, excluding the transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK06
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey
Trim	Stainless steel 316
Glass	Step tempered Glass. T=2mm.
Loading capacity	100 kgs
Cable Gland	IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Mounting Sleeve	Anti-corrosion grey PVC
Clip	With Aluminium spring that's for deck lights or ceiling lights application



Light Distribution Curve (3000K , 1x30° )



Lux distance Curve (3000K , 1x30° )



Illumination Picture (1x30°)



## Up Lights Spike



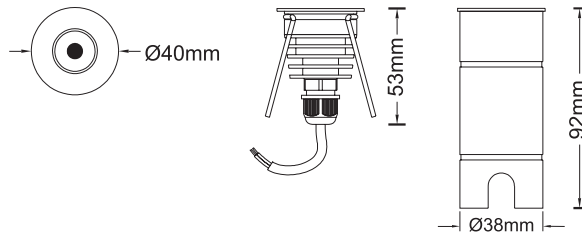
IP67 IK06

## Parameter

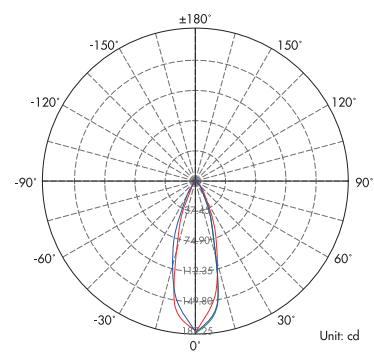
General Data	
Item No.	DU-1001-0300-B
Power	3 Watts
LED type	1 PC 3W CREE XPE LED
Luminous flux	110-130 lm
CCT	2700K, 3000K, 4000K, 6000K, R/G/Y/B
CRI	80+
Beam angle	10°, 15°, 30°, 45°, 60° or oval lens 10°*60°, 10°*30°
Dimension	Ø40x53 (mm) Diameter x length
Cut out	38 mm
Net weight	0.21 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC12V~DC24V
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Low voltage constant current output, excluding the transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK06
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey
Trim	Stainless steel 316 as standard, Polished chrome Aluminium as options
Glass	Step tempered Glass. T=4mm.
Loading capacity	320 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Mounting Sleeve	Passivated (Anodizing) Aluminum CNC machined. Dark grey
Clip	With Aluminium spring that's for deck lights or ceiling lights application



Dimension



Light Distribution Curve (3000K , 1x45° )



Lux distance Curve (1x45°)

### Illuminance at a Distance

	Center Beam LUX	Beam Width V H	
2m	46.14 LUX	1.2m	1.2m
4m	11.53 LUX	2.4m	2.5m
6m	5.13 LUX	3.6m	3.7m
8m	2.88 LUX	4.8m	4.9m
10m	1.85 LUX	6.0m	6.1m
12m	1.28 LUX	7.2m	7.4m

Vert.Spread:33.3 Horiz.Spread:34.1

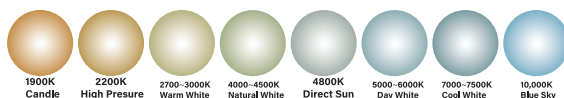
Vert.Spread:33.3

Horiz.Spread:34.1

Illumination Picture (1x45° )



LED Drivers - **PHILIPS** **GTI**  
**MW** **TCI** **TRIDONIC**  
MEAN WELL



LED Chips - PHILIPS CITIZEN  
BRIDGELUX, CREE SHARP SAMSUNG



IP67 IK06

### Parameter

#### General Data

Item No.	DU-1001-0300-B-S
Power	3 Watts
LED type	1pcs 3W CREE XPE LED
Luminous flux	110~130 lm
CCT	2700K, 3000K, 4000K, 6000K, R/G/Y/B
CRI	80+
Beam angle	10°, 15°, 30°, 45°, 60° or oval lens 10°*60°, 10°*30°
Dimension	Ø40x53 (mm) Diameter x length
Cut out	38 mm
Net weight	0.22 kgs
Warranty	3 years
Certifications	CE, RoHS

#### Electrical Data

Input voltage	DC12V~DC24V
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Low voltage constant current output, excluding the transformer

#### Construction Data

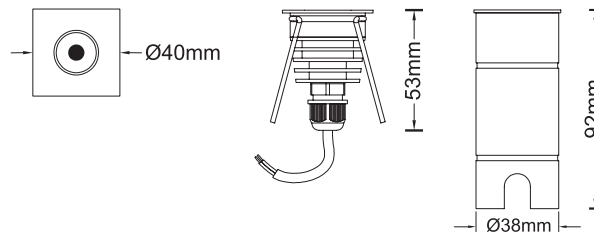
IP rating	IP67 Waterproof
IK rating	IK06
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey
Trim	Stainless steel 316
Glass	Step tempered Glass. T=4mm.
Loading capacity	320 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal

#### Accessories

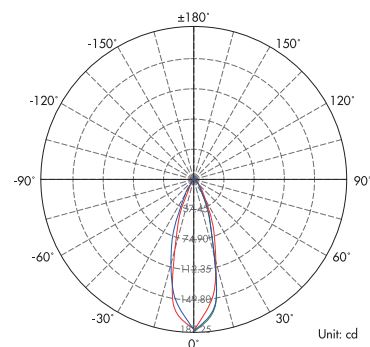
Mounting Sleeve	Passivated (Anodizing) Aluminum CNC machined. Dark grey
Clip	With Aluminium spring that's for deck lights or ceiling lights application



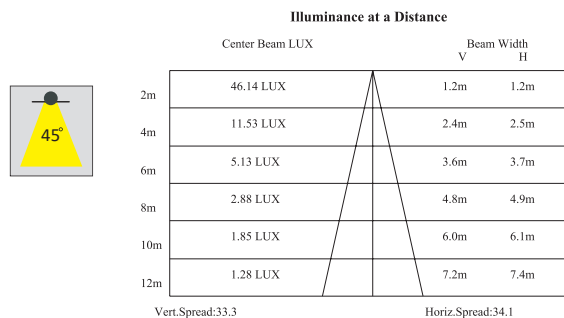
### Dimension



### Light Distribution Curve (3000K , 1x45° )



### Lux distance Curve (1x45° )



### Illumination Picture (1x45° )



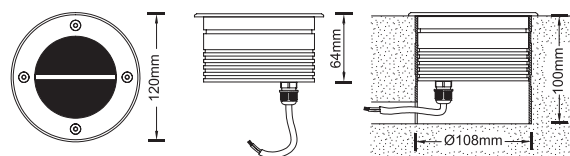


IP67 IK08

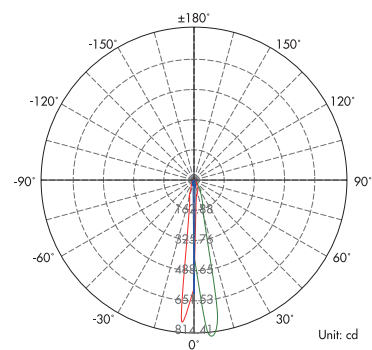
### Parameter

General Data	
Item No.	DU-3001-1000-B
Power	10 Watts
LED type	5PCS 2W CREE XPE LED
Luminous flux	153~200lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	2° one beam as uplight or 2°+2°+2° as a gallery light
Dimension	Ø120x64 (mm) Diameter x length
Cut out	108 mm
Net weight	1.238 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC24V
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Low voltage constant current output, excluding the transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK08
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey
Trim	Stainless steel 316
Glass	Step tempered Glass. T=6mm.
Loading capacity	2000 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Mounting Sleeve	Passivated (Anodizing) Aluminum CNC machined. Dark grey

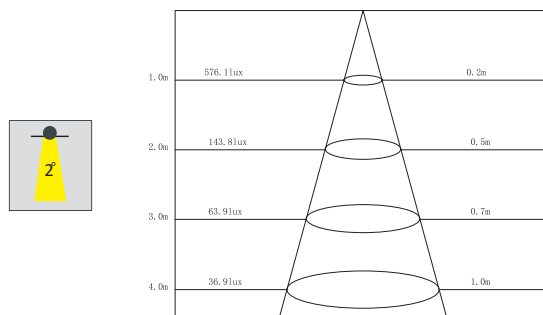
### Dimension



### Light Distribution Curve



### Lux distance Curve



### Illumination Picture (2° one beam as uplight or 2°+2°+2° as a gallery light )









### IP67 IK09

Round trim as standard (square trim optional)  
**COB reflector as standard ( COB lens optional)**

#### Parameter

##### General Data

Item No.	Round trim: DU-12W-COB-1200-AH Square trim: DUV-12W-COB-1200-AH-S
Power	12 Watts $\pm 10\%$
LED type	1 PC 12W CREE COB LED
Luminous flux	1050-1100lm $\pm 10\%$
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	COB reflector 15°, 23°, 38°, 45°, 60° as standard (Optional COB lens 10°, 23°, 36°)
Dimension	Ø110x85(mm) Diameter x length
Cut out	100 mm
Net weight	1.74 kgs
Warranty	3 years
Certifications	CE, RoHS

##### Electrical Data

Input voltage	AC95~265V (or DC24V optional)
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3 x1mm square
Driver	Built-in high voltage constant current driver with transformer

##### Construction Data

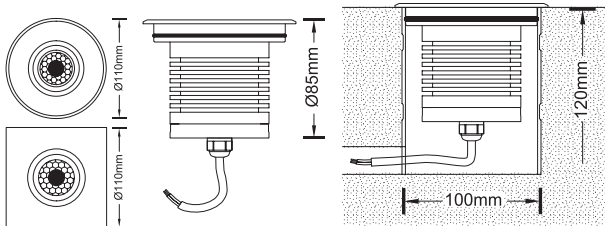
IP rating	IP67 Waterproof
IK rating	IK09
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing, silver color as standard, dark grey optional.
Trim	Round trim as standard (Square trim optional ) Stainless steel 316
Glass	Step tempered Glass. T=10mm
Loading capacity	2000 kgs
Cable Gland	PG gland
Gasket	O-ring PMQ silicone seal

##### Accessories

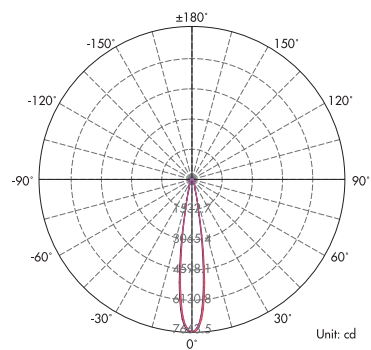
Mounting Sleeve	Anti-corrosion grey PVC+dark grey Aluminium ring
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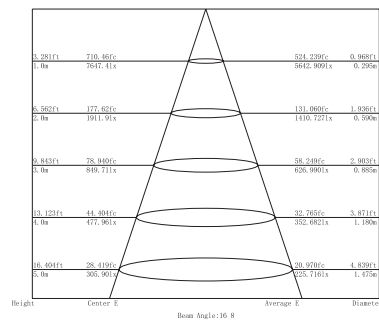
#### Dimension



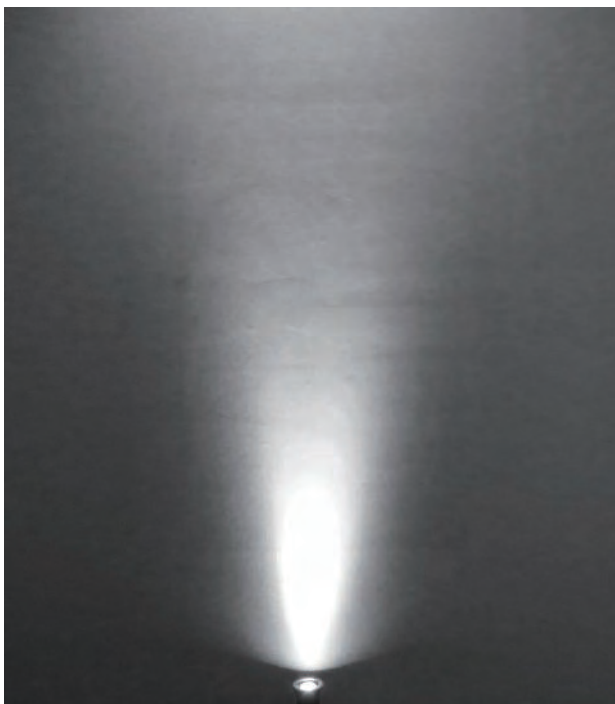
#### Light Distribution Curve (3000K, 10° COB lens)



#### Lux distance Curve (3000K, 10° COB lens)



#### Illumination Picture (10° COB lens)





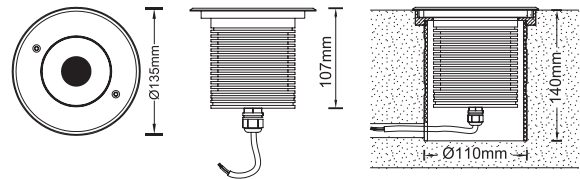
IP67 IK09

### Parameter

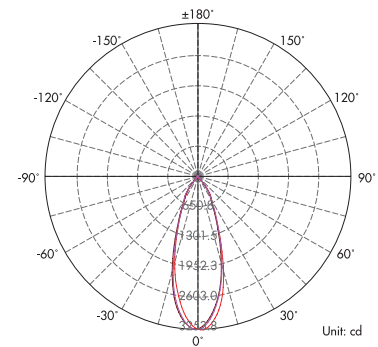
General Data	
Item No.	UL-25W-COB-2500-AH
Power	25 Watts
LED type	1PC 25W CREE COB LED
Luminous flux	2100~2300 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	15°, 23°, 38°, 45°, 60°
Dimension	Ø135x107 (mm) Diameter x length
Cut out	110 mm
Net weight	1.735 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC95~265V
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK09
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey
Trim	Stainless steel 316
Glass	Step tempered Glass. T=10mm.
Loading capacity	2000 kgs
Cable Gland	PG9 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Mounting Sleeve	Anti-corrosion grey PVC with screws fixed
Packaging	
Inner box size	150*150*155 mm
Carton size	47.5*32*33.5 cm (12PCS / carton)



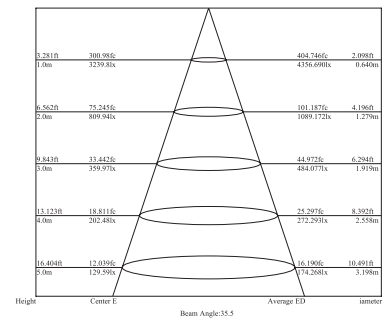
### Dimension



### Light Distribution Curve (3000K, 1x38°)



### Lux distance Curve (3000K, 1x38°)







IP67 IK08

### Parameter

#### General Data

Item No.	DU-25W-COB-2500-EH
Power	25 Watts +10%
LED type	1 PC 25W CREE COB LED
Luminous flux	1600lm~1800lm +10%
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	10°, 23°, 36°
Dimension	Ø110 x 120 (mm) Diameter x length
Cut out	90 mm
Net weight	1.2 kgs
Warranty	3 years
Certifications	CE, RoHS

#### Electrical Data

Input voltage	AC100~265V
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	High voltage constant current output, with the transformer

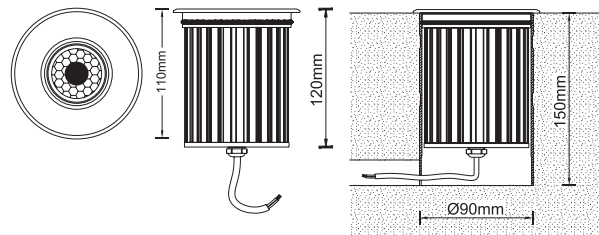
#### Construction Data

IP rating	IP67 Waterproof
IK rating	IK08
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey
Trim	Stainless steel 316
Glass	Step tempered Glass. T=8mm.
Loading capacity	500 kgs
Cable Gland	PG gland
Gasket	O-ring PMQ silicone seal

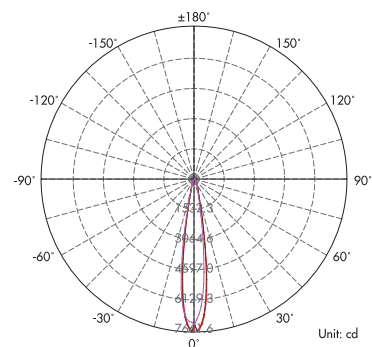
#### Accessories

Mounting Sleeve	Passivated (Anodizing) Aluminum CNC machined. Dark grey
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### Dimension



### Light Distribution Curve (3000K, 36° )







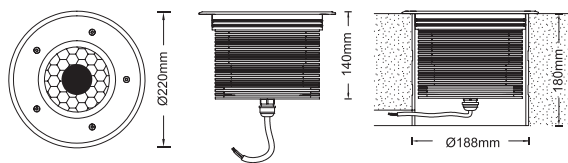
IP67 IK09

### Parameter

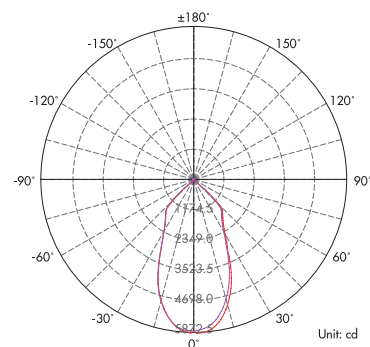
General Data	
Item No.	DU-50W-COB-5000-AH
Power	50 Watts
LED type	1PC 50W CREE COB LED
Luminous flux	5600~5800 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	24°, 60°
Dimension	Ø220 x 140 (mm) Diameter x length
Cut out	188 mm
Net weight	4.32 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC100~265V
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK09
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey
Trim	Stainless steel 316
Glass	Step tempered Glass. T=10mm.
Loading capacity	2000 kgs
Cable Gland	PG9 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Mounting Sleeve	Passivated (Anodizing) Aluminum CNC machined. Dark grey



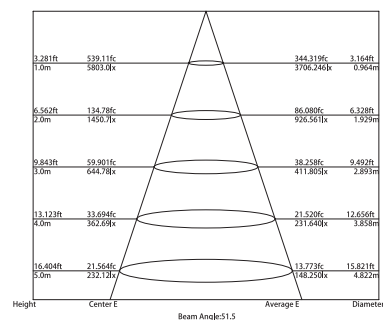
### Dimension



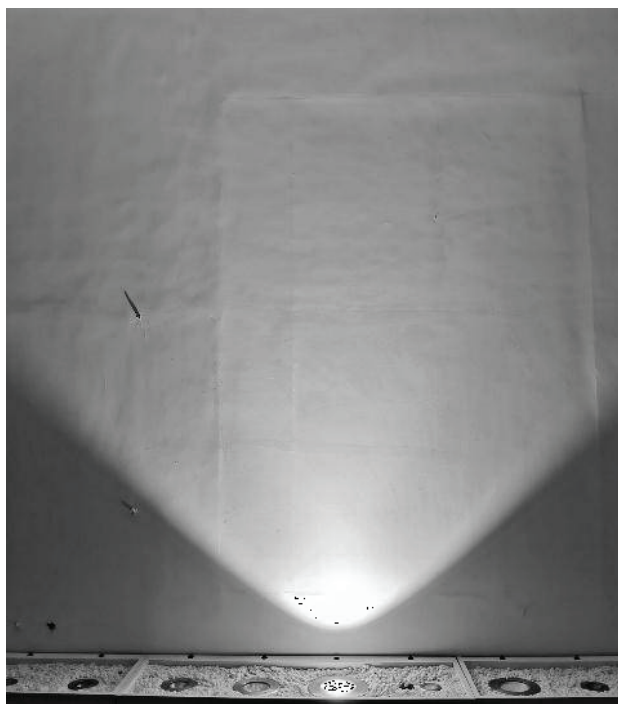
### Light Distribution Curve (3000K, 1x24°)



### Lux distance Curve (3000K, 1x24°)



### Illumination Picture (1x24°)





IP67 IK08

### Parameter

#### General Data

Item No.	DU-9W-COB-0900-I
Power	9 Watts
LED type	1 PC 9W CREE COB LED
Luminous flux	Clear glass: 435-490lm; Middle black painting glass: 345-445lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	10°, 20°, 30°
Dimension	Ø130x35 (mm) Diameter x Height
Cut out	Inground light: Ø118 mm Deck light: Ø115 mm
Net weight	0.72 KGS
Warranty	3 years
Certifications	CE, RoHS

#### Electrical Data

Input voltage	DC 24V
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Built-in low voltage constant current driver without transformer
Control	ON/OFF / PWM

#### Construction Data

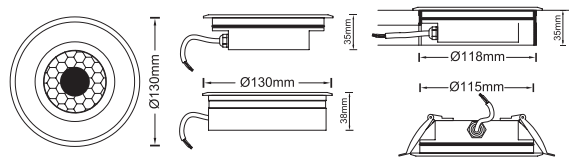
IP rating	IP67 Waterproof
IK rating	IK08
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey color
Trim	Stainless steel 316
Glass	Step tempered clear glass as standard T=8mm. ( middle black painting glass optional)
Loading capacity	2000 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal

#### Accessories

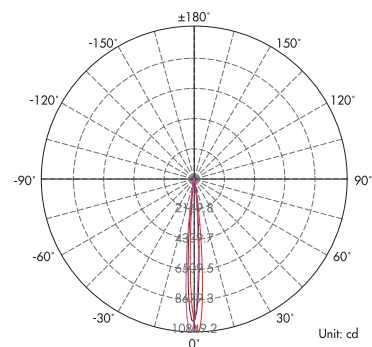
Mounting sleeve	Aluminium sleeve used as inground light
Clip	Two clips with screws optional used as downlight / deck light



### Dimension



### Light Distribution Curve (3000K, 10° )



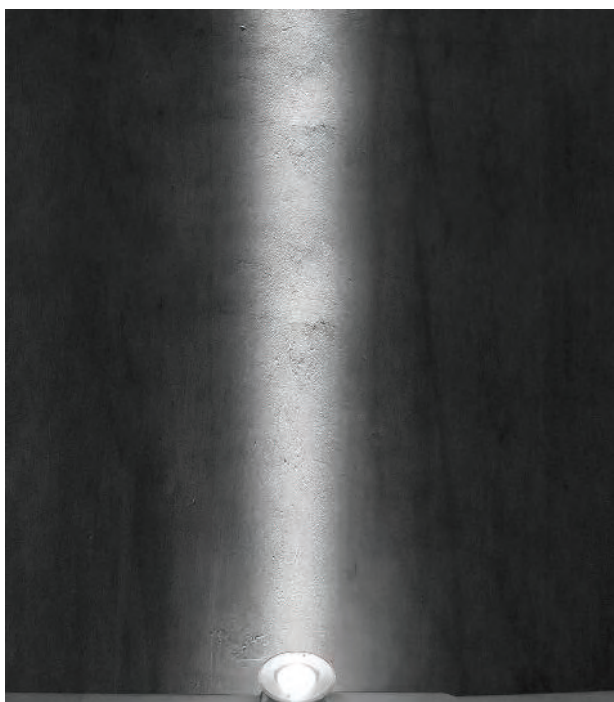
### Lux distance Curve (3000K, 10° )



3.281ft	940.93fc	692.211fc	0.502ft
1.0m	10128lx	7450.960lx	0.153m
6.562ft	235.23fc	173.053fc	1.004ft
2.0m	2532.1lx	1862.740lx	0.306m
9.843ft	104.55fc	76.912fc	1.506ft
3.0m	1125.4lx	827.884lx	0.459m
13.123ft	58.808fc	43.263fc	2.007ft
4.0m	633.01lx	465.685lx	0.612m
16.404ft	37.637fc	27.688fc	2.509ft
5.0m	405.13lx	298.038lx	0.765m

Height Center E Beam Angle: 8.7 Average E Diameter

### Illumination Picture (10° )





IP67 IK08

### Parameter

#### General Data

Item No.	DU-15W-COB-1500-I
Power	15 Watts
LED type	1 PC 15W CREE COB LED
Luminous flux	Clear glass: 1000~1060lm; Middle black painting glass: 650~900lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	10°, 20°, 30°
Dimension	Ø160x35 (mm) Diameter x Height
Cut out	Inground light: Ø143mm Deck light: Ø145mm
Net weight	1.1 KGS
Warranty	3 years
Certifications	CE, RoHS

#### Electrical Data

Input voltage	DC 24V
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Built-in low voltage constant current driver without transformer
Control	ON/OFF / PWM

#### Construction Data

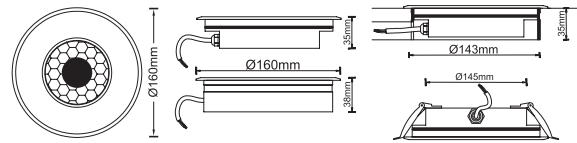
IP rating	IP67 Waterproof
IK rating	IK08
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey color
Trim	Stainless steel 316
Glass	Step tempered clear glass as standard T=8mm. (middle black painting glass optional)
Loading capacity	2000 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal

#### Accessories

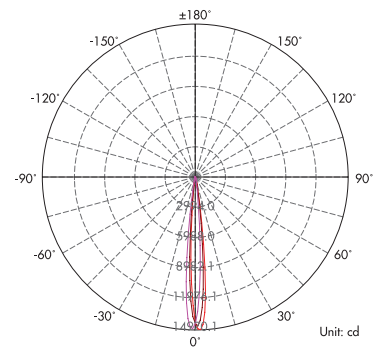
Mounting sleeve	Aluminium sleeve used as inground light
Clip	Two clips with screws optional used as downlight / deck light



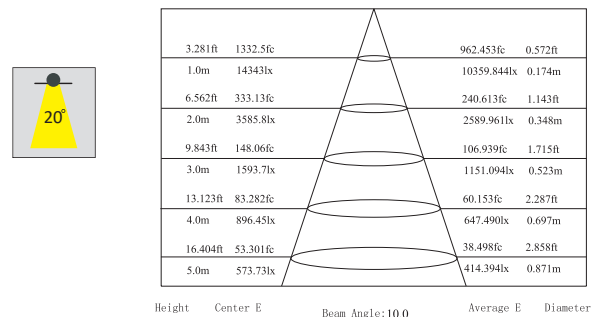
### Dimension



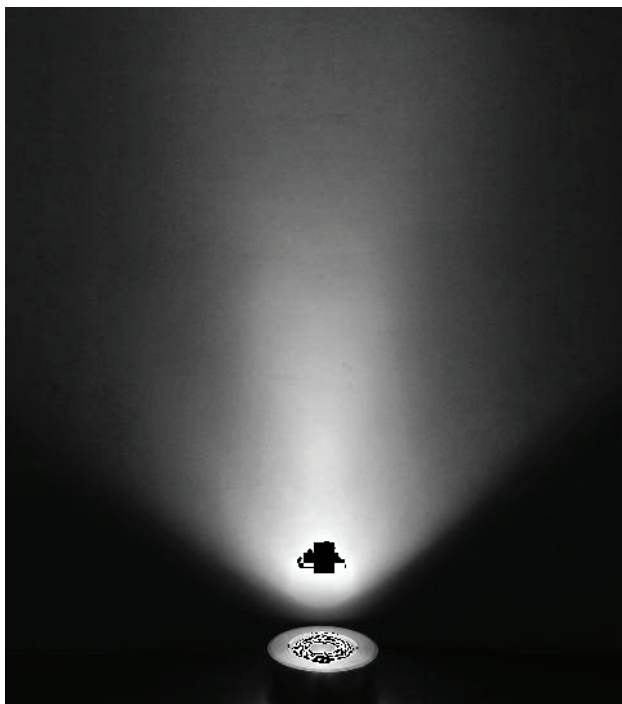
### Light Distribution Curve (3000K, 20° )



### Lux distance Curve (3000K, 20° )



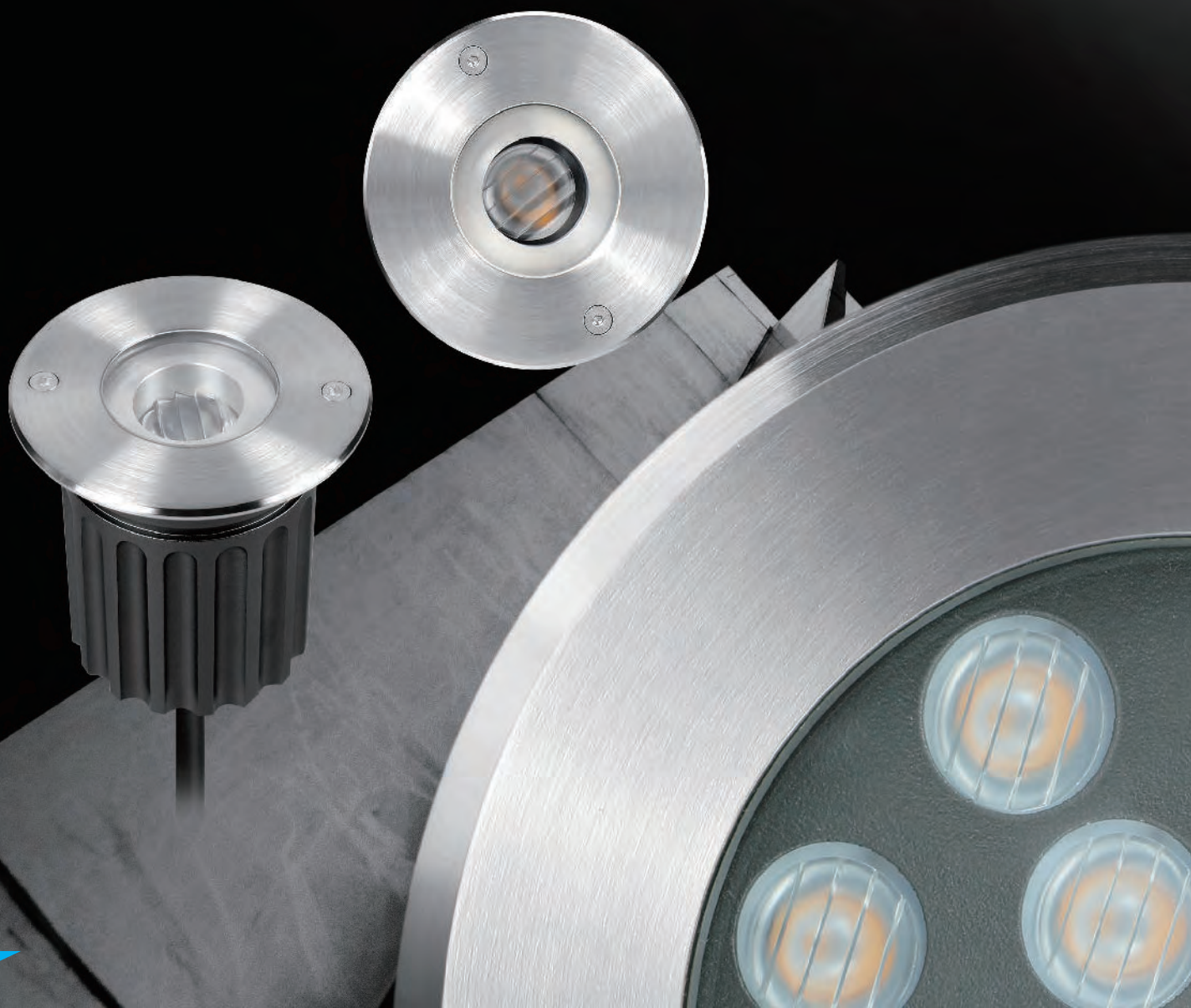
### Illumination Picture (20° )





# INGROUND LIGHTS SERIES

1.6 ASYMMETRIC SMD LED GROUND SPOT SERIES









IP67 IK06

### Parameter

#### Asymmetric lens

General Data	
Item No.	DU-1009-0300-C
Power	3 Watts
LED type	1 PC 3W CREE XPE LED
Luminous flux	110~130 lm
CCT	2700K, 3000K, 4000K, 6000K, R/G/Y/B
CRI	80+
Beam angle	Asymmetric: 15°+15°, 15°+25°, 15°+30°, 15°+45°, 15°+60°; Symmetric: 6°, 8°, 10°, 17°, 23°, 28°, 43°, 58°
Dimension	55x70 (mm) Diameter x Height
Cut out	80 mm
Net weight	0.356 kgs
Warranty	3 years
Certifications	CE, RoHS

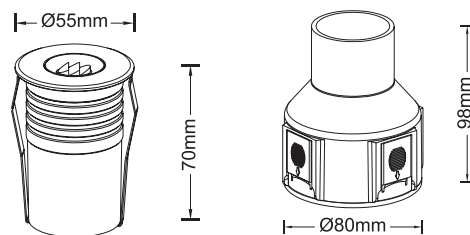
Electrical Data	
Input voltage	DC24V / DC12V as standard, (AC100~240V as options)
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Low voltage constant current output, excluding the transformer

Construction Data	
IP rating	IP67 Waterproof
IK rating	IK06
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing, Dark grey
Trim	Stainless steel 316
Glass	Step tempered Glass. T=6mm.
Loading capacity	320 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal

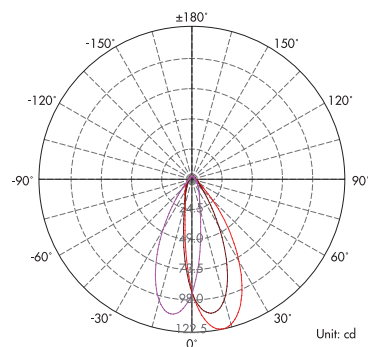
Accessories	
Mounting Sleeve	Anti-corrosion black PVC, with screws fixed



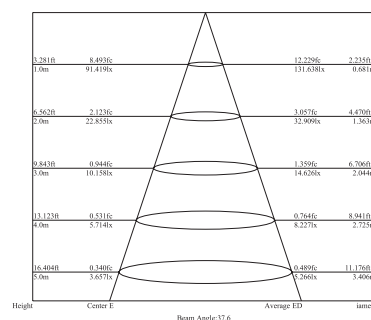
### Dimension



### Light Distribution Curve (3000K, 15x30°)



### Lux distance Curve (3000K, 15x30°)



### Illumination Picture (15x30°)







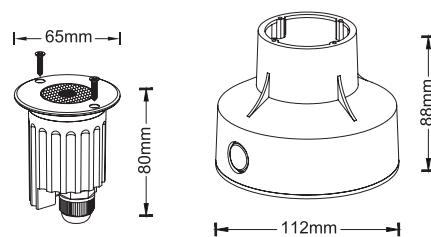
IP67 IK06

### Parameter

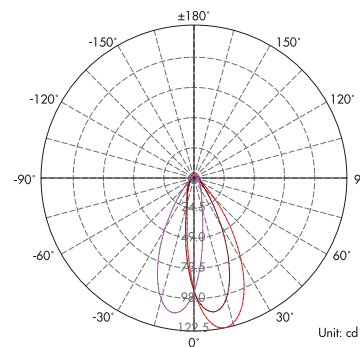
General Data	
Item No.	DU-1008-0500-B
Power	5 Watts
LED type	1 PCSW CREE XPG LED
Luminous flux	350~400 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	Asymmetric lens with 15°+15°, 15°+25°, 15°+30°, 15°+45°, 15°+60° (tilt +pan) or general lens 6°, 8°, 10°, 17°, 23°, 28°, 43°, 58°
Dimension	Ø65x80 (mm) Diameter x length
Cut out	112 mm
Net weight	0.48 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC24V
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Low voltage constant current output, excluding the transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK06
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey
Trim	Stainless steel 316
Glass	Step tempered Glass. T=6mm.
Loading capacity	320 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Mounting sleeve	Anti-corrosion black PVC



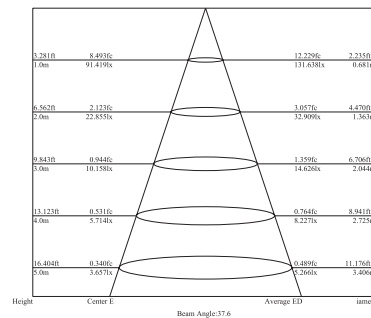
### Dimension



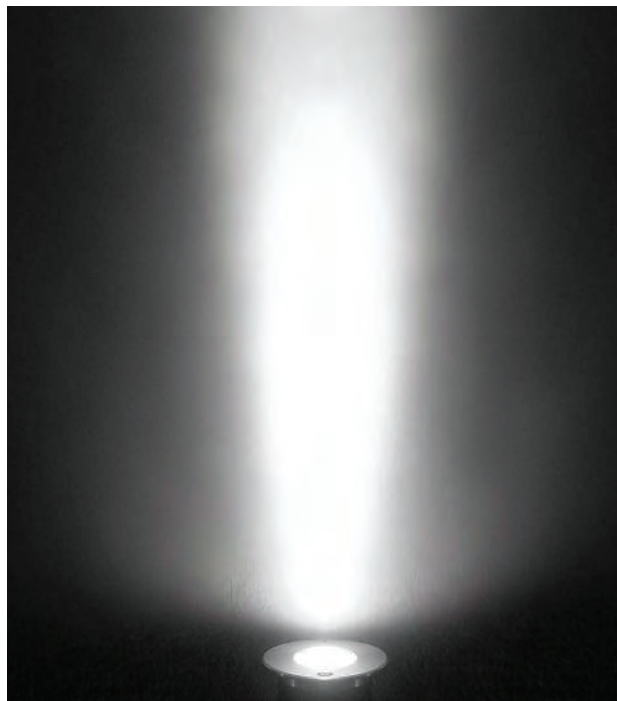
### Light Distribution Curve (3000K, 10° )



### Lux distance Curve (3000K, 10° )



### Illumination Picture (10° )





# INGROUND LIGHTS SERIES

## 1.7 ASYMMETRIC COB LED GROUND SPOT SERIES



Illustration of downward asymmetrical light



Illustration of upward asymmetrical light









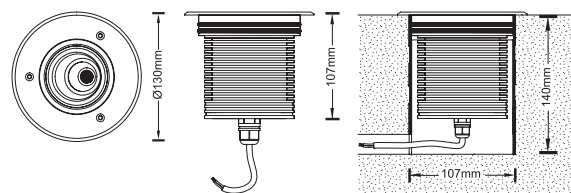
IP67 IK09

### Parameter

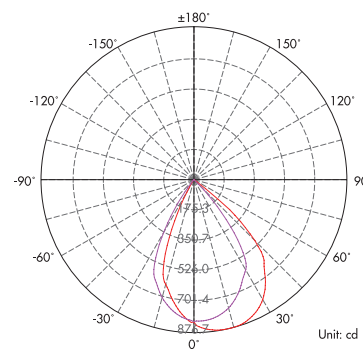
General Data	
Item No.	DU-25W-COB-2500-CH
Power	25 Watts
LED type	1PC 25W CREE COB LED
Luminous flux	black reflector: 853~953lm; white reflector: 1280~1380lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	15x70°
Dimension	Ø130x107 (mm) Diameter x length
Cut out	153 mm
Net weight	3.7 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC100-265V
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK09
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey
Trim	Stainless steel 316
Glass	Step tempered Glass. T=8mm.
Loading capacity	2000 kgs
Cable Gland	PG9 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Mounting sleeve	Passivated (Anodizing) Aluminum CNC machined. Dark grey
Packaging	
Inner box size	150*150*155mm
Carton size	32.5*32.5*33.5 cm (8PCS / carton)



### Dimension



### Light Distribution Curve (3000K, 15x70°)

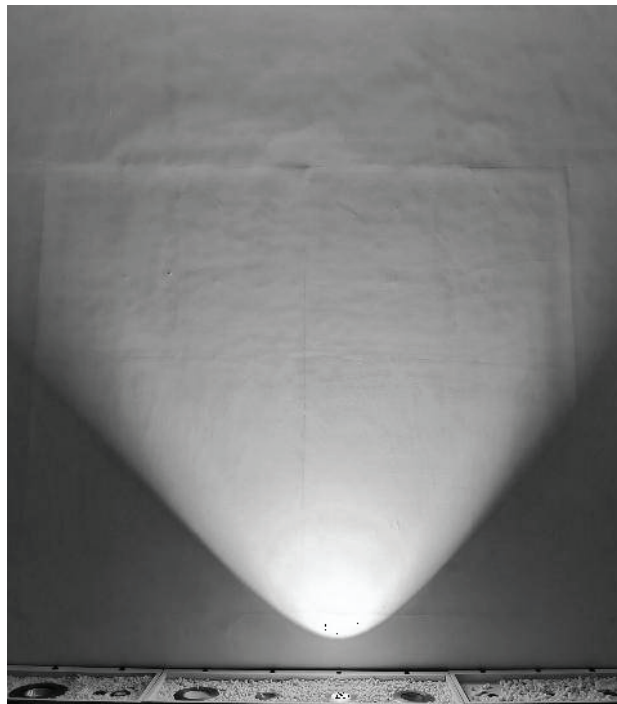


### Lux distance Curve (3000K, 15x70°)



Height	Center E	Average E	Diameter
3.281ft 1.0m	75.701fc 874.85lx	39.852fc 458.458lx	4.991ft 1.538m
6.562ft 2.0m	18.925fc 205.71lx	9.951fc 107.113lx	8.783ft 2.677m
9.843ft 3.0m	8.411fc 90.538lx	4.423fc 47.801lx	13.174ft 4.015m
13.123ft 4.0m	4.731fc 50.928lx	2.488fc 26.779lx	17.565ft 5.354m
16.404ft 5.0m	3.028fc 32.594lx	1.592fc 17.138lx	21.956ft 6.692m

### Illumination Picture (15x70°)







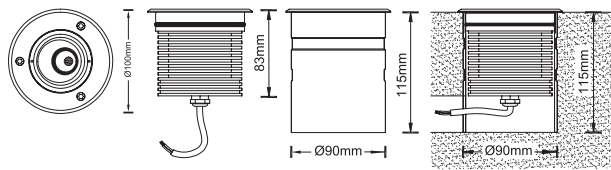
IP67 IK08

### Parameter

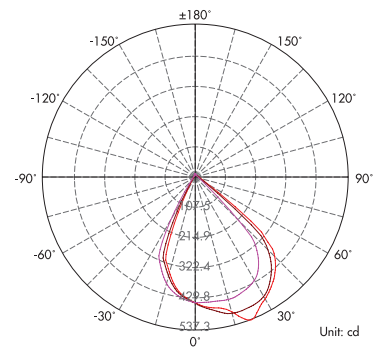
General Data	
Item No.	DU-15W-COB-1500-DH
Power	15 Watts
LED type	1 PC 15W CREE COB LED
Luminous flux	Black reflector: 540~640 lm; White reflector: 810~960lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	Asymmetric 15°x 70° (Tilt x Pan)
Dimension	Ø100x83 (mm) Diameter x Height
Cut out	Ø90 mm
Net weight	0.95 KGS
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC100~245V
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK08
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey color
Trim	Stainless steel 316
Glass	Step tempered Glass. T=8mm.
Loading capacity	2000 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Mounting sleeve	Anti-corrosion black PVC with screws fixed
Packaging	
Inner box size	110*110*125 mm
Carton size	35*35*27.5 cm (18PCS/CTN)



### Dimension



### Light Distribution Curve (3000K, 15°x 70°)



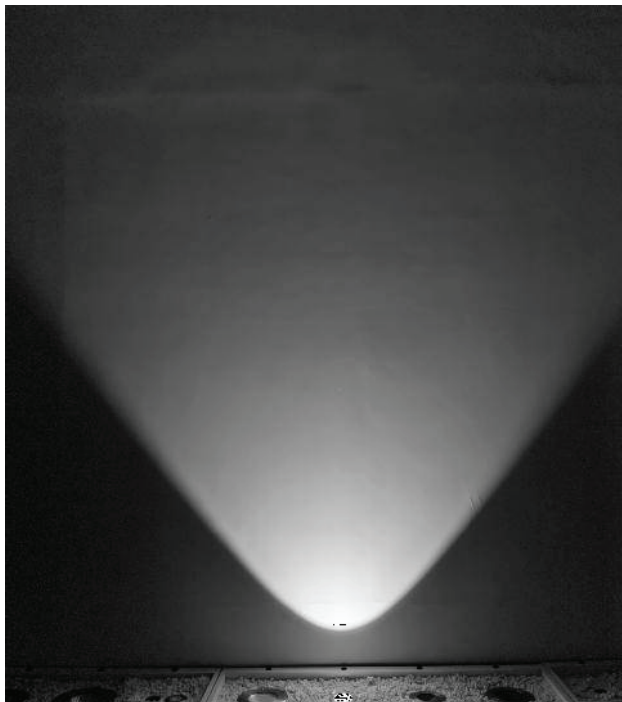
### Lux distance Curve (3000K, 15°x 70°)



3.281ft	41.116fc	22.398fc	4.631ft
1.0m	442.57lx	241.093lx	1.411m
6.562ft	10.279fc	5.600fc	9.261ft
2.0m	110.64lx	60.273lx	2.823m
9.843ft	4.568fc	2.489fc	13.892ft
3.0m	49.175lx	404.483lx	1.134m
13.123ft	2.570fc	1.400fc	18.522ft
4.0m	27.661lx	15.068lx	5.646m
16.404ft	1.645fc	0.896fc	23.153ft
5.0m	17.703lx	9.644lx	7.057m

Height Center E Beam Angle: 70.4 Average E Diameter

### Illumination Picture (15x70°)





IP65 IK06

### Parameter

#### General Data

Item No.	DU-1001-0100-A-12V
Power	1 Watt
LED type	1 PC 1W OSRAM LED
Luminous flux	95~100 lm
CCT	2700K, 3000K, 4000K, 6000K, R/G/Y/B
CRI	80+
Beam angle	120°
Dimension	40 x 12 (mm) Diameter x Height
Cut out	38 mm
Net weight	0.080 kgs
Warranty	3 years
Certifications	CE, RoHS

#### Electrical Data

Input voltage	DC12V/DC24V
Insulation class	Class III
Cable	1PC PVC cable 0.3M 2x0.34 mm square
Driver	Low voltage constant current output, excluding the transformer

#### Construction Data

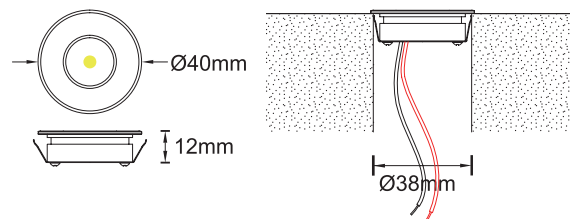
IP rating	IP65 Waterproof
IK rating	IK06
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing.
Trim	Stainless steel 316 as standard, Polished chrome Aluminium as options
Glass	Step tempered Glass. T=4mm. Frosted glass as standard, milky white glass as options.
Loading capacity	320kgs
Cable Gland	Glue
Gasket	O-ring PMQ silicone seal +Glue

#### Accessories

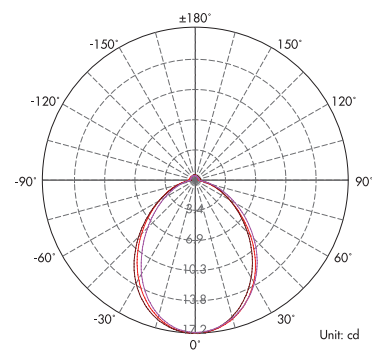
Mounting sleeve	Aluminium spring fixed on the body
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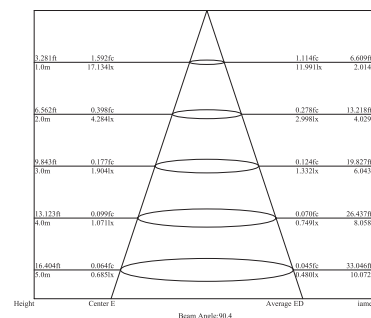
### Dimension



### Light Distribution Curve (3000K, 120°)

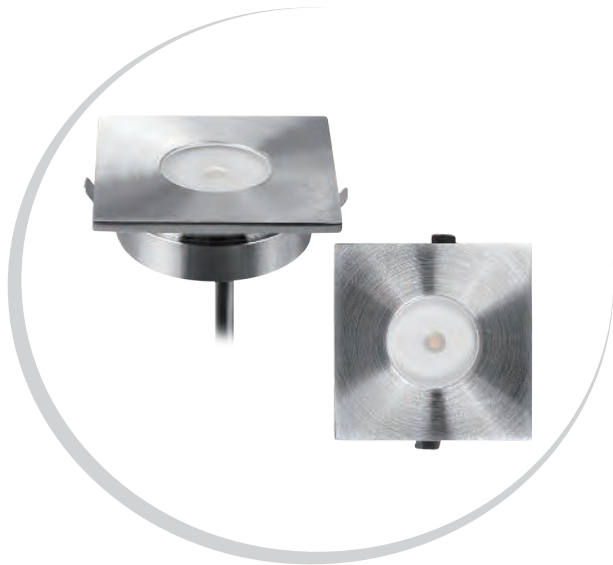


### Lux distance Curve (3000K, 120°)



### Illumination Picture (120°)





IP65 IK06

### Parameter

#### General Data

Item No.	DU-1002-0100-A-12V
Power	1 Watt
LED type	1 PC 1W OSRAM LED
Luminous flux	95~100 lm
CCT	2700K, 3000K, 4000K, 6000K, R/G/Y/B
CRI	80+
Beam angle	120°
Dimension	40 x 12 (mm) Diameter x Height
Cut out	38 mm
Net weight	0.086 kgs
Warranty	3 years
Certifications	CE, RoHS

#### Electrical Data

Input voltage	DC12V/DC24V
Insulation class	Class III
Cable	1PC PVC cable 0.3M 2x0.34 mm square
Driver	Low voltage constant current output, excluding the transformer

#### Construction Data

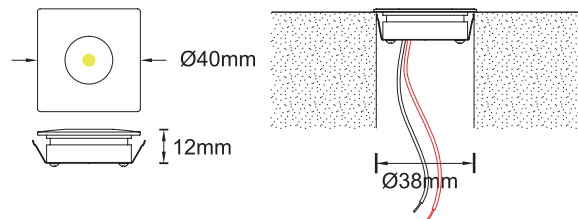
IP rating	IP65 Waterproof
IK rating	IK06
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing.
Trim	Stainless steel 316 as standard, Polished chrome Aluminium as options
Glass	Step tempered Glass. T=4mm. Frosted glass as standard, milky white glass as options.
Loading capacity	320kgs
Cable Gland	Glue
Gasket	O-ring PMQ silicone seal +Glue

#### Accessories

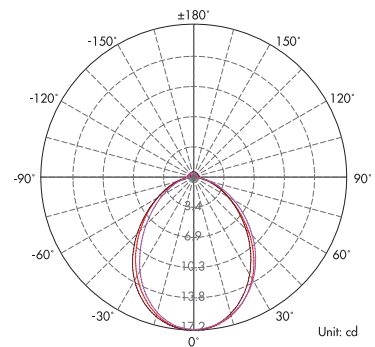
Mounting sleeve	Aluminium spring fixed on the body
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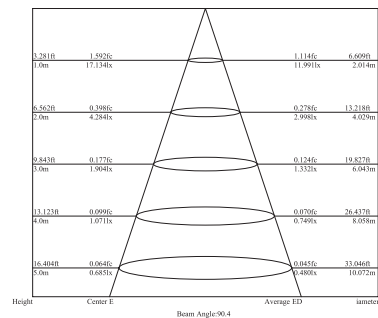
### Dimension



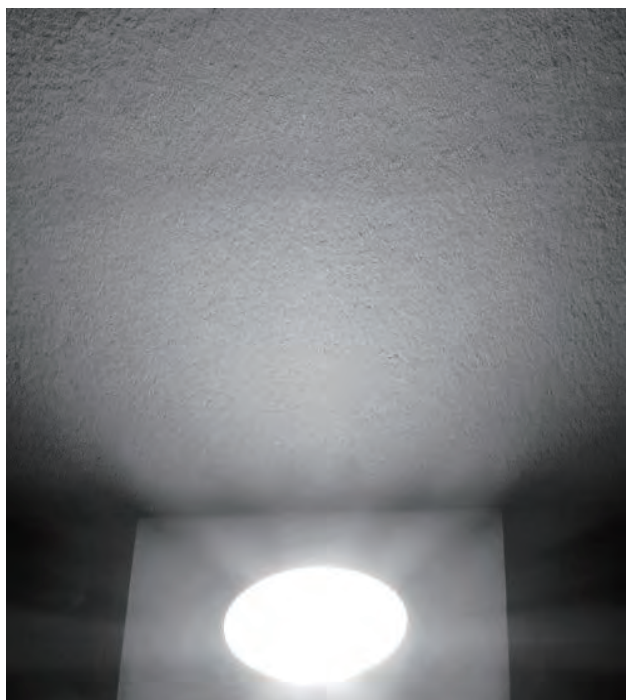
### Light Distribution Curve (3000K, 120°)



### Lux distance Curve (3000K, 120°)



### Illumination Picture (120°)











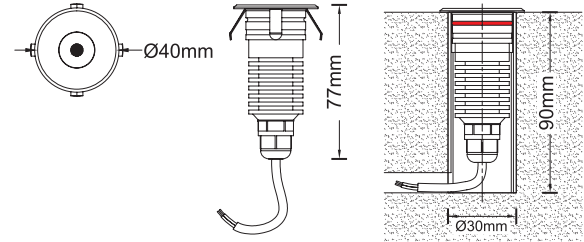


IP67 IK09

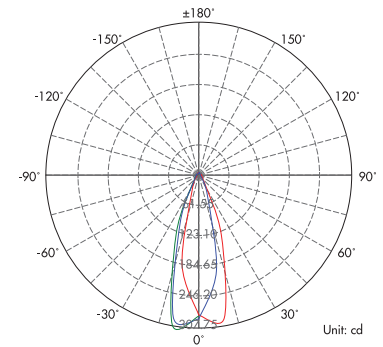
### Parameter

General Data	
Item No.	DU-1003-0300-A(Deck)
Power	3 Watts
LED type	1 PC 3W CREE XPE LED
Luminous flux	110-130 lm
CCT	2700K, 3000K, 4000K, 6000K, R/G/Y/B
CRI	80+
Beam angle	8°, 10°, 17°, 23°, 28°, 43°, 58°
Dimension	Ø40x77 (mm) Diameter x length
Cut out	33 mm
Net weight	0.23 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC12V~DC24V
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Low voltage constant current output, excluding the transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK09
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey
Trim	Stainless steel 316
Glass	Step tempered Glass. T=10mm.
Loading capacity	500 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Mounting Sleeve	Aluminum Sleeve as options for inground light
Clip	With Aluminium spring that's for deck lights or ceiling lights application

### Dimension



### Light Distribution Curve (3000K, 1x40°)



### Lux distance Curve (3000K, 1x40°)



2m	71.23 LUX	1.1m	1.0m
4m	17.81 LUX	2.3m	2.1m
6m	7.91 LUX	3.4m	3.1m
8m	4.45 LUX	4.5m	4.2m
10m	2.85 LUX	5.7m	5.2m
12m	1.98 LUX	6.8m	6.3m

Vert.Spread:31.6

Horiz.Spread:29.4

### Illumination Picture (1x40°)







IP67 IK08

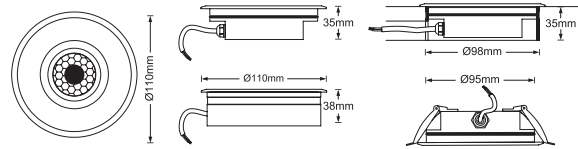
Used as inground lights, downlights, deck lights !

### Parameter

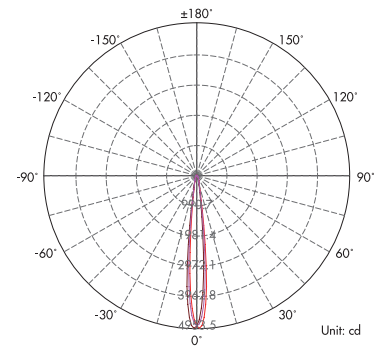
General Data	
Item No.	DU-6W-COB-0600-I
Power	6 Watts $\pm 10\%$
LED type	1 PC 6W CREE COB LED
Luminous flux	415lm $\sim 435\text{lm} \pm 10\%$
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	10°, 20°, 30°
Dimension	Ø110x35 (mm) Diameter x length
Cut out	98 mm with sleeve, 95mm with clip
Net weight	0.55 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC24V
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Low voltage constant current output, excluding the transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK08
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey
Trim	Stainless steel 316
Glass	Step tempered Glass. T=8mm.
Loading capacity	500 kgs
Cable Gland	PG gland
Gasket	O-ring PMQ silicone seal
Accessories	
Mounting sleeve	Passivated (Anodizing) Aluminum CNC machined. Dark grey
Clip	With spring as options, that's for wall lights, deck lights or ceiling lights application



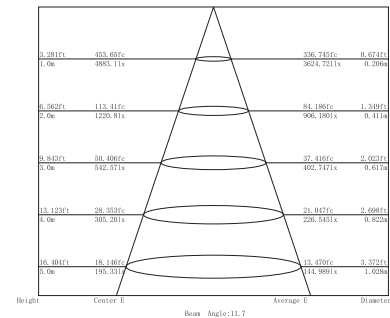
### Dimension



### Light Distribution Curve (3000K, 10°)



### Lux distance Curve (3000K, 10°)



### Illumination Picture (10°)











IP67 IK08

### Parameter

#### General Data

Item No.	DU-9W-COB-0900-I
Power	9 Watts
LED type	1 PC 9W CREE COB LED
Luminous flux	Clear glass: 435-490lm; Middle black painting glass: 345-445lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	10°, 20°, 30°
Dimension	Ø130x35 (mm) Diameter x Height
Cut out	Inground light: Ø118 mm Deck light: Ø115 mm
Net weight	0.72 KGS
Warranty	3 years
Certifications	CE, RoHS

#### Electrical Data

Input voltage	DC 24V
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Built-in low voltage constant current driver without transformer
Control	ON/OFF / PWM

#### Construction Data

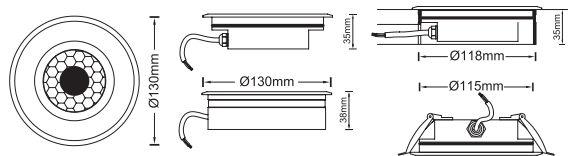
IP rating	IP67 Waterproof
IK rating	IK08
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey color
Trim	Stainless steel 316
Glass	Step tempered clear glass as standard T=8mm . ( middle black painting glass optional)
Loading capacity	2000 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal

#### Accessories

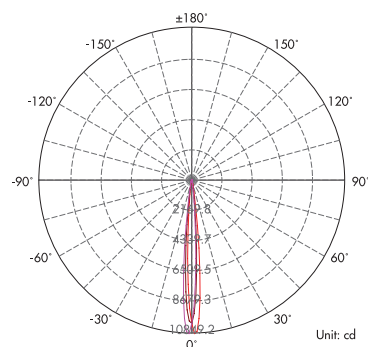
Mounting sleeve	Aluminium sleeve optional used as inground light
Clip	Two clips with screws used as downlight / deck light



### Dimension



### Light Distribution Curve (3000K, 10° )



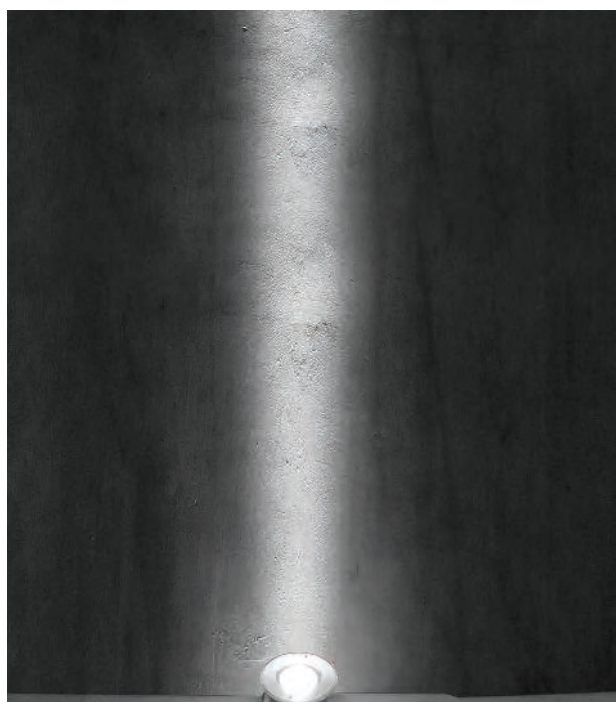
### Lux distance Curve (3000K, 10° )



3.281ft	940.93fc	692.211fc	0.502ft
1.0m	10128lx	7450.960lx	0.153m
6.562ft	235.23fc	173.053fc	1.004ft
2.0m	2532.1lx	1862.740lx	0.306m
9.843ft	104.55fc	76.912fc	1.506ft
3.0m	1125.4lx	827.884lx	0.459m
13.123ft	58.808fc	43.263fc	2.007ft
4.0m	633.01lx	465.685lx	0.612m
16.404ft	37.637fc	27.688fc	2.509ft
5.0m	405.13lx	298.038lx	0.765m

Height Center E Beam Angle: 8.7 Average E Diameter

### Illumination Picture (10°)







IP67 IK08

### Parameter

#### General Data

Item No.	DU-12W-COB-1200-I
Power	12 Watts
LED type	1 PC 12W CREE COB LED
Luminous flux	Clear glass: 830~950lm; Middle black painting glass: 470~600lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	10°, 20°, 30°
Dimension	Ø150x35 (mm) Diameter x Height
Cut out	Inground light: Ø135mm Deck light: Ø135mm
Net weight	0.98 KGS
Warranty	3 years
Certifications	CE, RoHS

#### Electrical Data

Input voltage	DC 24V
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Built-in low voltage constant current driver without transformer
Control	ON/OFF / PWM

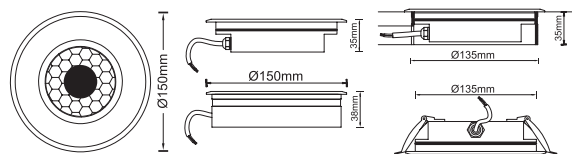
#### Construction Data

IP rating	IP67 Waterproof
IK rating	IK08
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey color
Trim	Stainless steel 316
Glass	Step tempered clear glass as standard T=8mm. ( middle black painting glass optional)
Loading capacity	2000 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal

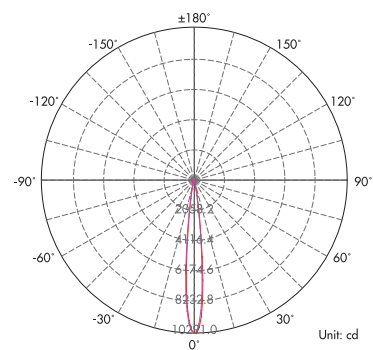
#### Accessories

Mounting sleeve	Aluminium sleeve optional used as inground light
Clip	Two clips with screws used as downlight / deck light

### Dimension



### Light Distribution Curve (3000K, 10°)



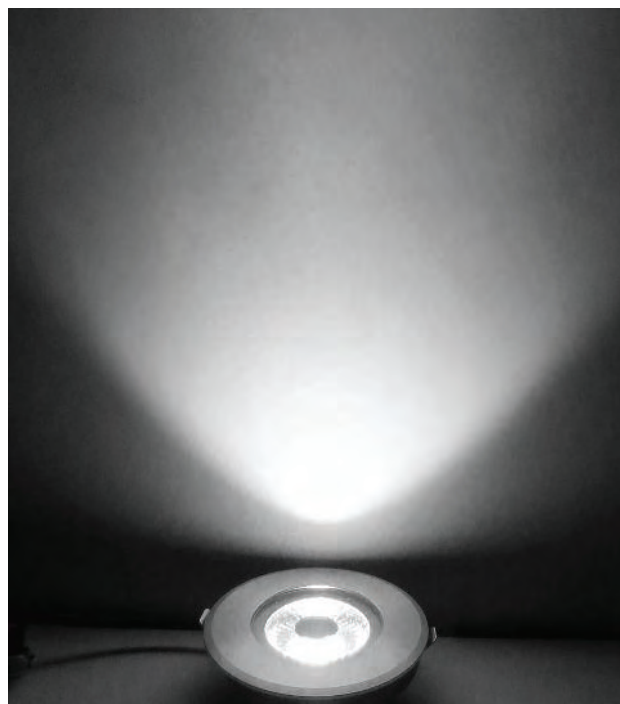
### Lux distance Curve (3000K, 10°)



3.281 ft	956.06fc	700.367fc	0.662ft
1.0m	10291lx	7538.750lx	0.202m
6.562ft	239.01fc	175.092fc	1.323ft
2.0m	2572.8lx	1884.687lx	0.403m
9.843ft	106.23fc	77.819fc	1.985ft
3.0m	1143.4lx	837.639lx	0.605m
13.123ft	59.754fc	43.773fc	2.646ft
4.0m	643.19lx	471.172lx	0.807m
16.404ft	38.242fc	28.015fc	3.308ft
5.0m	411.64lx	301.550lx	1.008m

Height Center E Beam Angle: 11.5 Average E Diameter

### Illumination Picture (30°)





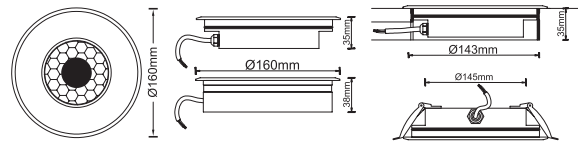
IP67 IK08

### Parameter

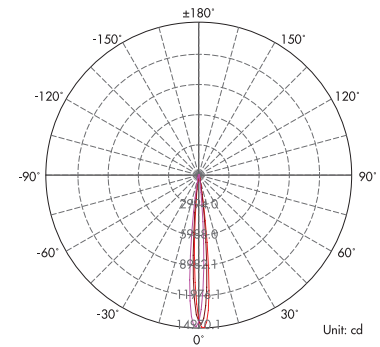
General Data	
Item No.	DU-15W-COB-1500-I
Power	15 Watts
LED type	1 PC 15W CREE COB LED
Luminous flux	Clear glass: 1000~1060lm; Middle black painting glass: 650~900lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	10°, 20°, 30°
Dimension	Ø160x35 (mm) Diameter x Height
Cut out	Inground light: Ø143mm Deck light: Ø145mm
Net weight	1.1 KGS
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC 24V
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Built-in low voltage constant current driver without transformer
Control	ON/OFF / PWM
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK08
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey color
Trim	Stainless steel 316
Glass	Step tempered clear glass as standard T=8mm. ( middle black painting glass optional)
Loading capacity	2000 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Mounting sleeve	Aluminium sleeve optional used as inground light
Clip	Two clips with screws used as downlight / deck light



### Dimension



### Light Distribution Curve (3000K, 20° )

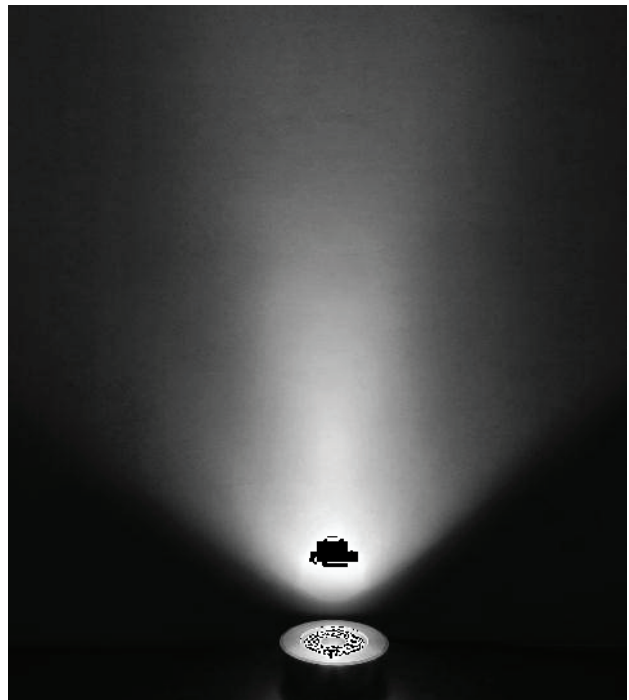


### Lux distance Curve (3000K, 20° )



Height	Center E	Beam Angle: 10.0	Average E	Diameter
3.281 ft	1332.5fc		962.453fc	0.572ft
1.0m	14343lx		10359.844lx	0.174m
6.562 ft	333.13fc		240.613fc	1.143ft
2.0m	3585.8lx		2589.961lx	0.348m
9.843 ft	148.06fc		106.939fc	1.715ft
3.0m	1593.7lx		1151.094lx	0.523m
13.123 ft	83.282fc		60.153fc	2.287ft
4.0m	896.45lx		647.490lx	0.697m
16.404 ft	53.301fc		38.498fc	2.858ft
5.0m	573.73lx		414.394lx	0.871m

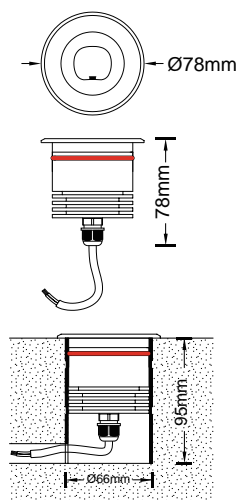
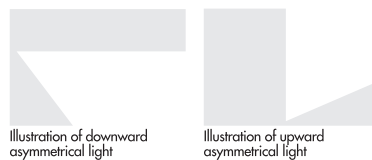
### Illumination Picture (20°)











### General Data

Item No.	DU-1013
Power	9 Watts
LED type	1 PC CREE MHB-A 5050 SMD LED
Beam angle	45° tilt asymmetric + 45° pan beam
Dimension	78x78 (mm) Diameter x Height
Cut out	66 mm
Net weight	0.539 kgs
Warranty	3 years
Certifications	CE, RoHS

### Electrical Data

Input voltage	DC24V as standard, (AC100~245V as options)
Insulation class	Class III
Cable	1PC rubber cable 1.5M H05RN-F 2x0.75mm square
Driver	Low voltage constant current output ,excluding the transformer

### Construction Data

IP rating	IP67 Waterproof
IK rating	IK08
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing, Dark grey
Trim	Stainless steel 316
Glass	Step tempered Glass, T=6mm.
Loading capacity	2000 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal

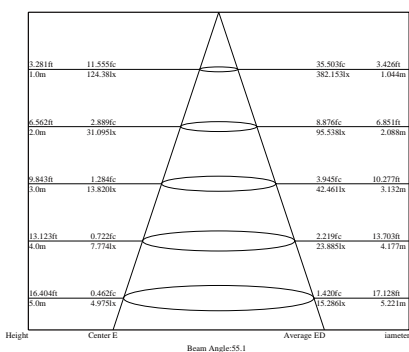
### Accessories

Mounting Sleeve	Passivated (Anodizing) Aluminum CNC machined
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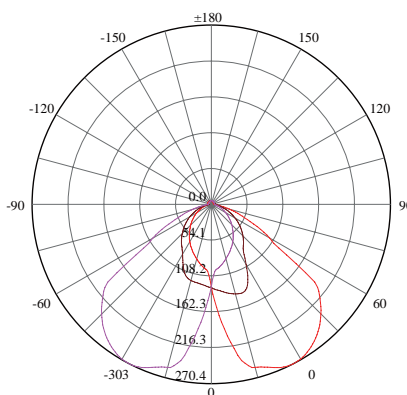
SSS 316

Passivated

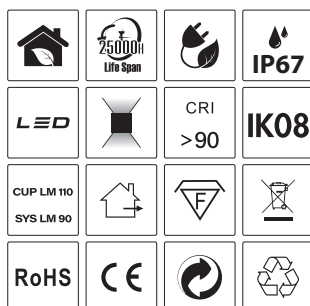
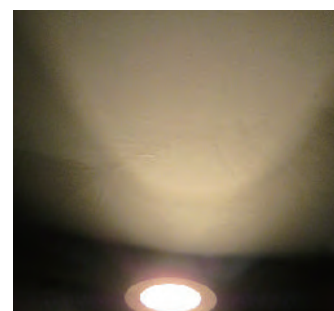
### Lux distance Curve



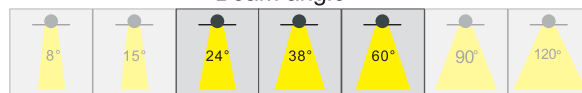
### Light Distribution Curve [Unit: cd]

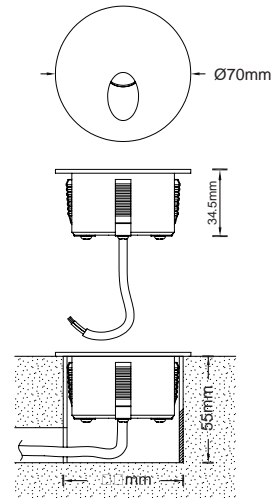


### Illumination Picture



### Beam angle





### General Data

Item No.	DU-006 PC
Power	1.2 Watts (3 watts as optional)
LED type	1 PC CREE XPE LED (WW, NW, CW.1 Watt to 3 Watt optional)
Beam angle	30°
Dimension	70 x 34.5 (mm) Diameter x Height
Cut out	62 mm
Net weight	0.225 kgs
Warranty	3 years
Certifications	CE, RoHS

### Electrical Data

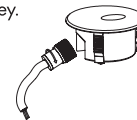
Input voltage	DC12V / DC24V
Insulation class	Class III
Cable	1 x cable 0.3 M H05RN-F 2x0.5mm square to open wires
Driver	Low voltage constant current output ,excluding the transformer. (With separately driver for options)

### Construction Data

IP rating	IP67 Waterproof
IK rating	IK06
Housing	Polished chrome Aluminium
Protection finishing	Polished chrome / White / Stales
Trim	Polished chrome Aluminium
Glass	Tempered glass
Loading capacity	320 kgs
Cable Gland	IP67
Gasket	O-ring PMQ silicone seal

### Accessories

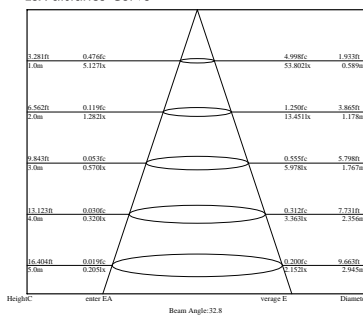
Mounting Sleeve	Anti-corrosion PVC. Grey.
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Illumination Picture



### Lux distance Curve





### LED IN-GROUND LUMINAIRE

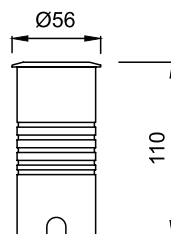
Model No.: DU-JGD101 ( Ref: 60-3-C01 )



IMAGE



IMAGE



Cut-out: Ø50

DRAWING

H (m)	DH (m)	3W/10°	EAV (lx)
1.0	0.21		858
2.0	0.41		214
3.0	0.62		95
4.0	0.82		54
5.0	1.03		34

Illuminance at a distance

### FEATURES

- Unique optic design with deeply recessed led realize much low glare and stylish inground luminaire family.
- Precise beam angle control at narrow 10° , 15° , 24° , 36° ; outstanding color rendering at 95 .
- Precisely sculpted from solid aluminum block as body and 316 stainless steel plate as frame.
- Durable materials and high quality waterproof solutions, for all rural inground mounted area.

### DESCRIPTION

Description: LED in-ground luminaire

Model No.: DU-JGD101

Power consumption: 3W

Driver: Integral constant current

Driver Model: SDC07004L-01

Input: 200-240VAC, 50-60Hz

Output: 3VDC, 700mA

Efficiency(Typ.): 70%

Power factor:

Dimensions: Ø56\*110mm

Cut-out: Ø50mm

Tilt adjustment angle: n.a.

Rotation adjustment angle: n.a.

Finish: Stainless steel + Chrome reflector

Main material: 316 stainless steel + Aluminum

Reflector: Plastic

Optical / Lens: Clear tempered glass + plastic len

Optional optic: n.a.

IP Rating: IP67

Mounting: In-ground

Operating temperature: - 25°C ~ + 65°C

Storage temperature: - 25°C ~ + 65°C

Dimmable: ☒ Non-dim ☐ Triac (phase cut)

☐ 0-10V ☐ DALI ☐ PWM ☐ DMX512

### LIGHT PERFORMANCE

Light color: ☒ Warm white ☐ Neutral white ☐ Cool white

Light source: Power LED

Color temperature: ☐ 2700K ☒ 3000K ☐ 4000K ☐ 5700K

LED output : 210 lm // 2.1W // 100 lm/W @ 3000K 95+

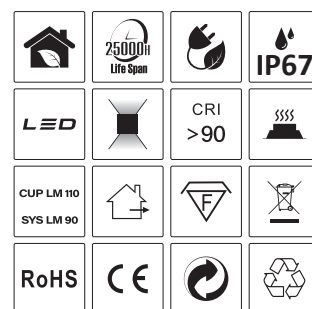
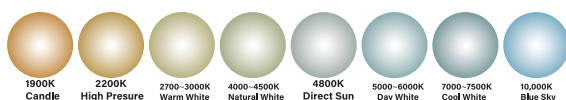
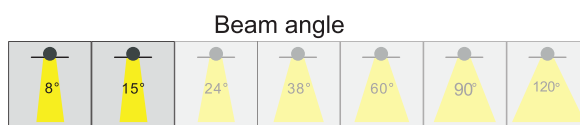
Luminaire output: 180 lm // 3W // 60 lm/W @ 3000K 95+

Color rendering index: ☐ 80+ ☐ 90+ ☒ 95+

Beam: ☒ 10° ☐ 15° ☐ 24° ☐ 36°

UGR: to be advised

Lifetime: 50,000 hrs



### LED IN-GROUND LUMINAIRE

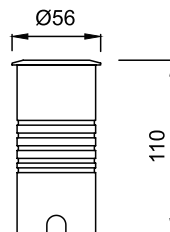
Model No.: DU-JGD101 ( Ref: 60-3-C01 )



IMAGE



IMAGE



Cut-out: Ø50

DRAWING

H (m)	DH (m)	3W/36°	EAV (lx)
1.0	0.55		175
2.0	1.10		44
3.0	1.66		19
4.0	2.21		11
5.0	2.76		7

Illuminance at a distance

### FEATURES

- Unique optic design with deeply recessed led realize much low glare and stylish inground luminaire family.
- Precise beam angle control at narrow 10° , 15 ° , 24 ° , 36 ° ; outstanding color rendering at 95 .
- Precisely sculpted from solid aluminum block as body and 316 stainless steel plate as frame.
- Durable materials and high quality waterproof solutions, for all rural inground mounted area.

### DESCRIPTION

Description: LED in-ground luminaire

Model No.: DU-JGD101

Power consumption: 3W

Driver: Integral constant current

Driver Model: SDC07004L-01

Input: 200-240VAC, 50-60Hz

Output: 3VDC, 700mA

Efficiency(Typ.): 70%

Power factor:

Dimensions: Ø56\*110mm

Cut-out: Ø50mm

Tilt adjustment angle: n.a.

Rotation adjustment angle: n.a.

Finish: Stainless steel + Black reflector

Main material: 316 stainless steel + Aluminum

Reflector: Plastic

Optical / Lens: Clear tempered glass + plastic len

Optional optic: n.a.

IP Rating: IP67

Mounting: In-ground

Operating temperature: - 25°C ~ + 65°C

Storage temperature: - 25°C ~ + 65°C

Dimmable: ☒ Non-dim ☐ Triac (phase cut)

☐ 0-10V ☐ DALI ☐ PWM ☐ DMX512

### LIGHT PERFORMANCE

Light color: ☒ Warm white ☐ Neutral white ☐ Cool white

Light source: Power LED

Color temperature: ☐ 2700K ☒ 3000K ☐ 4000K ☐ 5700K

LED output : 210 lm // 2.1W // 100 lm/W @ 3000K 95+

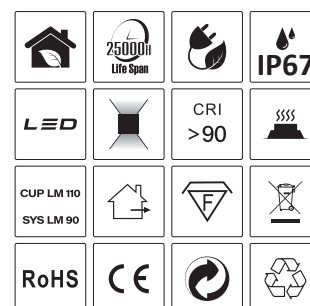
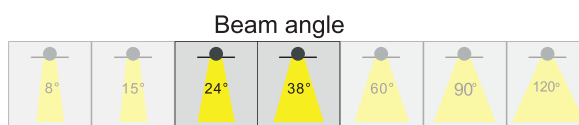
Luminaire output: 165 lm // 3W // 55 lm/W @ 3000K 95+

Color rendering index: ☐ 80+ ☐ 90+ ☒ 95+

Beam: ☐ 10° ☐ 15° ☐ 24° ☒ 36°

UGR: to be advised

Lifetime: 50,000 hrs



### LED IN-GROUND LUMINAIRE

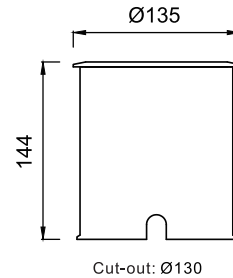
Model No.: DU-JGD201 ( Ref: 95-10-C01 )



IMAGE



IMAGE



DRAWING

H (m)	DH (m)	10W/15°	EAV (lx)
1.0	0.31		1752
2.0	0.62		438
3.0	0.93		195
4.0	1.24		110
5.0	1.56		70

Illuminance at a distance

### FEATURES

- Unique optic design with deeply recessed led realize much low glare and stylish inground luminaire family.
- Precise beam angle control at narrow 15 °, 24 °, 36 ° ; outstanding color rendering at 95 .
- Precisely sculpted from solid aluminum block as body and 316 stainless steel plate as frame.
- Durable materials and high quality waterproof solutions, for all rural inground mounted area.

### DESCRIPTION

Description: LED in-ground luminaire

Model No.: DU-JGD201

Power consumption: 10W

Driver: Integral constant current

Driver Model: SDC13006H-10

Input: 200-240VAC, 50-60Hz

Output: 6VDC, 1300mA

Efficiency(Typ.): 78%

Power factor:

Dimensions: Φ135\*144mm

Cut-out: Φ130mm

Tilt adjustment angle: n.a.

Rotation adjustment angle: n.a.

Finish: Stainless steel + Chrome reflector

Main material: 316 stainless steel + Aluminum

Reflector: Plastic

Optical / Lens: Clear tempered glass + plastic len

Optional optic: n.a.

IP Rating: IP67

Mounting: In-ground

Operating temperature: - 25°C ~ + 65°C

Storage temperature: - 25°C ~ + 65°C

Dimmable: ☒ Non-dim ☐ Triac (phase cut)

☐ 0-10V ☐ DALI ☐ PWM ☐ DMX512

### LIGHT PERFORMANCE

Light color: ☒ Warm white ☐ Neutral white ☐ Cool white

Light source: Power LED

Color temperature: ☐ 2700K ☒ 3000K ☐ 4000K ☐ 5700K

LED output : 780 lm // 7.8W // 100 lm/W @ 3000K 95+

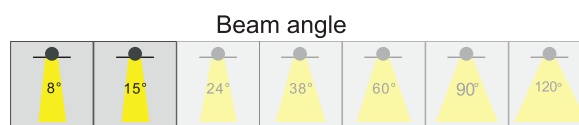
Luminaire output: 600 lm // 10W // 60 lm/W @ 3000K 95+

Color rendering index: ☐ 80+ ☐ 90+ ☒ 95+

Beam: ☒ 15° ☐ 24° ☐ 36°

UGR: to be advised

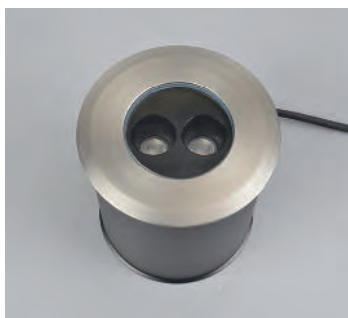
Lifetime: 50,000 hrs





### LED IN-GROUND LUMINAIRE

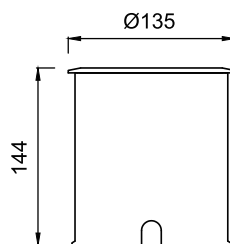
Model No.: DU-JGD201 ( Ref: 95-10-C01 )



IMAGE



IMAGE



Cut-out: Ø130

DRAWING

H (m)	DH (m)	10W/36°	EAV (lx)
1.0	0.59		520
2.0	1.19		130
3.0	1.78		58
4.0	2.38		33
5.0	2.97		21

Illuminance at a distance

### FEATURES

- Unique optic design with deeply recessed led realize much low glare and stylish in ground luminaire family.
- Precise beam angle control at narrow 15 ° , 24 ° , 36 ° ; outstanding color rendering at 95 .
- Precisely sculpted from solid aluminum block as body and 316 stainless steel plate as frame.
- Durable materials and high quality waterproof solutions, for all rural inground mounted area.

### DESCRIPTION

Description: LED in-ground luminaire

Model No.: DU-JGD201

Power consumption: 10W

Driver: Integral constant current

Driver Model: SDC13006H-10

Input: 200-240VAC, 50-60Hz

Output: 6VDC, 1300mA

Efficiency(Typ.): 78%

Power factor:

Dimensions: Φ135\*144mm

Cut-out: Φ130mm

Tilt adjustment angle: n.a.

Rotation adjustment angle: n.a.

Finish: Stainless steel + Black reflector

Main material: 316 stainless steel + Aluminum

Reflector: Plastic

Optical / Lens: Clear tempered glass + plastic len

Optional optic: n.a.

IP Rating: IP67

Mounting: In-ground

Operating temperature: - 25°C ~ + 65°C

Storage temperature: - 25°C ~ + 65°C

Dimmable: ☒ Non-dim ☐ Triac (phase cut)

☐ 0-10V ☐ DALI ☐ PWM ☐ DMX512

### LIGHT PERFORMANCE

Light color: ☒ Warm white ☐ Neutral white ☐ Cool white

Light source: Power LED

Color temperature: ☐ 2700K ☒ 3000K ☐ 4000K ☐ 5700K

LED output : 780 lm // 7.8W // 100 lm/W @ 3000K 95+

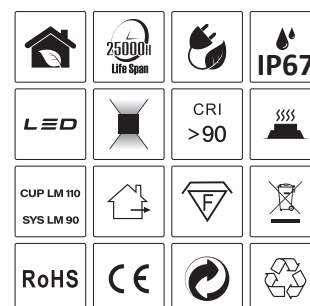
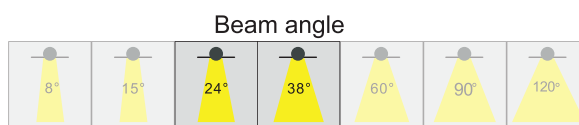
Luminaire output: 550 lm // 10W // 55 lm/W @ 3000K 95+

Color rendering index: ☐ 80+ ☐ 90+ ☒ 95+

Beam: ☐ 15° ☐ 24° ☒ 36°

UGR: to be advised

Lifetime: 50,000 hrs



### LED IN-GROUND LUMINAIRE

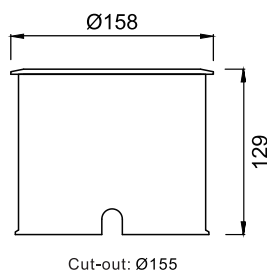
Model No.:DU-JGD401 ( Ref: 135-15-C02 )



IMAGE



IMAGE



DRAWING

H (m)	DH (m)	18W/15°	EAV (lx)
1.0	0.31		2495
2.0	0.62		624
3.0	0.92		277
4.0	1.23		156
5.0	1.54		100

Illuminance at a distance

### FEATURES

- Unique optic design with deeply recessed led realize much low glare and stylish inground luminaire family.
- Precise beam angle control at narrow 15 ° , 24 ° , 36 ° ; outstanding color rendering at 95 .
- Precisely sculpted from solid aluminum block as body and 316 stainless steel plate as frame.
- Durable materials and high quality waterproof solutions, for all rural inground mounted area.

### DESCRIPTION

Description: LED in-ground luminaire

Model No.: DU-JGD401

Power consumption: 18W

Driver: Integral constant current

Driver Model: SDC13012H-88

Input: 200-240VAC, 50-60Hz

Output: 12VDC, 1300mA

Efficiency(Typ.): 87%

Power factor:

Dimensions: Φ158\*129mm

Cut-out: Φ155mm

Tilt adjustment angle: n.a.

Rotation adjustment angle: n.a.

Finish: Stainless steel + Chrome reflector

Main material: 316 stainless steel + Aluminum

Reflector: Plastic

Optical / Lens: Clear tempered glass + plastic len

Optional optic: n.a.

IP Rating: IP67

Mounting: In-ground

Operating temperature: - 25°C ~ + 65°C

Storage temperature: - 25°C ~ + 65°C

Dimmable: ☒ Non-dim ☐ Triac (phase cut)

☐ 0-10V ☐ DALI ☐ PWM ☐ DMX512

### LIGHT PERFORMANCE

Light color: ☒ Warm white ☐ Neutral white ☐ Cool white

Light source: Power LED

Color temperature: ☐ 2700K ☒ 3000K ☐ 4000K ☐ 5700K

LED output : 1560 lm // 15.6W // 100 lm/W @ 3000K 95+

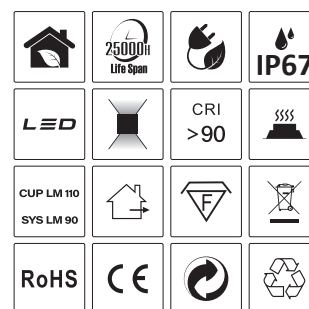
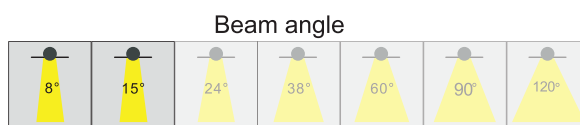
Luminaire output: 1080 lm // 18W // 60 lm/W @ 3000K 95+

Color rendering index: ☐ 80+ ☐ 90+ ☒ 95+

Beam: ☒ 15° ☐ 24° ☐ 36°

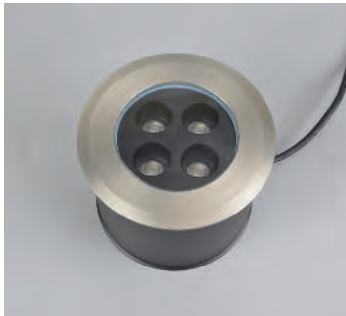
UGR: to be advised

Lifetime: 50,000 hrs

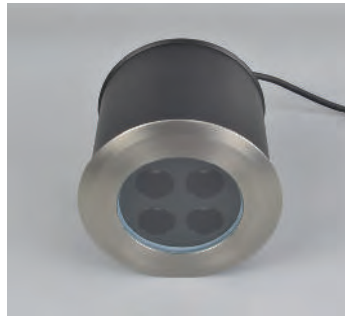


### LED IN-GROUND LUMINAIRE

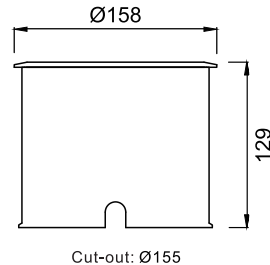
Model No.:DU-JGD401 ( Ref: 135-15-C02 )



IMAGE



IMAGE



DRAWING

H (m)	DH (m)	18W/36°	EAV (lx)
1.0	0.58		1031
2.0	1.16		258
3.0	1.74		115
4.0	2.32		64
5.0	2.89		41

Illuminance at a distance

### FEATURES

- Unique optic design with deeply recessed led realize much low glare and stylish inground luminaire family.
- Precise beam angle control at narrow 15 ° , 24 ° , 36 ° ; outstanding color rendering at 95 .
- Precisely sculpted from solid aluminum block as body and 316 stainless steel plate as frame.
- Durable materials and high quality waterproof solutions, for all rural inground mounted area.

### DESCRIPTION

Description: LED in-ground luminaire

Model No.: DU-JGD401

Power consumption: 18W

Driver: Integral constant current

Driver Model: SDC13012H-88

Input: 200-240VAC, 50-60Hz

Output: 12VDC, 1300mA

Efficiency(Typ.): 87%

Power factor:

Dimensions: Φ158\*129mm

Cut-out: Φ155mm

Tilt adjustment angle: n.a.

Rotation adjustment angle: n.a.

Finish: Stainless steel + Black reflector

Main material: 316 stainless steel + Aluminum

Reflector: Plastic

Optical / Lens: Clear tempered glass + plastic len

Optional optic: n.a.

IP Rating: IP67

Mounting: In-ground

Operating temperature: - 25°C ~ + 65°C

Storage temperature: - 25°C ~ + 65°C

Dimmable: ☒ Non-dim ☐ Triac (phase cut)

☐ 0-10V ☐ DALI ☐ PWM ☐ DMX512

### LIGHT PERFORMANCE

Light color: ☒ Warm white ☐ Neutral white ☐ Cool white

Light source: Power LED

Color temperature: ☐ 2700K ☒ 3000K ☐ 4000K ☐ 5700K

LED output : 1560 lm // 15.6W // 100 lm/W @ 3000K 95+

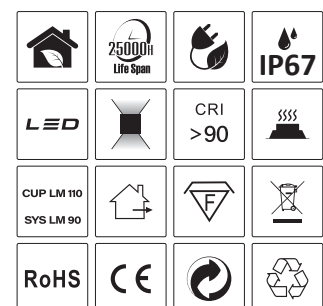
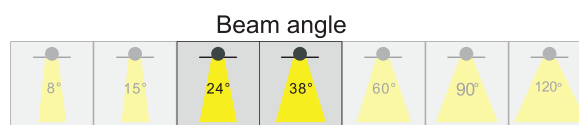
Luminaire output: 990 lm // 18W // 55 lm/W @ 3000K 95+

Color rendering index: ☐ 80+ ☐ 90+ ☒ 95+

Beam: ☐ 15° ☐ 24° ☒ 36°

UGR: to be advised

Lifetime: 50,000 hrs



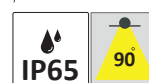




Model No: <b>DU-BL1502R</b>	Surface Treatment: BK
Power: 2W	Life Span: 30000H
Input Voltage: AC220-240V 50/60Hz	Material: Alum+Plastic
Luminous Flux: 130Lm	Working Temperature: -10~50° C
CRI: ≥80	IP: 65
Beam Angle: 90°	Body Size: Φ100*80mm
Color Temperature: 6500/4000/3000K/RGB_	Hole Size: /



Model No: <b>DU-WL1601R-2</b>	Surface Treatment: BK
Power: 2*1W	Life Span: 30000H
Input Voltage: AC220-240V 50/60Hz	Material: Alum+Plastic
Luminous Flux: 130Lm	Working Temperature: -10~50° C
CRI: ≥80	IP: 65
Beam Angle: 90°	Body Size: Φ100*80mm
Color Temperature: 6500/4000/3000K/RGB_	Hole Size: /



Model No: <b>DU-1102</b>	Surface Treatment: BK
Power: High power 1W	Life Span: 30000H
Input Voltage: AC100-240V 50/60Hz	Material: Alum+PC
Luminous Flux: 65Lm	Working Temperature: -10~60° C
CRI: ≥70	IP: 65
Beam Angle: 45°	Body Size: Φ42*96mm
Color Temperature: 6500/4000/3000K	Hole Size: Φ42mm



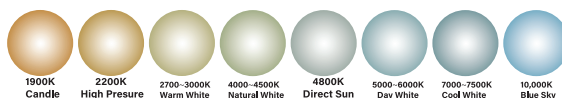
Model No: <b>DU-BL1701R</b>	Surface Treatment: BK
Power: 1W	Life Span: 25000H
Input Voltage: AC100-240V 50/60Hz	Material: Alum+Acrylic
Luminous Flux: ≥60Lm	Working Temperature: -10~50° C
CRI: ≥80	IP: 65
Beam Angle: 60°	Body Size: Φ27*67mm
Color Temperature: 6500/4000/3000K/RGB_	Hole Size: Φ27mm



Model No: <b>DU-BL1803R-1/2/4</b>	Surface Treatment: BK
Power: 3W	Life Span: 25000H
Input Voltage: AC100-240V 50/60Hz	Material: Alum+PC
Luminous Flux: 150Lm	Working Temperature: -10~50° C
CRI: ≥70	IP: 65
Beam Angle: 90°	Body Size: Φ42*83mm
Color Temperature: 6500/4000/3000K/RGB_	Hole Size: Φ42mm

Optional Integrated Dimmable Driver / 1-10V/DIMX/DALI/TRIAC

LED Drivers - **PHILIPS** **GTI**  
**MTI** **TRIDONIC**

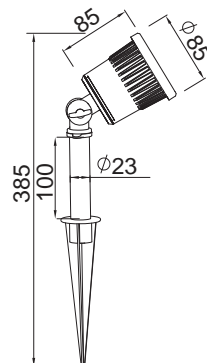


LED Chips - **PHILIPS** **CITIZEN**  
**BRIDGELUX**, **CREE**, **SHARP**, **SAMSUNG**

# DELUX

LIGHTING



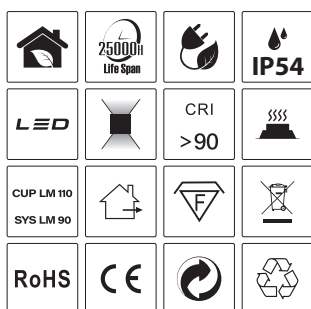
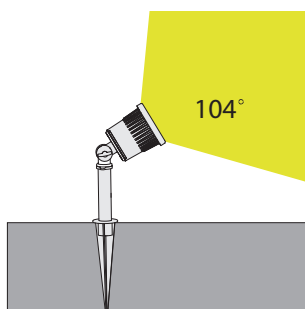


DU8091 gr

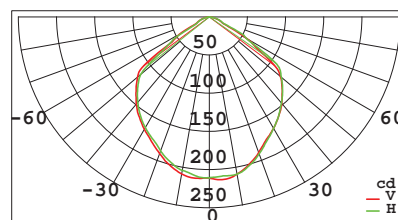
This LED garden spot will put all your trees, bushes and ornaments in the spotlight and create a dramatic scenery.

CLASS I   
IP54  
LED 5.5W   
Die Cast Aluminum

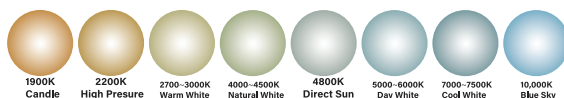
A<sup>+</sup>



h(m)	Eavg(lx)	Emax(lx)	D(m)
1	70.71	217.0	2.57
2	17.68	54.26	5.14
3	7.856	24.11	7.72
4	4.419	13.56	10.3
5	2.828	8.681	12.9



Optional Integrated Dimmable Driver / 1-10 / DMX / DALI / TRIAC  
LED Drivers - PHILIPS



LED Chips - PHILIPS   
BRIDGELUX, CREE

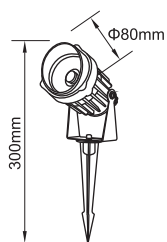




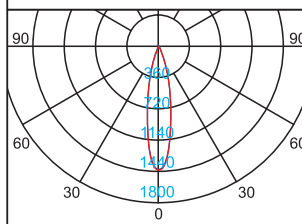
Model No: <b>DU-IL1915R</b>	Surface Treatment: BK
Power: COB 15W	Life Span: 30000H
Input Voltage: AC100-240V 50/60Hz	Material: Alum+PMMA
Luminous Flux: 1200Lm	Working Temperature: -10~50° C
CRI: ≥70	IP: 65
Beam Angle: 20°	Body Size: Φ80*162*300mm
Color Temperature: 6500/4000/3000K/RGB-	Hole Size: /



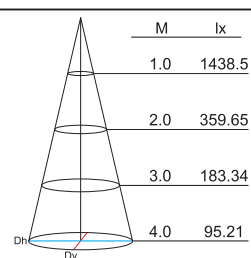
DU-IL1915R



Imax=1440cd



Lx/m



### Products list

Model No.	Power	Luminous Flux	Beam angle	Surface	Body Size
DU-IL1915R	COB 15W	1200Lm	20°	BK	Φ80x162x300mm
DU-IL1925R	COB 25W	2300Lm	18°	BK	Φ110x176x360mm

Model No: **DU-IL0205R**

Surface Treatment: BK

Power: COB 5W

Life Span: 25000H

Input Voltage: AC100-240V 50/60Hz

Material: Alum+Fe+PC

Luminous Flux: 420Lm

Working Temperature: -10~50° C

CRI: ≥70

IP: 65

Beam Angle: 30°

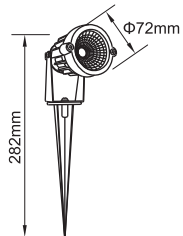
Body Size: Φ72\*282mm

Color Temperature: 6500/4000/3000K/RGB-

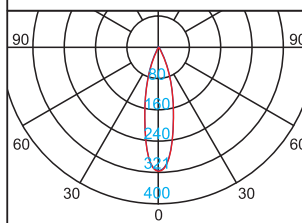
Hole Size: /



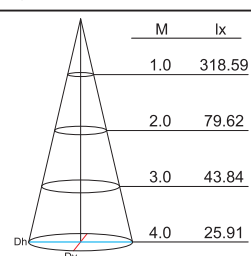
DU-IL0205R



Imax=321cd



Lx/m



### Products list

Model No.	Power	Luminous Flux	Beam angle	Surface	Body Size
DU-IL0205R	COB 5W	420Lm	30°	BK	Φ72x282mm
DU-IL0209R-B	COB 9W	550Lm	30°	BK	Φ60x260mm
DU-IL0209R	COB 9W	630Lm	30°	BK	Φ105x380mm

### EXPLORER

Elegant & compact spotlight on spike with integrated WiZ connected light module. orientable horizontally & vertically. featuring a warm white LED light beam. Comes with a separate spot-cap, which can be used to direct the light beam and avoiding any glare.

### General information

Item Number :	6609205118
Light Type :	Spot Light
Fixture material :	HEAVY-DUTY ALUMINIUM
Diffusor material :	679.0
Fixture Color :	Dark Grey
EAN number :	6939412085722
Warranty :	5 Years

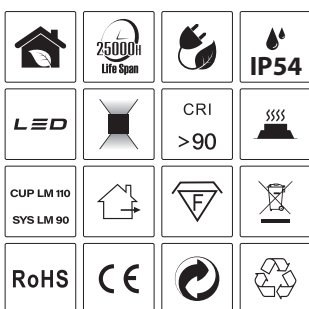
### Ligtengine

Fitting :	LED
Lamps included :	Yes
Lumen :	430
Watts :	7.0 W
CRI :	80
Energy Efficiency :	<b>A<sup>+</sup></b>
Light Color :	

### EXPLORER

### Technical Specifications

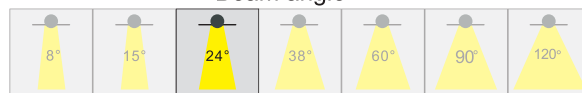
IP Rating :	54
Electrical Protection :	Class I
Mains power supply :	220 - 240 V 50 / 60 Hz
Ambient temperature :	-20° to 50°

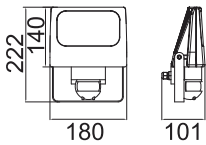


### Dimensions

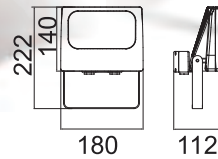
Width :	91 mm
Length :	90 mm
Height :	430 mm

### Beam angle

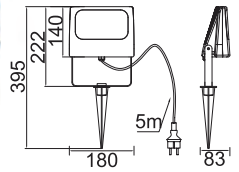




DU6170-PIR si



DU6170 si



DU6170-SP

Very classy LED floodlight in silver grey finish. The layout of the 8 powerful LEDs in the perforated aluminium reflector gives an extra design touch. The PIR motion sensor and spike version make the series complete.



CLASS II  $\text{CE}$   
IP54  
LED 24W   
Die Cast Aluminum

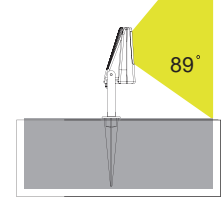
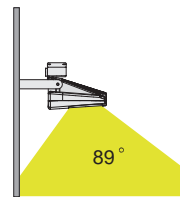
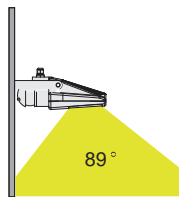
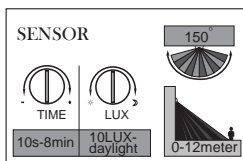
A+

CLASS II  $\text{CE}$   
IP54  
LED 24W   
Die Cast Aluminum



CLASS II  $\text{CE}$   
IP54  
LED 24W   
Die Cast Aluminum

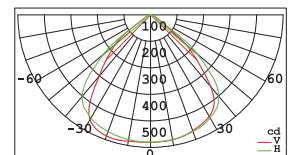
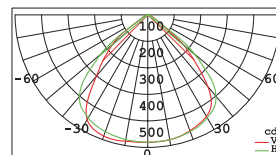
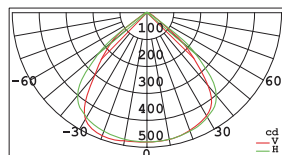
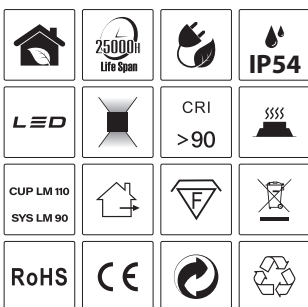
A+



h(m)	Eavg(lx)	Emax(lx)	D(m)
1	238.7	481.1	2.01
2	59.67	120.3	4.02
3	26.52	53.46	6.02
4	14.92	30.07	8.03
5	9.547	19.25	10

h(m)	Eavg(lx)	Emax(lx)	D(m)
1	238.7	481.1	2.01
2	59.67	120.3	4.02
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1	238.7	481.1	2.01
2	59.67	120.3	4.02
3	26.52	53.46	6.02
4	14.92	30.07	8.03
5	9.547	19.25	10









Use only in permanent immersion in water as to avoid damaging to LED!

### Parameter

#### General Data

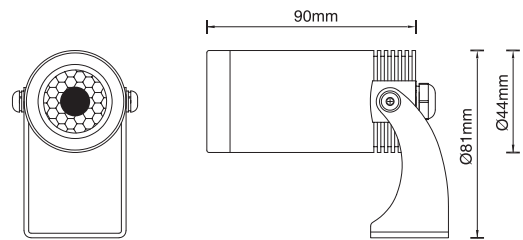
Item No.	DUSL-1010-0800-A
Power	8 Watts
LED type	1 PC 8W CREE COB LED
Luminous flux	500~550 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	15°, 24°, 36°, 60°
Dimension	Ø44 x 90 (mm) Diameter x length
Cut out	/

Net weight	0.7 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC12V
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Low voltage input, constant current output, excluding the transformer

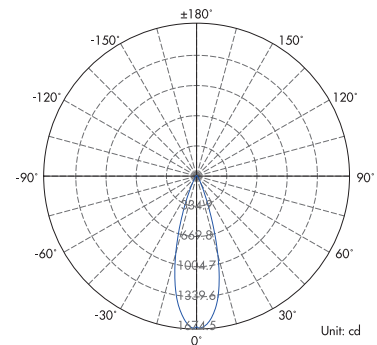
#### Construction Data

IP rating	IP68 Waterproof
IK rating	IK04
Housing	Stainless steel 316
Protection finishing	Stainless steel 316
Trim	Stainless steel 316
Glass	Tempered Glass. T=2mm.
Loading capacity	220 kgs
Cable Gland	PG gland
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	PVC spike as optional
Round base	With SS304 round base as optional

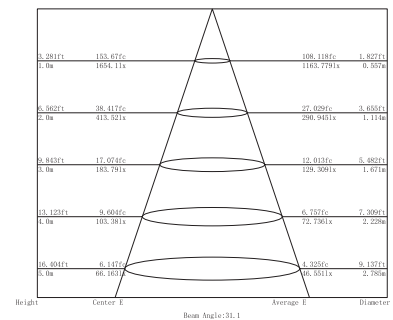
### Dimension



### Light Distribution Curve (3000K, 36°)



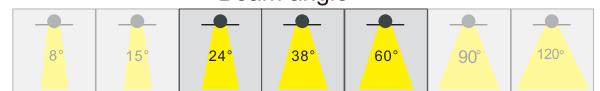
### Lux distance Curve (3000K, 36°)



### Illumination Picture ( 36°)



### Beam angle





# GARDEN SPOT LIGHTS

SERIES

## Products Features

These products are designed with solid 6063 Aluminum housing CNC machined for better cooling performance, with passivated (anodizing) anti-corrosion finishing for housing, optics PMMA lens or reflector with wonderful light output, tempered glass for high loading capacity, silicone gasket and cable gland for waterproof IP67 and high quality CREE LED, EPISTAR LED.

We make several series of garden spot lights to meet different application with different power, color, beam angle, and the spot lights with replaceable GU10 lamp or MR16 lamp are available.

These products are with CE, RoHS certifications, and the SAA, PSE, UL or ETL certifications will be available in the coming future.

## Application

These lights are widely used in the exterior or interior application, such as lighting columns, walls, architectural features, landscape features for the hotel, the garden, the park, the trees, the flowers etc.

IP67 IK04





Specialized in Exterior LED Lighting





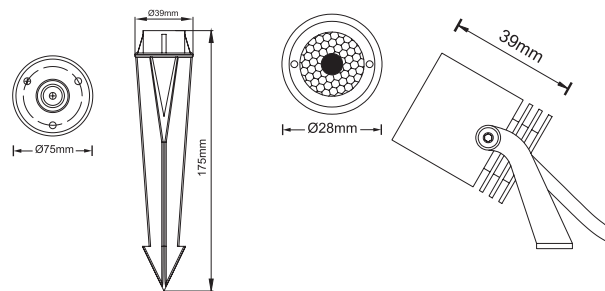
IP67 IK04

### Parameter

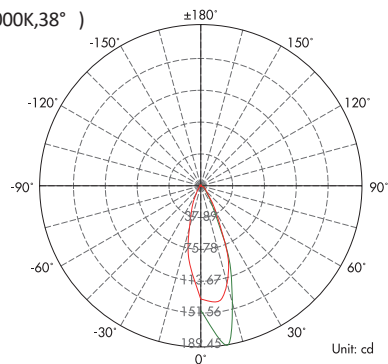
General Data	
Item No.	DU-1004-0300-A
Power	3 Watts (1 watt as optional)
LED type	1 PC 3W CREE XPE LED (1W LED as optional)
Luminous flux	90~100 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	15°, 25°, 38°, 45°, 60°
Dimension	28 x 39 (mm) Diameter x Height
Cut out	/
Net weight	0.097 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC12V/DC24V
Insulation class	Class III
Cable	1PC PVC cable 1M H05RN-F 2x1mm square
Driver	Low voltage constant current output, excluding the transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey, black or silver color
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=4mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	With PVC spike as spike spot lights (Standard)
Round base	With SS304 round base for wall mounting (optional)



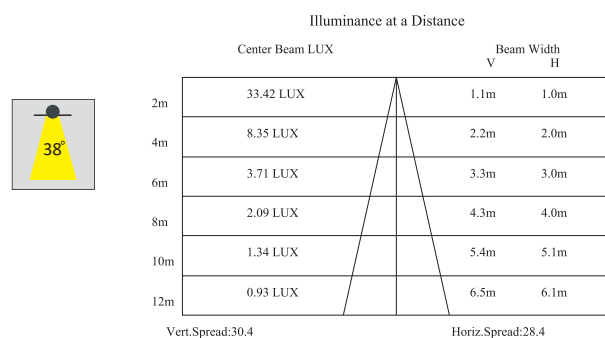
### Dimension



### Light Distribution Curve (3000K, 38°)



### Lux distance Curve (3000K, 38°)



### Illumination Picture (38°)





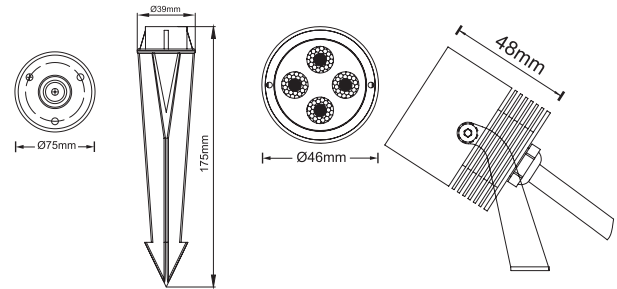
IP67 IK04

### Parameter

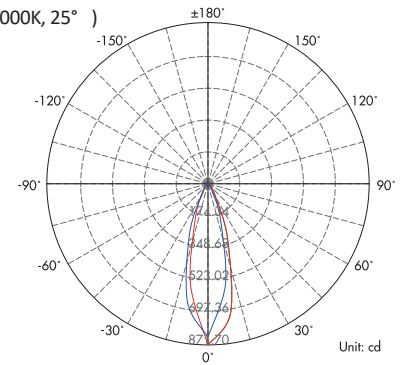
General Data	
Item No.	DU-4002-0400-A
Power	4 Watts
LED type	4 PCS 1W CREE XPE LED
Luminous flux	320~370 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	25°, 40°, 60°
Dimension	46x48 (mm) Diameter x Height
Cut out	/
Net weight	0.246 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC24V
Insulation class	Class III
Cable	1PC rubber cable 1M H05RN-F 2x1mm square
Driver	Low voltage constant current output, excluding the transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey, black or silver color
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=4mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	With PVC spike as spike spot lights (Standard)
Round base	With SS304 round base for wall mounting (optional)



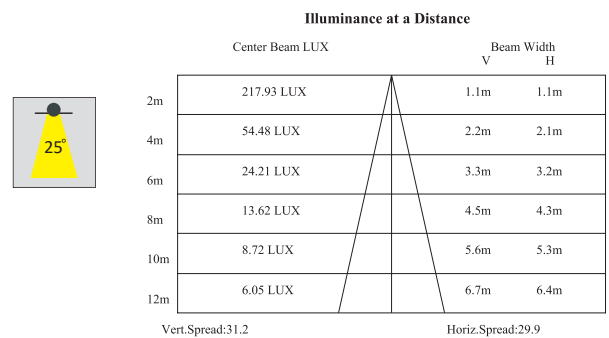
### Dimension



### Light Distribution Curve (3000K, 25°)



### Lux distance Curve (3000K, 25°)



### Illumination Picture (25°)







IP67 IK04

### Parameter

#### General Data

Item No.	DU-1010-0500-BH
Power	5 Watts
LED type	1 PC 5W CREE COB LED
Luminous flux	350~400 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	Reflector 15°, 25°, (38° optional) (lens 15°, 24°, 36°, 60°+honey comb optional)
Dimension	42 x 77 (mm) Diameter x Height
Cut out	/
Net weight	0.29 kgs
Warranty	3 years
Certifications	CE, RoHS

#### Electrical Data

Input voltage	AC95-265V as standard ( DC 12V or DC 24V as optional)
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer

#### Construction Data

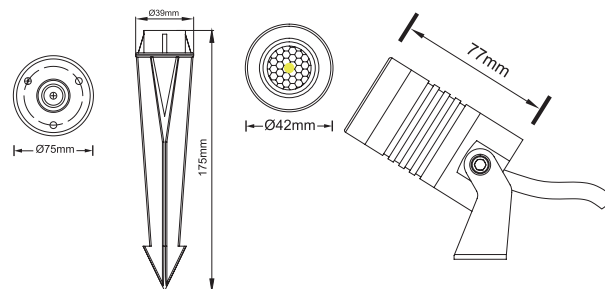
IP rating	IP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey standard, silver color as options.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=3mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal

#### Accessories

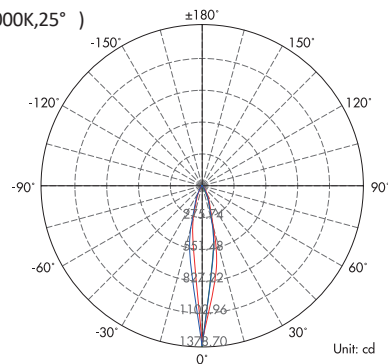
Spike	With PVC spike as spike spot lights (Standard)
Round base	With SS304 round base for wall mounting (optional)



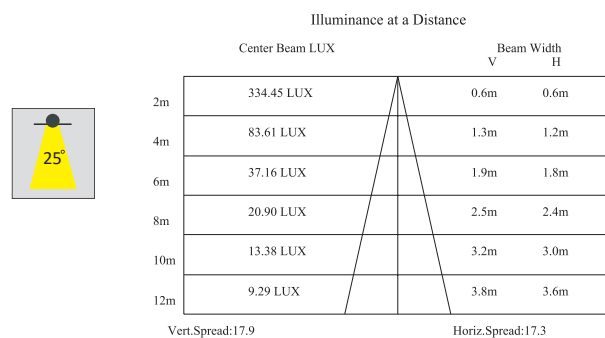
### Dimension



### Light Distribution Curve (3000K, 25°)



### Lux distance Curve (3000K, 25°)



### Illumination Picture (25°)













## Up Lights Spike

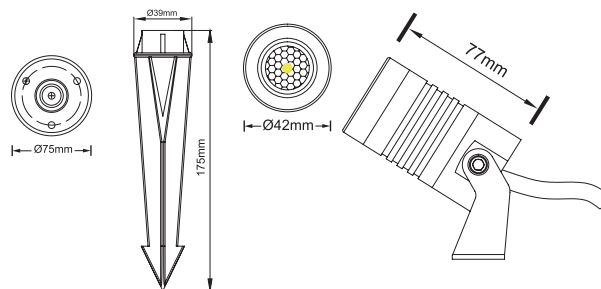


IP67 IK04

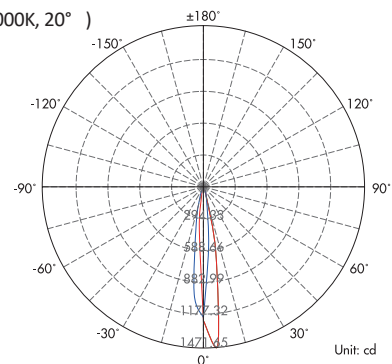
## Parameter

General Data							
Item No.	DU-1010-0500-CH						
Power	3 Watts						
LED type	1 PC 3W CREE XPE LED						
Luminous flux	110~130 lm						
CCT	2700K, 3000K, 4000K, 6000K						
CRI	80+						
Beam angle	20°, 30°, 40°, 60°						
Dimension	42 x 77 (mm) Diameter x Height						
Cut out	/						
Net weight	0.29 kgs						
Warranty	3 years						
Certifications	CE, RoHS						
Electrical Data							
Input voltage	AC95-265V						
Insulation class	Class I						
Cable	1PC rubber cable 1M H05RN-F 3x1mm square						
Driver	Built-in high voltage constant current driver with transformer						
Construction Data							
IP rating	IP67 Waterproof						
IK rating	IK04						
Housing	Solid Passivated (Anodizing) Aluminum CNC machined						
Protection finishing	20~25µm thickness anodized film for housing. Silver color standard, dark grey color as options.						
Trim	Passivated (Anodizing) Aluminum						
Glass	Step tempered Glass. T=3mm.						
Loading capacity	220 kgs						
Cable Gland	PG7 IP67						
Gasket	O-ring PMQ silicone seal						
Accessories							
Spike	With PVC spike as spike spot lights (Standard)						
Round base	With SS304 round base for wall mounting (optional)						
CUP LM 110 SYS LM 90							
RoHS	CE			LED		CRI >90	IK04

## Dimension



Light Distribution Curve (3000K, 20° )



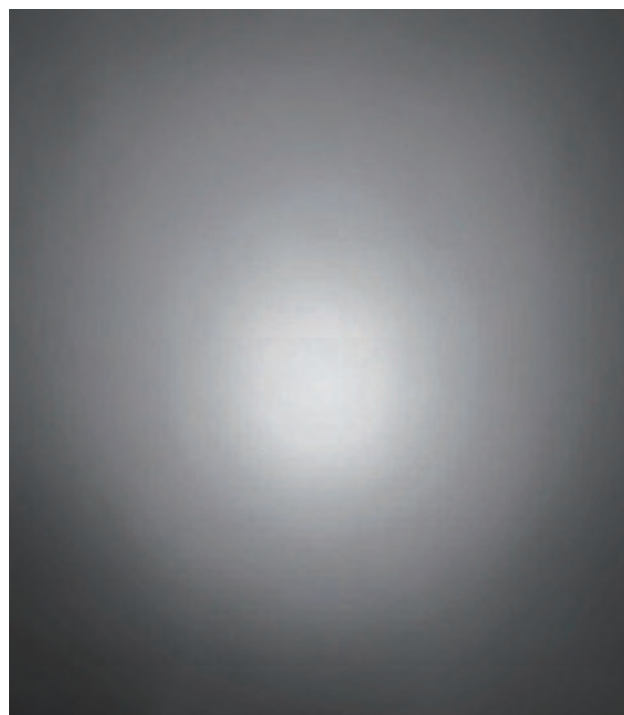
Lux distance Curve (3000K, 20° )

### Illuminance at a Distance

	Center Beam LUX	Beam Width V H	
2m	308.51 LUX	0.4m	0.4m
4m	77.13 LUX	0.9m	0.8m
6m	34.28 LUX	1.3m	1.3m
8m	19.28 LUX	1.7m	1.7m
10m	12.34 LUX	2.2m	2.1m
12m	8.57 LUX	2.6m	2.5m

Vert.Spread:12.4 Horiz.Spread:12.0

## Illumination Picture (20°)





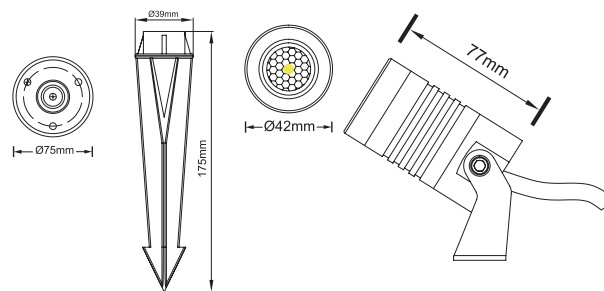
IP67 IK04

### Parameter

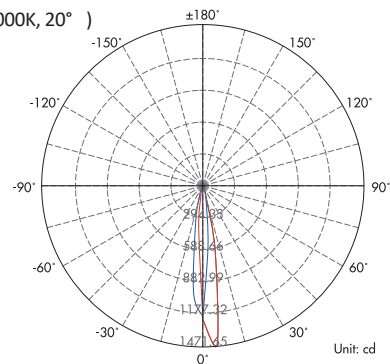
General Data	
Item No.	DU-1010-0500-CH
Power	5 Watts
LED type	1 PC 5W LG LED
Luminous flux	330~360 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	20°, 30°, 40° 60°
Dimension	42 x 77 (mm) Diameter x Height
Cut out	/
Net weight	0.29 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC95-265V
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. silver color standard, dark grey color as options.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=3mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	With Aluminium spike as spike spot lights (Standard)
Round base	With SS304 round base for wall mounting (optional)



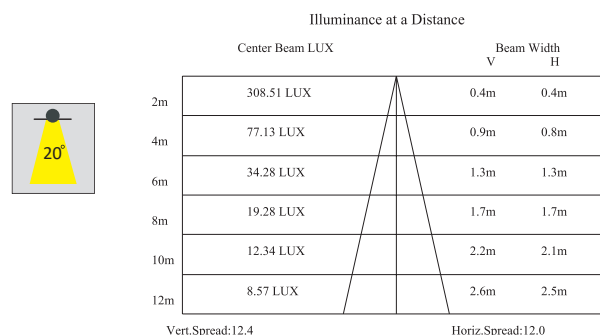
### Dimension



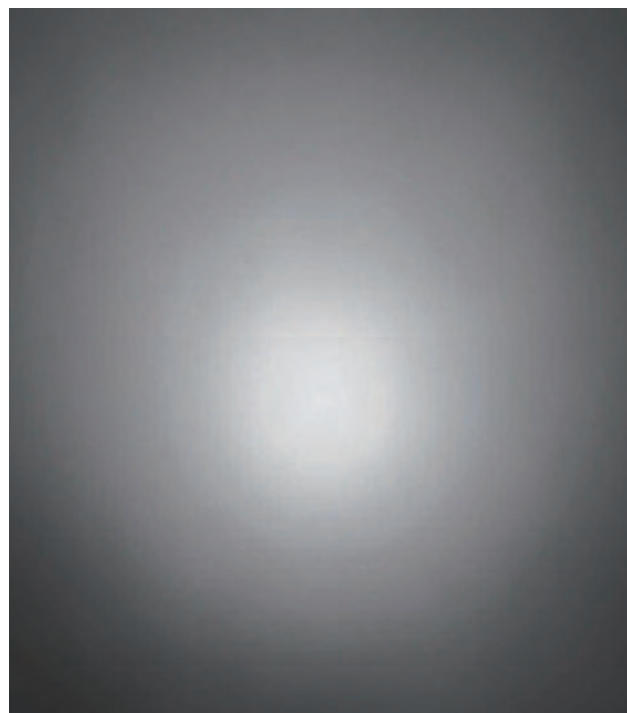
### Light Distribution Curve (3000K, 20° )



### Lux distance Curve (3000K, 20° )



### Illumination Picture (20°)







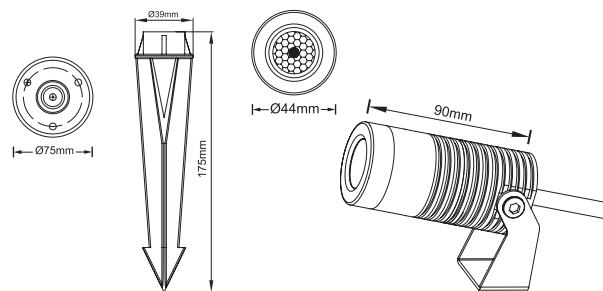
IP67 IK04

### Parameter

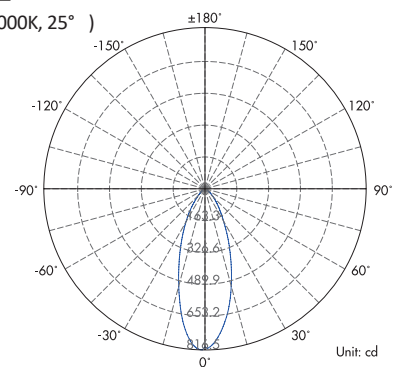
General Data	
Item No.	DU-1010-0800-AH / UL-1010-0800-BH
Power	8 Watts
LED type	1 PC 8W CREE COB LED
Luminous flux	560~640 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	Reflector 10°, 23°, 38° ( lens 15°, 24°, 36°, 60°+honey comb optional) ( lens 4° optional )
Dimension	44 x 90 (mm) Diameter x Height
Cut out	/
Net weight	0.39 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC95-265V sa standard (DC 12V or DC 24V as optional)
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IIP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey standard, silver color as options.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=3mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	With PVC spike as spike spot lights (Standard)
Round base	With SS304 round base for wall mounting (optional)



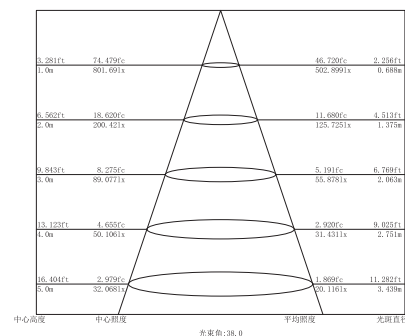
### Dimension



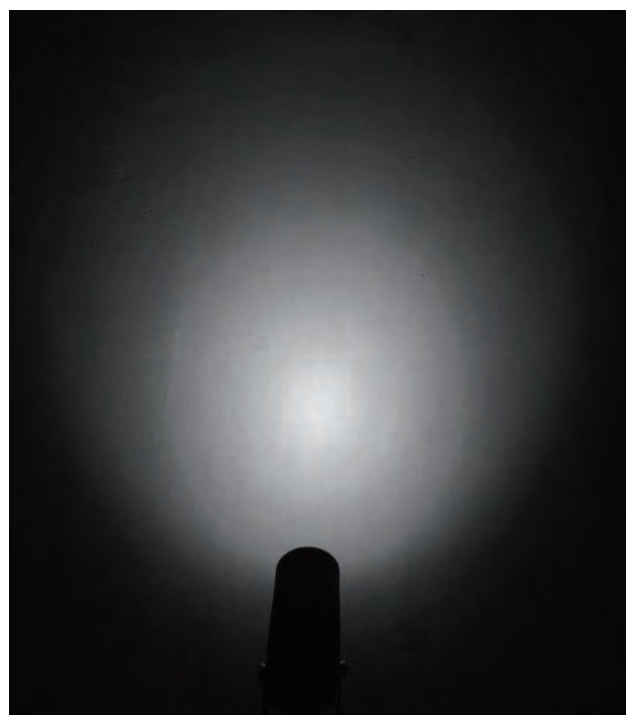
### Light Distribution Curve (3000K, 25° )



### Lux distance Curve (3000K, 25° )



### Illumination Picture (25°)





IP67 IK04

### Parameter

#### General Data

Item No.	DU-1012-1200-AH
Power	12 Watts
LED type	1 PC 12W CREE COB LED
Luminous flux	1150~1250 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	Reflector 25°, 40°, 60° ( lens 10°23°36° + honey comb optional )
Dimension	61 x 113 (mm) Diameter x Height
Cut out	/
Net weight	0.5 kgs
Warranty	3 years
Certifications	CE, RoHS

#### Electrical Data

Input voltage	AC95-265V
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer

#### Construction Data

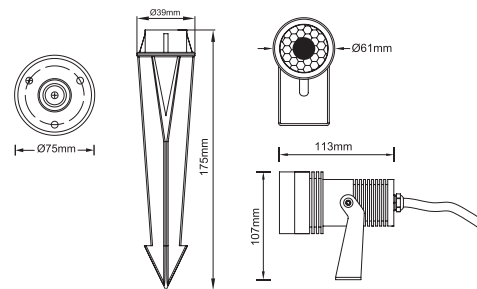
IP rating	IP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey standard, silver color as options.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=3mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal

#### Accessories

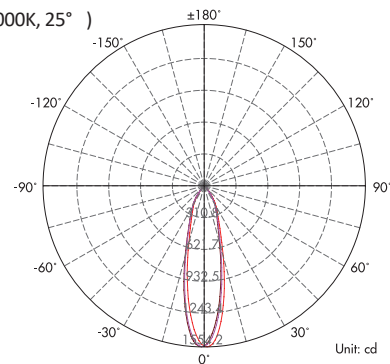
Spike	With PVC spike as spike spot lights (Standard)
Round base	With SS304 round base for wall mounting (optional)



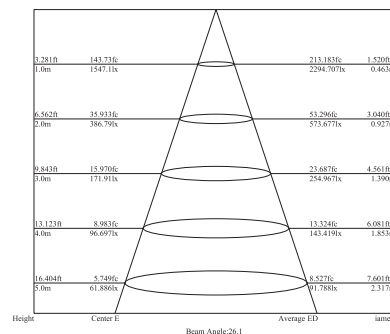
### Dimension



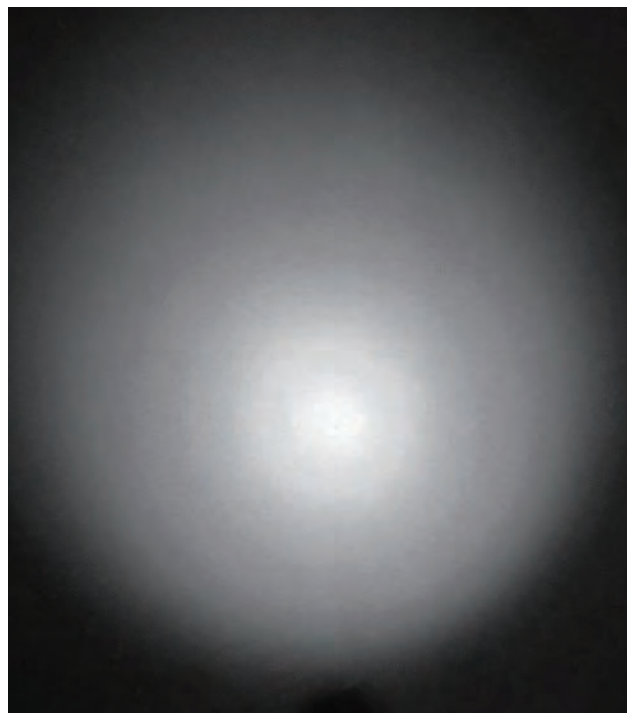
### Light Distribution Curve (3000K, 25° )



### Lux distance Curve (3000K, 25° )



### Illumination Picture (25°)





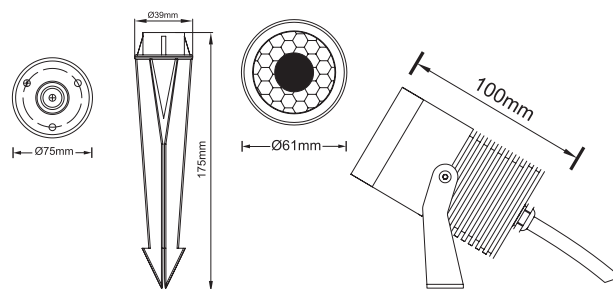
IP67 IK04

### Parameter

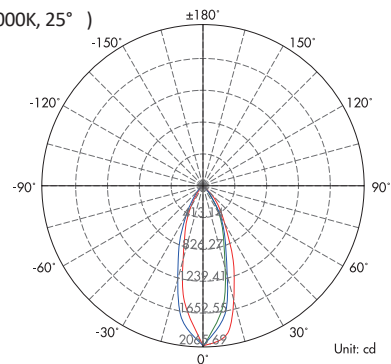
General Data	
Item No.	DU-15W-COB-1500-BH
Power	15 Watts
LED type	1 PC 15W CREE COB LED
Luminous flux	1200~1350 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	25°, 38°, 60° (lens 10° 23° 36° + honey comb optional)
Dimension	61 x 100 (mm) Diameter x Height
Cut out	/
Net weight	0.58 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC95-265V
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey standard, silver color as options.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=3mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	With PVC spike as spike spot lights (Standard)
Round base	With SS304 round base for wall mounting (optional)



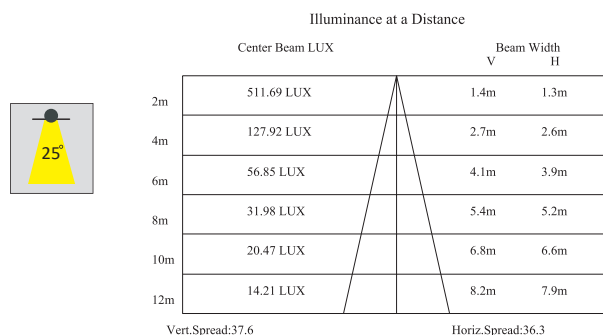
### Dimension



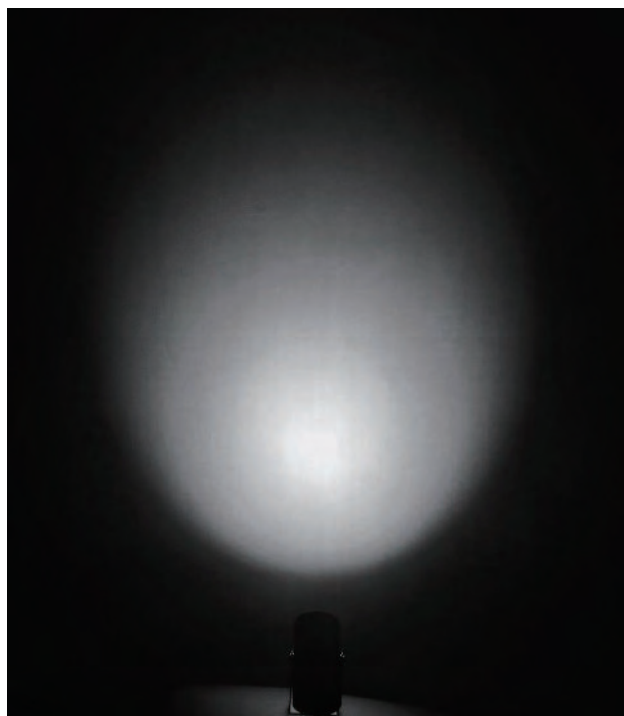
### Light Distribution Curve (3000K, 25°)



### Lux distance Curve (3000K, 25°)



### Illumination Picture (25°)





## Up Lights Spike



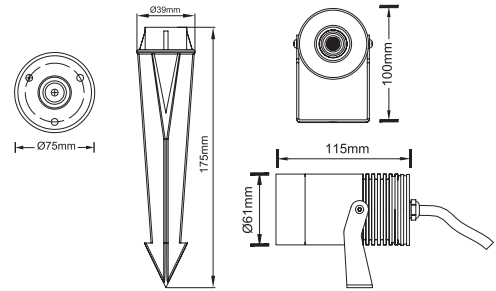
IP67 IK04

## Parameter

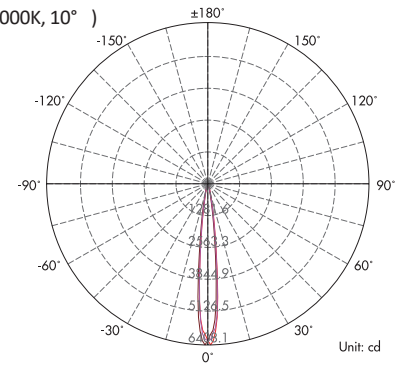
General Data	
Item No.	DU-1019-1200-AH
Power	12 Watts
LED type	1 PC 12W CREE XHP35 LED
Luminous flux	960~1000 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	4°
Dimension	61 x 115 (mm) Diameter x Height
Cut out	/
Net weight	0.58 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC100-265V
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey standard, silver color as options.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=3mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	With PVC spike as spike spot lights (Standard)
Round base	With SS304 round base for wall mounting (optional)

CUP LM 110 SYS LM 90							
RoHS				LED		CRI >90	IK04

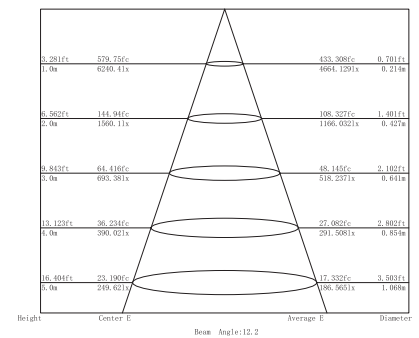
## Dimension



Light Distribution Curve (3000K, 10° )



Lux distance Curve (3000K, 10° )



## Illumination Picture (10°)





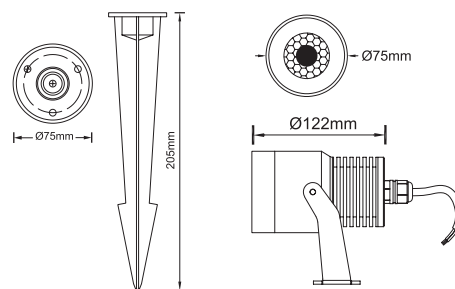
IP67 IK04

### Parameter

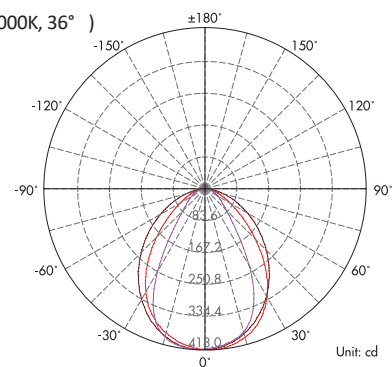
General Data	
Item No.	DU-8W-COB-AH / UL-8W-COB-0800-AH
Power	8 Watts /12 watts
LED type	1 PC 8W CREE COB LED / 1 PC 12W CREE COB LED
Luminous flux	500~550 lm / 960~1000lm for 12W
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	24°, 36°, 60°
Dimension	75*122 (mm) Diameter x Height
Cut out	/
Net weight	1.27 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC100-265V as standard (DC 12V or DC 24V as optional)
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey standard, silver color as options.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=3mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	With Aluminium spike as spike spot lights (Standard)
Round base	With SS304 round base for wall mounting (optional)



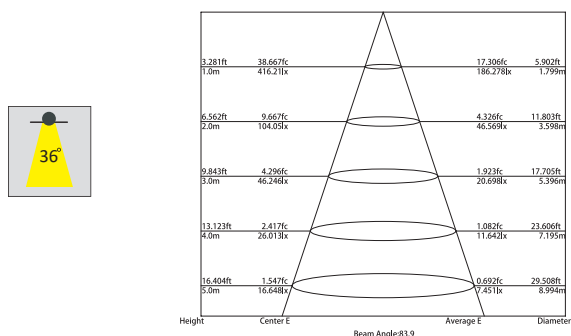
### Dimension



### Light Distribution Curve (3000K, 36°)



### Lux distance Curve (3000K, 36°)



### Illumination Picture (36°)





IP67 IK04

### Parameter

#### General Data

Item No.	DU-25W-COB-2500-BH
Power	25 Watts
LED type	1 PC 25W CREE COB LED
Luminous flux	2100~2300 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	15°, 23°, 38°, 45°, 60°
Dimension	89*145 (mm) Diameter x Height
Cut out	/
Net weight	1.37 kgs
Warranty	3 years
Certifications	CE, RoHS

#### Electrical Data

Input voltage	AC100-265V as standard (DC 24V as optional)
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer

#### Construction Data

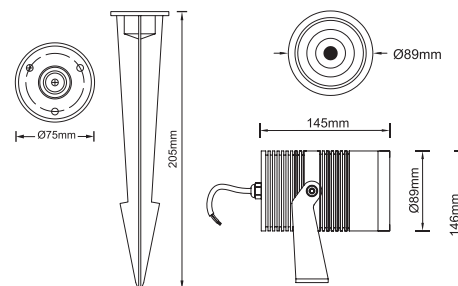
IP rating	IP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey standard, silver color as options.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=4mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal

#### Accessories

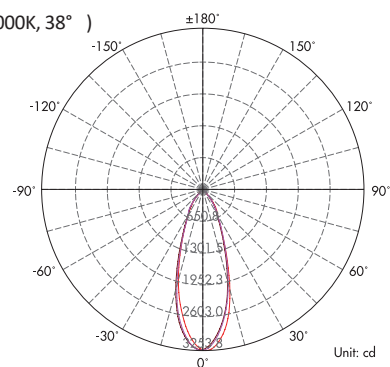
Spike	With Aluminium spike as spike spot lights (Standard)
Round base	With SS304 round base for wall mounting (optional)



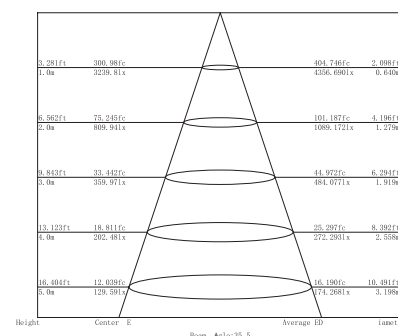
### Dimension



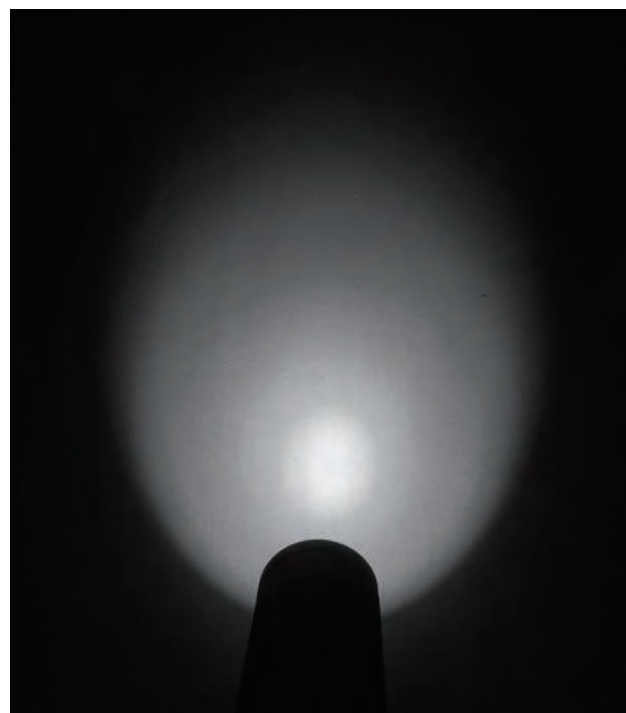
### Light Distribution Curve (3000K, 38°)



### Lux distance Curve (3000K, 38°)



### Illumination Picture (38°)







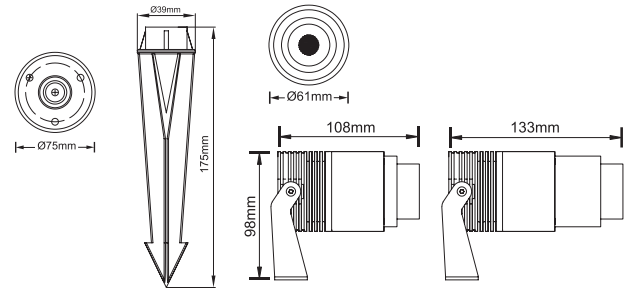
IP67 IK04

### Parameter

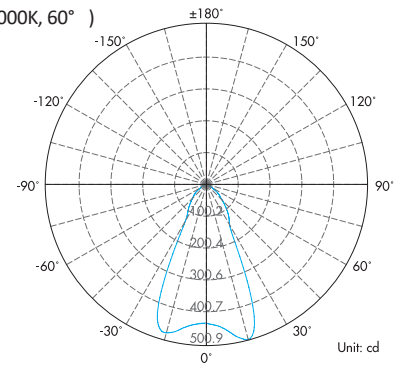
General Data	
Item No.	DU-12W-COB-1200-BH
Power	12 Watts
LED type	1 PC 12W CREE COB LED
Luminous flux	500~550 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	Zoom 10° to 60° adjustable
Dimension	61 x 133 (mm) Diameter x Height
Cut out	/
Net weight	0.62 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC95-265V
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey standard, silver color as options.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=3mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	With PVC spike as spike spot lights (Standard)
Round base	With SS304 round base for wall mounting (optional)



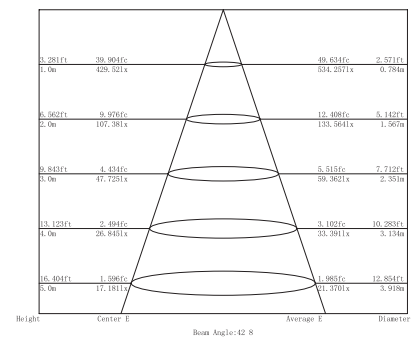
### Dimension



### Light Distribution Curve (3000K, 60°)



### Lux distance Curve (3000K, 60°)



### Illumination Picture (60°)





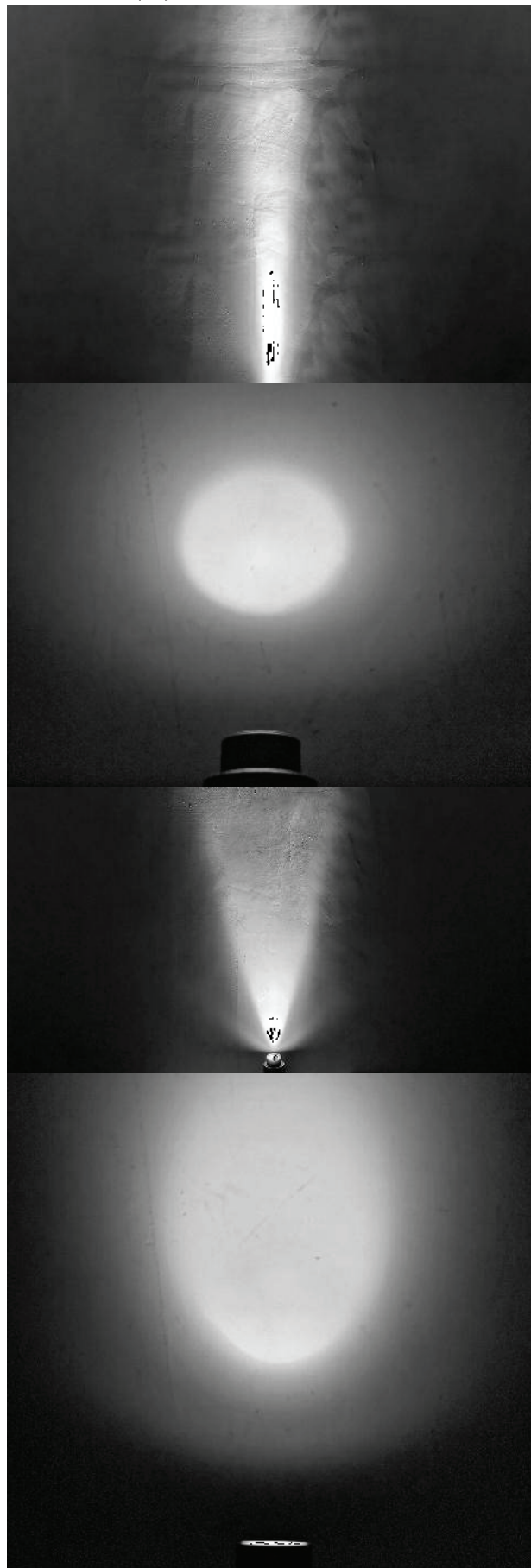
IP67 IK04

### Parameter

General Data	
Item No.	DU-18W-COB-1800-FH
Power	18 Watts +10%
LED type	1 PC 18W TOYONIA COB LED
Luminous flux	10°: 290 lm +10%, 40°: 650 lm +10%
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	Zoomable 10° to 40° adjustable
Dimension	/
Cut out	/
Net weight	/ kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC100~265V
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	High voltage constant current output, with the transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey
Trim	Passivated (Anodizing) Aluminum
Glass	Tempered Glass. T=2mm.
Loading capacity	220 kgs
Cable Gland	PG gland
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	With Aluminium spike optional
Round base	With SS304 round base optional



Illumination Picture (38°)





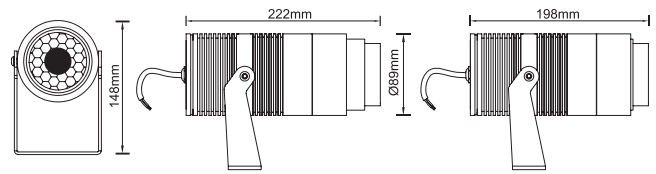
IP67 IK04

### Parameter

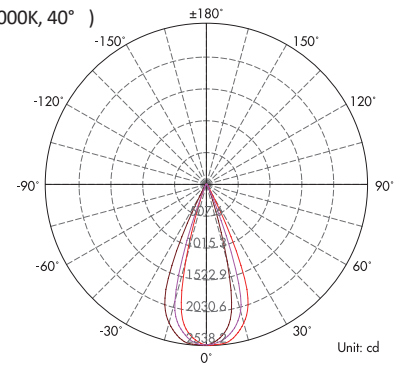
General Data	
Item No.	DU-25W-COB-2500-FH(PULL)
Power	25 Watts +10%
LED type	1 PC 25W TOYONIA COB LED
Luminous flux	10°: 600 lm +10%, 40°: 920 lm +10%
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	Zoomable 10° to 40° adjustable
Dimension	Ø89 x 222 (mm) Diameter x length
Cut out	/
Net weight	1.72 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC100~265V
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	High voltage constant current output, with the transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25µm thickness anodized film for housing. Dark grey
Trim	Passivated (Anodizing) Aluminum
Glass	Tempered Glass. T=2mm.
Loading capacity	220 kgs
Cable Gland	PG gland
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	With Aluminium spike optional
Round base	With SS304 round base optional



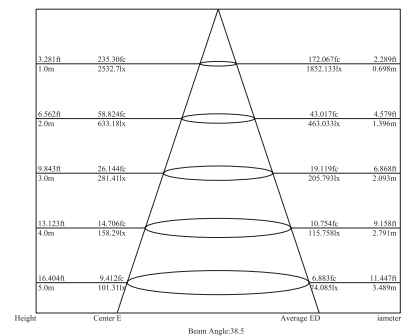
### Dimension



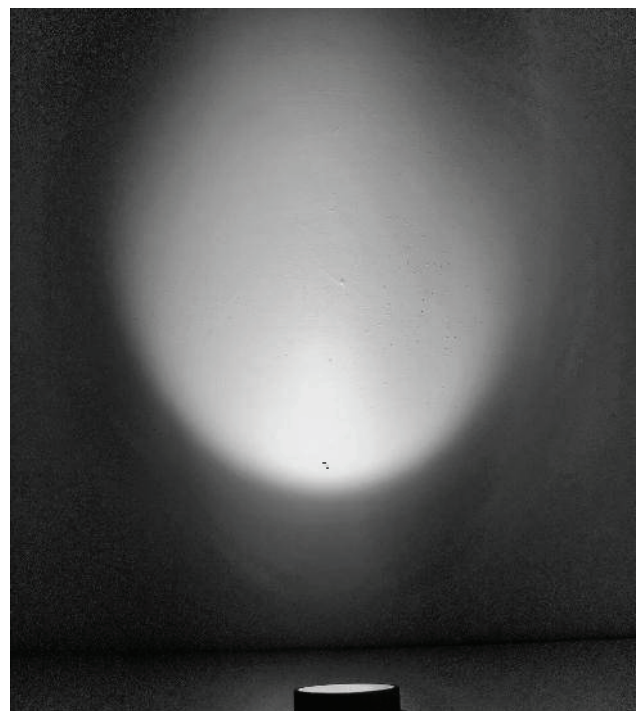
### Light Distribution Curve (3000K, 40°)



### Lux distance Curve (3000K, 40°)



### Illumination Picture (40°)







IP67 IK04

### Parameter

#### General Data

Item No.	DU-8W-COB-0800-FH
Power	8 watts $\pm 10\%$
LED type	1 PC 8W TOYONIA COB LED
Luminous flux	10°:200~250, 40°:360~400 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	Zoomable 10° to 40° adjustable
Dimension	52 x 103 (mm) Diameter x Height
Cut out	/
Net weight	0.46 kgs
Warranty	3 years
Certifications	CE, RoHS

#### Electrical Data

Input voltage	AC100~245V as standard (DC24V as options)
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer

#### Construction Data

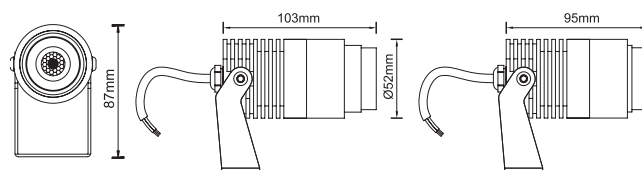
IP rating	IP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25 $\mu$ m thickness anodized film for housing. Dark grey as standard, silver color, black color, or powder coated painted in white color as options.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=2mm
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal

#### Accessories

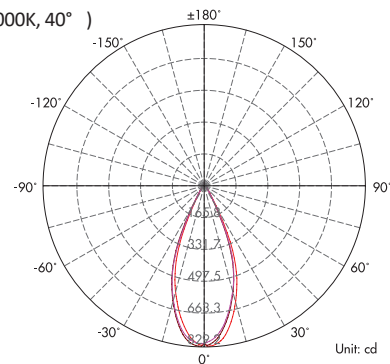
Spike	With black PVC spike as standard
Round base	With SS304 round base as optional



### Dimension



### Light Distribution Curve (3000K, 40°)



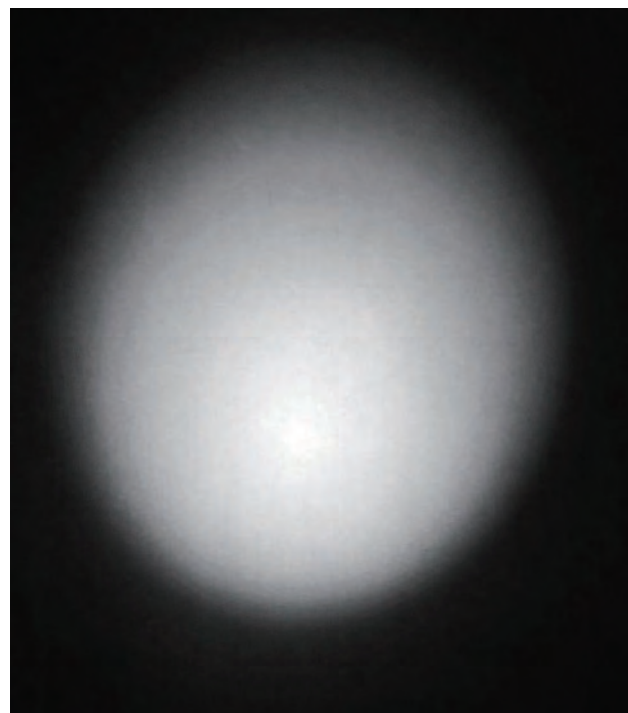
### Lux distance Curve (3000K, 40°)



3.281ft	75.919fc	50.517fc	2.516ft
1.0m	817.20lx	543.770lx	0.767m
6.562ft	18.980fc	12.629fc	5.031ft
2.0m	204.30lx	135.943lx	1.534m
9.843ft	8.435fc	5.613fc	7.547ft
3.0m	90.800lx	60.419lx	2.300m
13.123ft	4.745fc	3.157fc	10.063ft
4.0m	51.075lx	33.986lx	3.067m
16.404ft	3.037fc	2.021fc	12.578ft
5.0m	32.688lx	21.751lx	3.834m

Height Center E Beam Angle: 42.0 Average E Diameter

### Illumination Picture (40°)





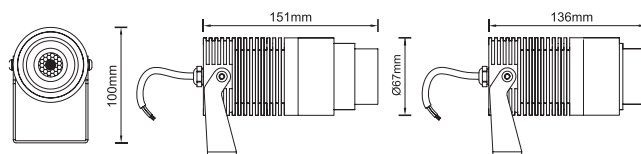
IP67 IK04

### Parameter

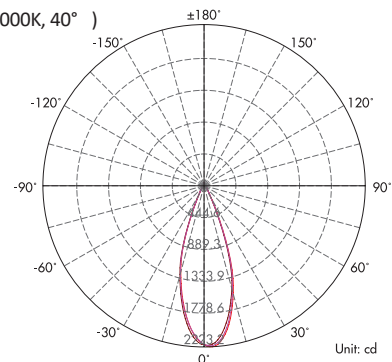
General Data	
Item No.	DU-15W-COB-1500-FH
Power	15 watts ±10%
LED type	1 PC 15W TOYONIA COB LED
Luminous flux	10°:450~500, 40°:750~800 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	Zoomable 10° to 40° adjustable
Dimension	67 x 151 (mm) Diameter x Height
Cut out	/
Net weight	0.8 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC100-265V
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey as standard, silver color, black color, or powder coated painted in white color as options.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=2mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	With black PVC spike as standard
Round base	With SS304 round base as optional



### Dimension



### Light Distribution Curve (3000K, 40°)



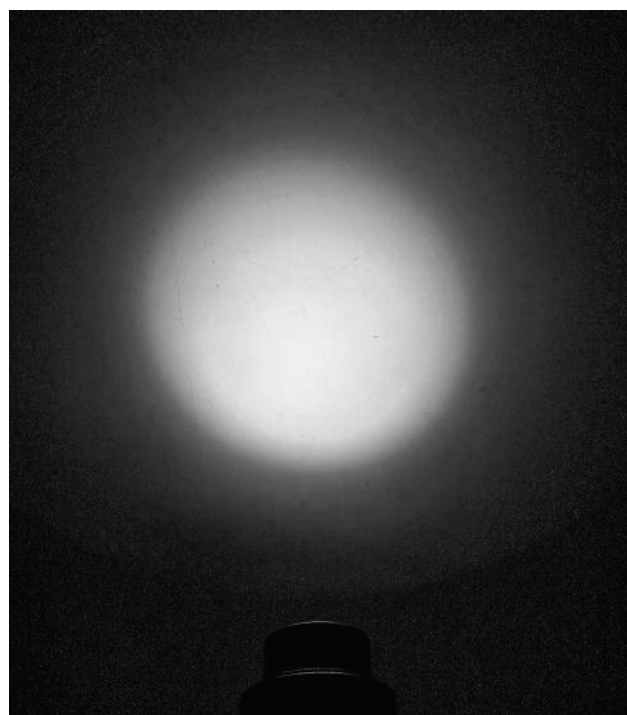
### Lux distance Curve (3000K, 40°)



3.281ft	203.38fc	138.453fc	2.093ft
1.0m	2189.2lx	1490.308lx	0.638m
6.562ft	50.846fc	34.613fc	4.186ft
2.0m	547.31lx	372.577lx	1.276m
9.843ft	22.598fc	15.384fc	6.278ft
3.0m	243.25lx	165.590lx	1.914m
13.123ft	12.712fc	8.653fc	8.371ft
4.0m	136.83lx	93.144lx	2.552m
16.404ft	8.135fc	5.538fc	10.464ft
5.0m	87.569lx	59.612lx	3.189m

Height Center E Beam Angle: 35.4 Average E Diameter

### Illumination Picture (40°)





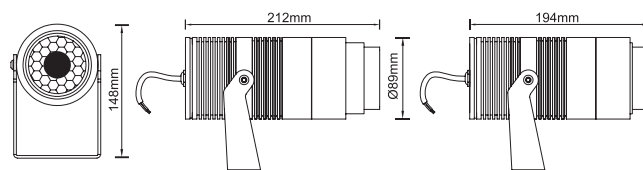
IP67 IK04

### Parameter

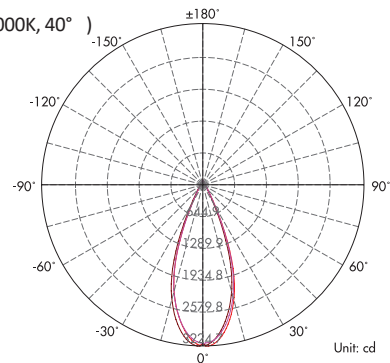
General Data	
Item No.	DU-25W-COB-2500-FH
Power	25 watts ±10%
LED type	1 PC 25W TOYONIA COB LED
Luminous flux	10°: 700~750, 40°: 1250~1300 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	Zoomable 10° to 40° adjustable
Dimension	89 x 212 (mm) Diameter x Height
Cut out	/
Net weight	1.68 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC100-265V
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey as standard, silver color, black color, or powder coated painted in white color as options.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=2mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	With black Aluminium spike as standard
Round base	With SS304 round base as optional



### Dimension



### Light Distribution Curve (3000K, 40°)



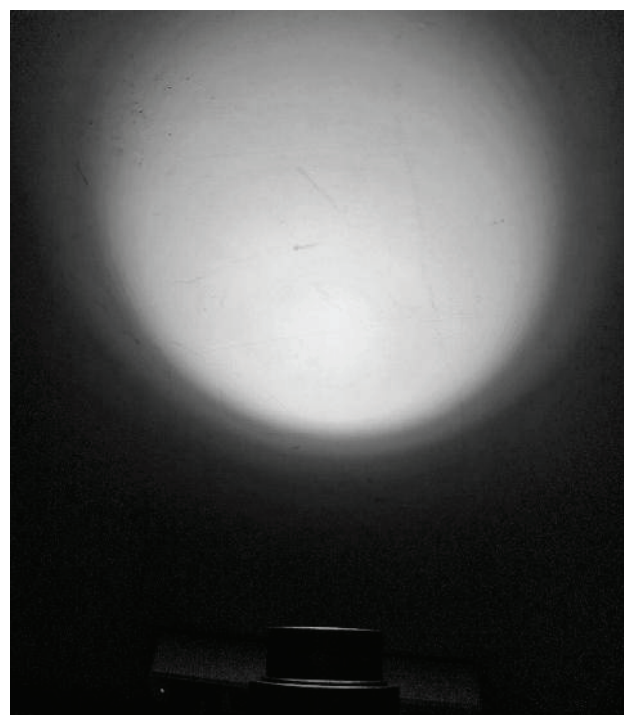
### Lux distance Curve (3000K, 40°)



3.281ft	295.27fc	202.501fc	2.333ft
1.0m	3178.3lx	2179.725lx	0.711m
6.562ft	73.818fc	50.625fc	4.666ft
2.0m	794.57lx	544.931lx	1.422m
9.843ft	32.808fc	22.500fc	6.999ft
3.0m	353.14lx	242.192lx	2.133m
13.123ft	18.454fc	12.656fc	9.332ft
4.0m	198.64lx	136.233lx	2.844m
16.404ft	11.811fc	8.100fc	11.665ft
5.0m	127.13lx	87.189lx	3.556m

Height Center E Beam Angle: 39.1 Average E Diameter

### Illumination Picture (40°)







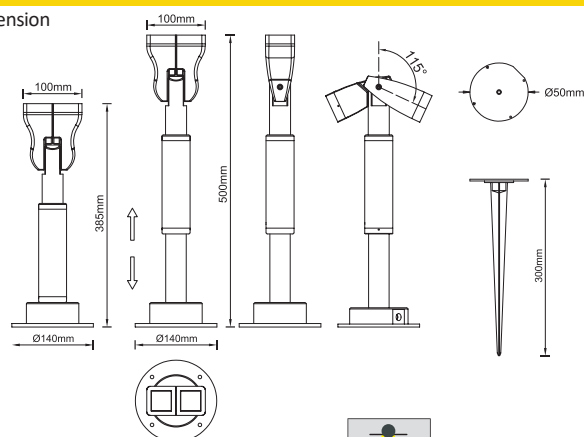
IP65 IK04

### Parameter

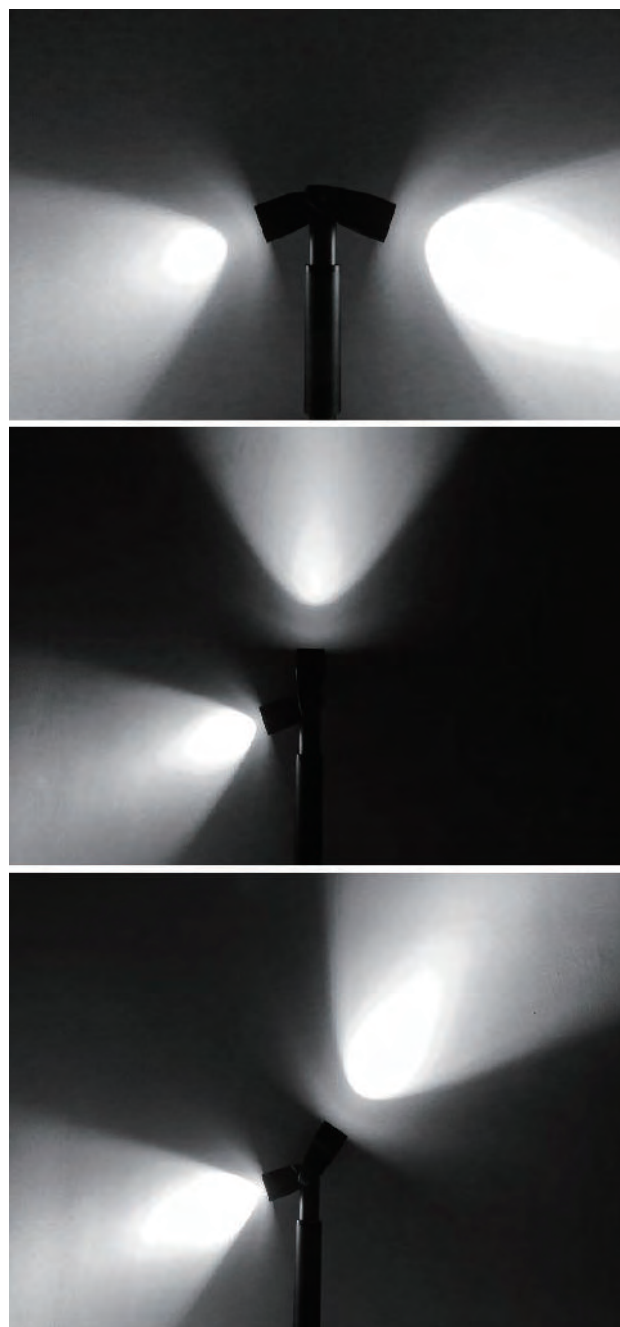
General Data	
Item No.	DU-1018-1500-A
Power	15 Watts
LED type	2 PCS 7.5W CREE CXA1304 COB LED
Luminous flux	750~800 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	15°, 25°
Dimension	140 x 385 to 500 (mm) adjustable Diameter x Height
Cut out	/
Net weight	2.8 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC100-265V
Insulation class	Class I
Cable	1PC rubber cable 0.5M H05RN-F 3x0.75mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IP65 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Black color as standard.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=3mm.
Loading capacity	120 kgs
Cable Gland	IP65 Aluminium part
Gasket	PMQ silicone seal
Accessories	
Spike	With Aluminium spike
Round base	With round base and screws



### Dimension



### Illumination Picture (25°)















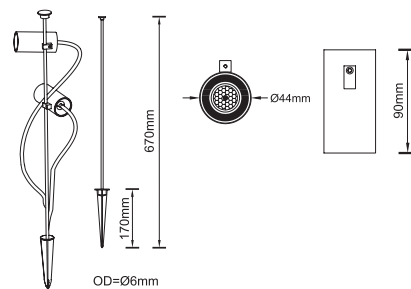
IP65 IK04

### Parameter

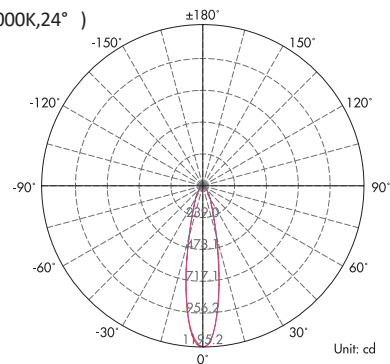
General Data	
Item No.	DU-1010-0500-EH
Power	5 watts
LED type	1 PC 5W CREE COB LED
Luminous flux	350~400 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	15°, 24°
Dimension	44 x 90 (mm) Diameter x Height
Cut out	/
Net weight	0.3 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC100-265V as standard (DC 12V or DC 24V as optional)
Insulation class	Class I
Cable	1PC rubber cable 1M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IP65 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey as standard, silver color, black color, or powder coated painted in white color as options.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=3mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	With 500mm stainless steel 304 stake +170mm Aluminium spike



### Dimension



### Light Distribution Curve (3000K, 24°)



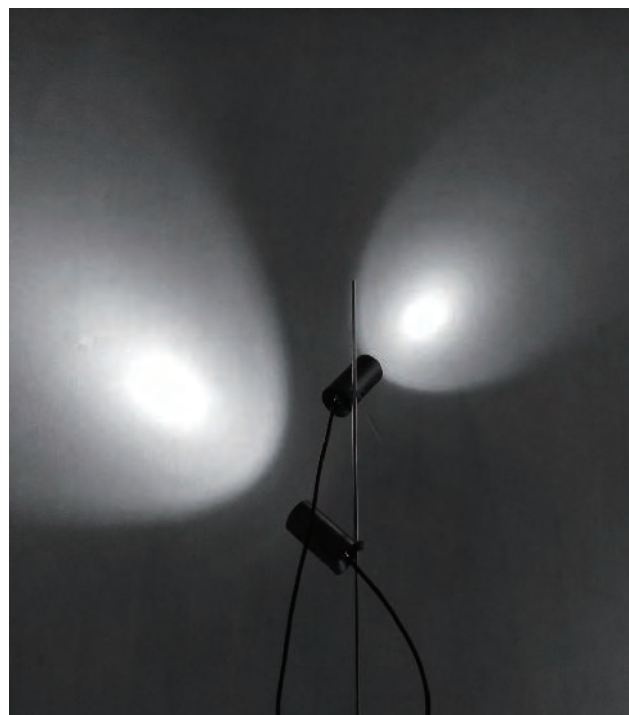
### Lux distance Curve (3000K, 24°)



3.281ft	111.04fc	78.030fc	1.309ft
1.0m	1195.2lx	839.918lx	0.399m
6.562ft	27.759fc	19.508fc	2.618ft
2.0m	298.80lx	209.980lx	0.798m
9.843ft	12.337fc	8.670fc	3.928ft
3.0m	132.80lx	93.324lx	1.197m
13.123ft	6.940fc	4.877fc	5.237ft
4.0m	74.700lx	52.495lx	1.596m
16.404ft	4.441fc	3.121fc	6.546ft
5.0m	47.808lx	33.597lx	1.995m

Height Center E Beam Angle: 22.6 Average E Diameter

### Illumination Picture (24°)



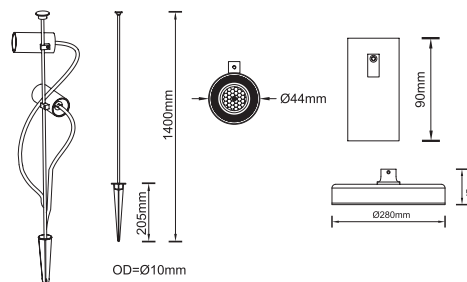


IP65 IK04

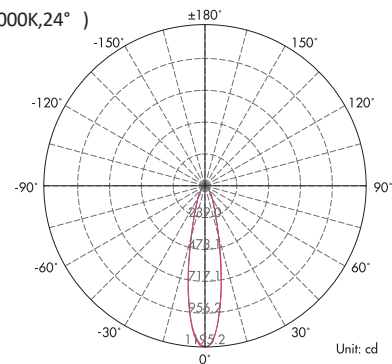
### Parameter

General Data	
Item No.	DU-1010-0500-EH(LT-08)
Power	5 watts
LED type	1 PC 5W CREE COB LED
Luminous flux	350~400 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	15°, 24°
Dimension	44 x 90 (mm) Diameter x Height
Cut out	/
Net weight	0.3 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC100-265V as standard (DC 12V or DC 24V as optional)
Insulation class	Class I
Cable	1PC rubber cable 1M or 2M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IP65 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined
Protection finishing	20~25μm thickness anodized film for housing. Dark grey as standard, silver color, black color, or powder coated painted in white color as options.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=3mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	With 1200mm stainless steel 304 stick +205mm Aluminium spike optional
Round base	Round base for surface mounting as options
CUP LM 110 SYS LM 90	
RoHS	

### Dimension



### Light Distribution Curve (3000K, 24°)



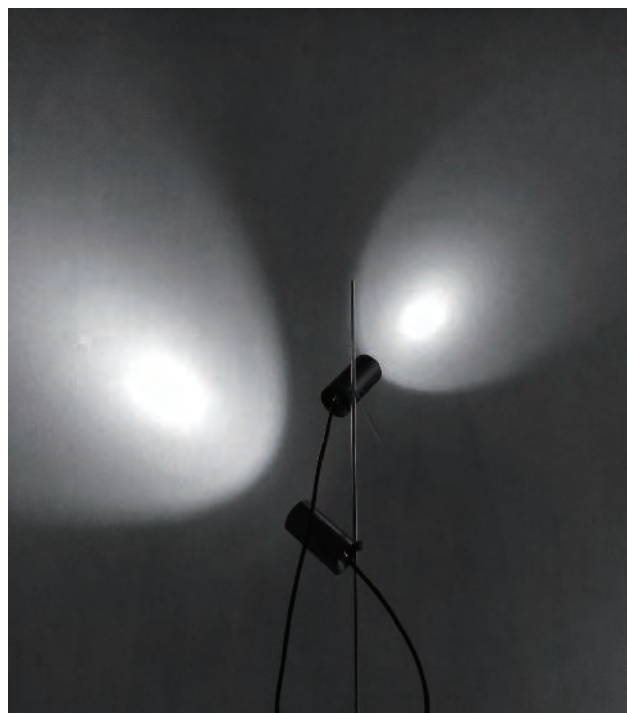
### Lux distance Curve (3000K, 24°)



3.281ft	111.04fc	78.030fc	1.309ft
1.0m	1195.2lx	839.918lx	0.399m
6.562ft	27.759lx	19.508lx	2.618ft
2.0m	298.80lx	209.980lx	0.798m
9.843ft	12.337lx	8.670lx	3.928ft
3.0m	132.80lx	93.324lx	1.197m
13.123ft	6.940lx	4.877lx	5.237ft
4.0m	74.700lx	52.495lx	1.596m
16.404ft	4.441lx	3.121lx	6.546ft
5.0m	47.808lx	33.597lx	1.995m

Height Center E Beam Angle: 22.6 Average E Diameter

### Illumination Picture (24°)











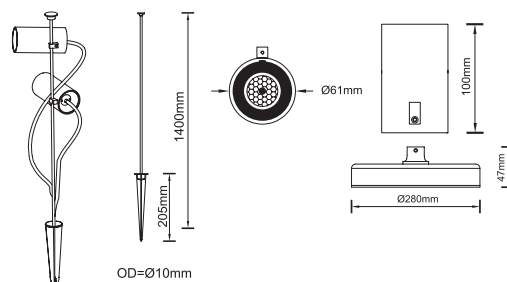
IP65 IK04

### Parameter

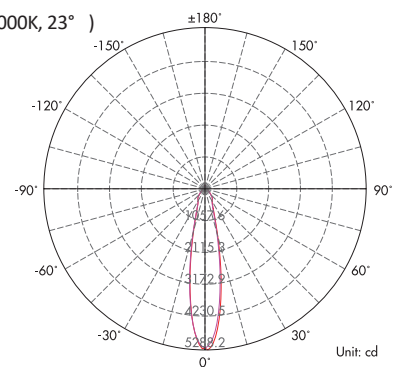
General Data	
Item No.	DU-15W-COB-1200-EH
Power	12 watts ±10%
LED type	1 PC 12W CREE COB LED
Luminous flux	1200 lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	15°, 23°, 38°, 45°, 60°
Dimension	61 x 100 (mm) Diameter x Height
Cut out	/
Net weight	0.55 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	AC100-265V as standard (DC 24V as optional)
Insulation class	Class I
Cable	1PC rubber cable 1M or 2M H05RN-F 3x1mm square
Driver	Built-in high voltage constant current driver with transformer
Construction Data	
IP rating	IP65 Waterproof
IK rating	IK04
Housing	Solid Passivated (Anodizing) Aluminum CNC machined 20~25μm thickness anodized film for housing. Dark grey as
Protection finishing	standard, silver color, black color, or powder coated painted in white color as options.
Trim	Passivated (Anodizing) Aluminum
Glass	Step tempered Glass. T=3mm.
Loading capacity	220 kgs
Cable Gland	PG7 IP67
Gasket	O-ring PMQ silicone seal
Accessories	
Spike	With 1200mm stainless steel 304 stick +205mm Aluminium spike optional
Round base	Round base for surface mounting as options



### Dimension



### Light Distribution Curve (3000K, 23°)



### Lux distance Curve (3000K, 23°)



Height	Center E	Beam Angle: 21.4	Average E	Diameter
3.281ft	486.43fc		338.197fc	1.240ft
1.0m	5236.0lx		3640.348lx	0.378m
6.562ft	121.61fc		84.549fc	2.479ft
2.0m	1309.0lx		910.087lx	0.756m
9.843ft	54.048fc		37.577fc	3.719ft
3.0m	581.77lx		404.483lx	1.134m
13.123ft	30.402fc		21.137fc	4.959ft
4.0m	327.25lx		227.522lx	1.511m
16.404ft	19.457fc		13.528fc	6.198ft
5.0m	209.44lx		145.614lx	1.889m

### Illumination Picture (23°)



# LED HANDRAIL LIGHTS

SERIES

## Products Features

These products are designed with stainless steel 316 housing, optics PMMA reflector with wonderful light output, silicone gasket and silicone glue for waterproof IP67 and high quality CREE LED.

The handrail light DL-1014-0100-A is suitable for standard handrail with  $\varnothing 48 \sim 60$ mm, and wall thickness of 1~2mm for a  $\varnothing 27$ mm hole, and With PC spring for fast recessed installation.

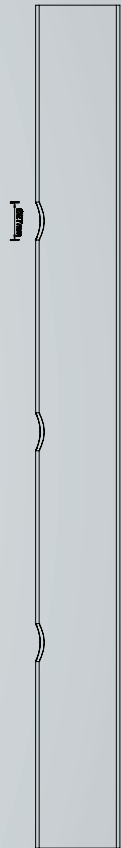
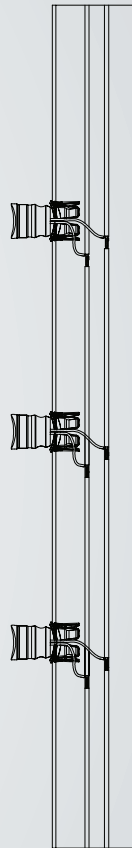
These handrail lights can be easily and fast retrofitted into existing handrail

These products are with CE, RoHS certifications, and the SAA, PSE, UL or ETL certifications will be available in the coming future.

## Application

These lights are widely used in the exterior or interior handrail in multiple places, such as handrail at the house, handrail in the metro, handrail in the gallery, handrail for the stair etc.

IP67 IK06







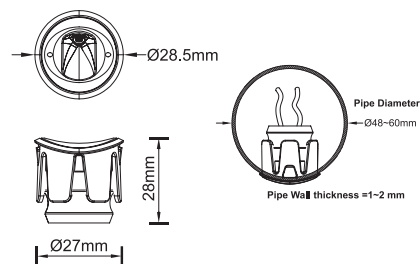
IP67 IK06

### Parameter

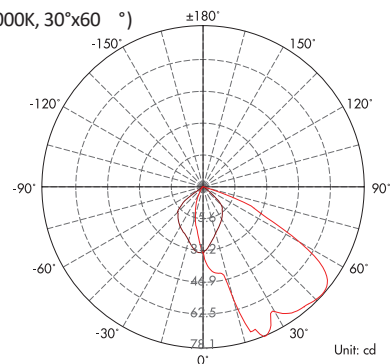
General Data	
Item No.	SS316: DL-1014-0100-A / Alu: DL-1014-0100-B
Power	1.5 watts +10%
LED type	1 PC 1W CREE XPE LED
Luminous flux	76~95 lm
CCT	2700K, 3000K, 4000K, 5000K, 6000K
CRI	80+
Beam angle	30°x60° (Tilt x Pan)
Dimension	28.5 x 28 (mm) Diameter x Height
Cut out	27
Net weight	0.048kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC12V / DC24V
Insulation class	Class III
Cable	1PC teflon cable 0.25M 2*0.3mm square
Driver	low voltage constant current output, excluding the transformer
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK06
Housing	Stainless steel 316 for A version / Aluminium for B version
Protection finishing	Stainless steel 316 for A version / Silver color Anodizing Aluminium for B version
Trim	Stainless steel 316 for A version / Silver color Anodizing Aluminium for B version
Glass	/
Loading capacity	110 kgs
Cable Gland	/
Gasket	O-ring PMQ silicone seal
Accessories	
Spring	PC spring for recessed installation
Clip	SS304 clip for taking off the fixture from the handrail



### Dimension



### Light Distribution Curve (3000K, 30°x60°)



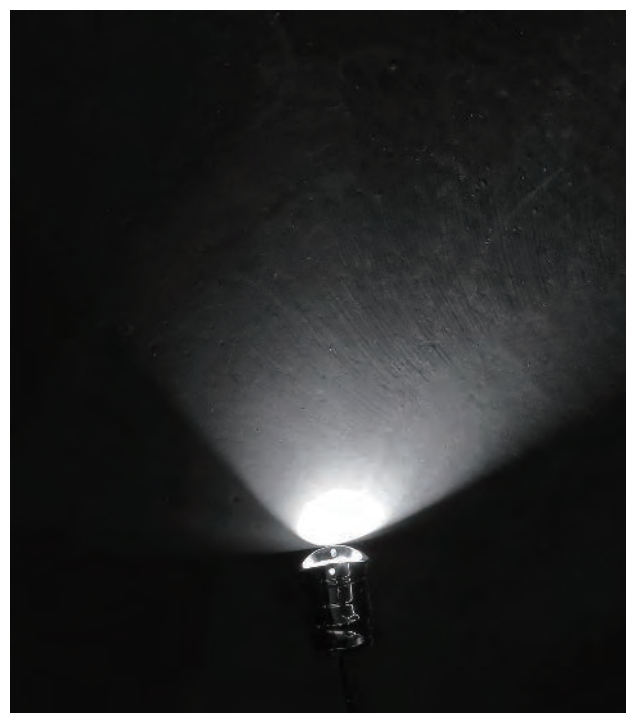
### Lux distance Curve (3000K, 30°x60°)



3.281ft	3.003fc	2.117fc	3.726ft
1.0m	32.32lx	22.790lx	1.136m
6.562ft	0.751fc	0.529fc	7.453ft
2.0m	8.080lx	5.698lx	2.272m
9.843ft	0.334fc	0.235fc	11.179ft
3.0m	3.591lx	2.532lx	3.407m
13.123ft	0.188fc	0.132fc	14.906ft
4.0m	2.020lx	1.424lx	4.543m
16.404ft	0.120fc	0.085fc	18.632ft
5.0m	1.293lx	0.912lx	5.679m

Height Center E Beam Angle: 59.2 Average E Diameter

### Illumination Picture (30°x60°)







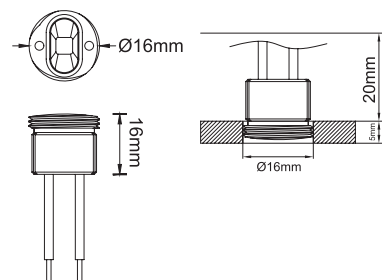
IP67 IK06

### Parameter

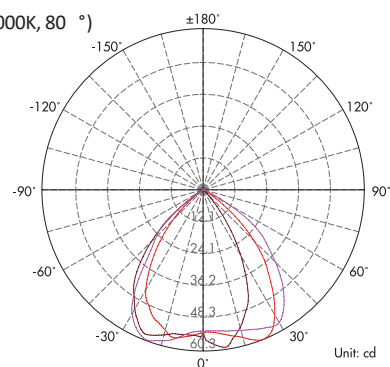
General Data	
Item No.	80°: DL-1016-0100-A / 30x60°: DL-1016-0100-B
Power	1.5 Watts +-10%
LED type	1 PC CREE XPG LED
Luminous flux	95 lm +-10%,
CCT	2700K, 3000K, 4000K, 6000K
CRI	80+
Beam angle	80° for DL-1016-0100-A / Asymmetrical 30x60° for DL-1016-0100-B
Dimension	16 x 16 (mm) (Diameter x Height)
Cut out	16mm
Net weight	0.02 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC3V 500mA constant current
Insulation class	Class III
Cable	1PC teflon cable 0.25M 2*0.3mm square
Driver	without driver, need external constant current driver
Construction Data	
IP rating	IP67 Waterproof
IK rating	IK06
Housing	Chrome Plated Copper CNC machined
Protection finishing	Chrome Plated
Trim	Chrome Plated Copper CNC machined
Glass	/
Loading capacity	110 kgs
Cable Gland	/
Gasket	/
Accessories	
Clip	SS304 clip for installation or taking off the fixture from the handrail



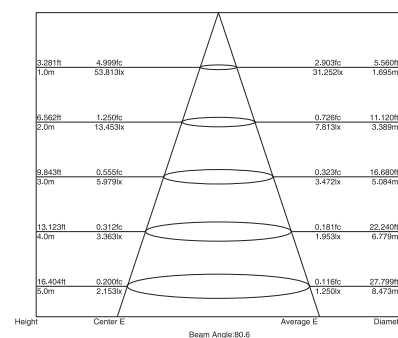
### Dimension



### Light Distribution Curve (3000K, 80 °)



### Lux distance Curve (3000K, 80 °)



### Illumination Picture (80 °)









# ACCESSORIES SERIES

## Products Features

These connectors are designed with anti-corrosion and strong enough nylon materials, and they are IP68 waterproof.

Especially the IP67 inground lights that must be used with the IP67 or IP68 waterproof connectors or junction boxes. Due to the moisture or water will come into the lighting fixtures through the wires if they aren't connected by IP67 or IP68 waterproof connectors or junction boxes.

## Application

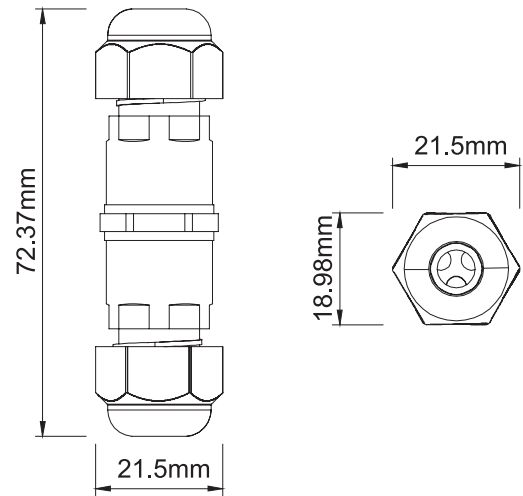
They are recommended to be used for our IP67 inground lights, IP68 underwater lights, IP65/IP67 garden spot lights.



IP68 IK09 IK10



Dimension



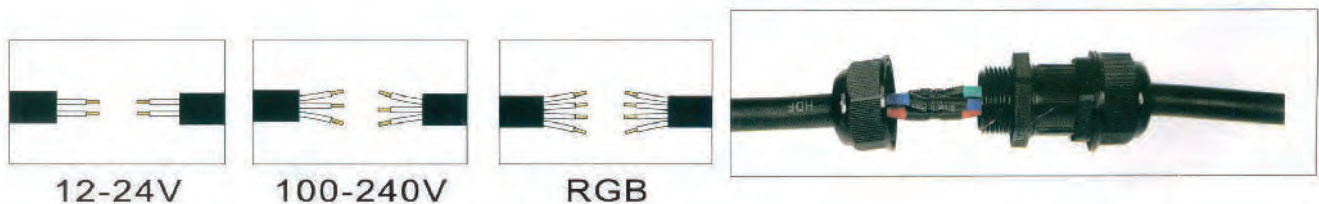
IP68 IK10

Parameter

General Data	
Item No.	DUWRC-A-I
For cable	Min. 2 or 3x0.5mm <sup>2</sup> , Max. 2 or 3x1mm <sup>2</sup> (For 2pins or 3 pins)
For cable diameter	Diameter 5mm~7.5mm
Terminal block	2 or 3 poles. Screws fixing
Dimension	21.5x72.37mm (Length x Diameter )
Net weight	0.02 kgs
Warranty	3 years
Electrical Data	
Voltage range	9A 450v @ max. It's usually for both of DC12V~DC24V or AC100~240V. single color
Construction Data	
IP rating	IP68
IK rating	IK10
Housing	Nylon materials PA66, V2
Pole	2 or 3 poles, Copper, nickel plated.
Gasket	PMQ silicone gasket seal

Parallel Circuit Connecting Drawing

Wiring Diagram

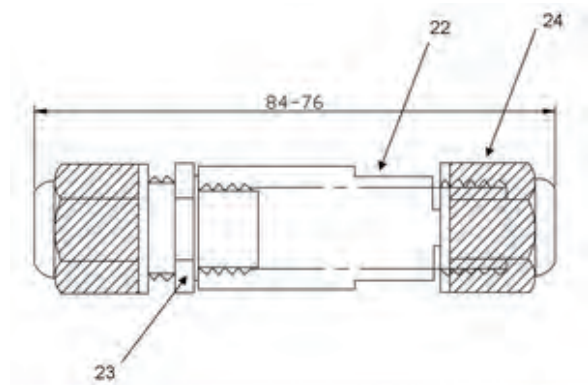






IP68 IK10

### Dimension

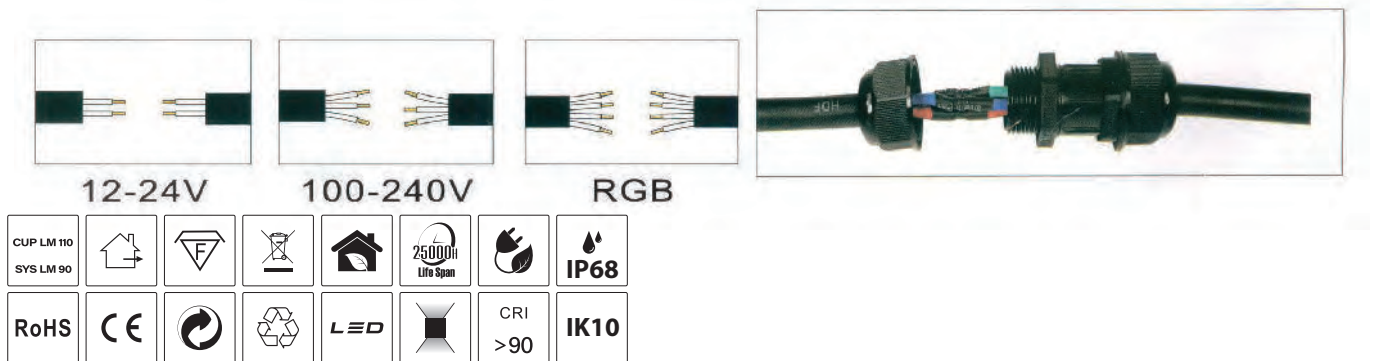


### Parameter

General Data	
Item No.	DUWRC-A-I (L)
For cable	Min. 2 or 3 or 4 x0.5mm <sup>2</sup> ,Max. 2 or 3 or 4 x1.5mm <sup>2</sup> (For 2pins or 3 pins or 4 pins )
For cable diameter	9mm~12mm as standard. (5~9mm as optional according to the order)
Terminal block	2 or 3 or 4 poles. Screws fixing
Dimension	23.8x75.8mm (Diameter x Length)
Net weight	0.03 kgs
Warranty	3 years
Electrical Data	
Voltage range	24A,450v @ max. It's usually for both of DC12V~DC24V or AC100~240V. single color or RGB or RGBW lighting fixture
Construction Data	
IP rating	IP68
IK rating	IK10
Housing	Nylon materials PA66, V2
Pole	2 or 3 or 4 poles,Copper, nickel plated.
Gasket	PMQ silicone gasket seal

### Parallel Circuit Connecting Drawing

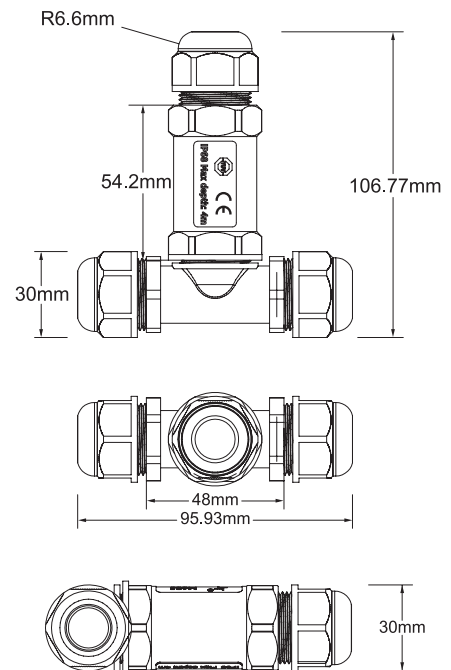
### Wiring Diagram





IP68 IK10

### Dimension

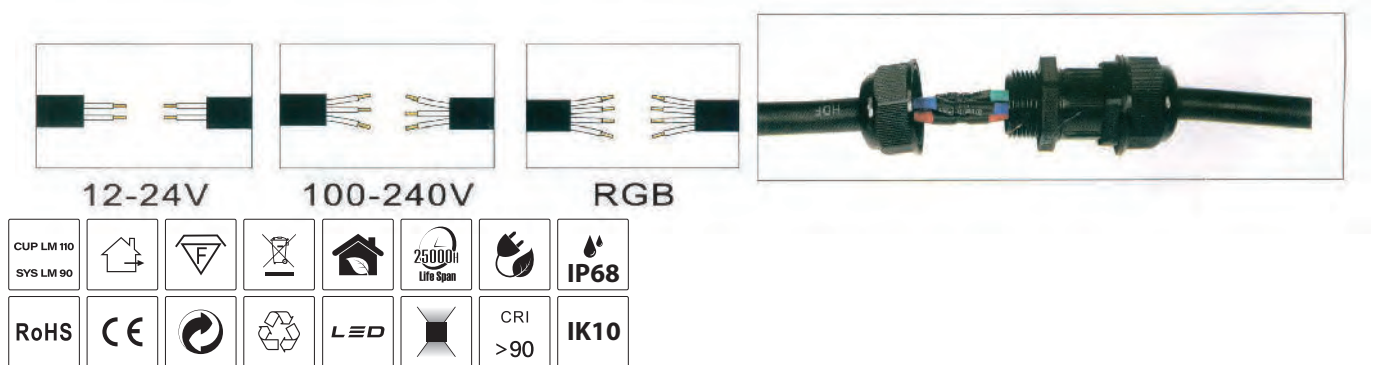


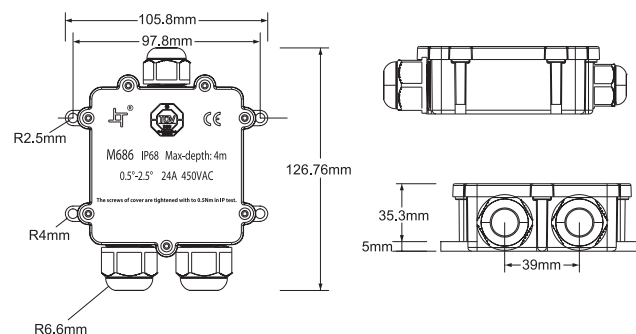
### Parameter

General Data	
Item No.	DUWRC-A-T
For cable	Min. 0.5mm <sup>2</sup> max. 4mm <sup>2</sup>
For cable diameter	Diameter 4mm~8mm as standard (8~12mm or 10~14mm as optional according to the order)
Terminal block	2 or 3 or 4 or 5 poles as options. Screws fixing
Dimension	95.93x106.77mm (Width x Length)
Net weight	0.06 kgs
Warranty	5 years
Electrical Data	
Voltage range	24A,450v @ max. It's usually for both of DC12V~DC24V or AC100~240V. single color or RGB or RGBW lighting fixture
Construction Data	
IP rating	IP68
IK rating	IK10
Housing	Nylon materials PA66, V2
Pole	2 or 3 or 4 or 5 poles,Copper, nickel plated.
Gasket	PMQ silicone gasket seal

### Parallel Circuit Connecting Drawing

### Wiring Diagram





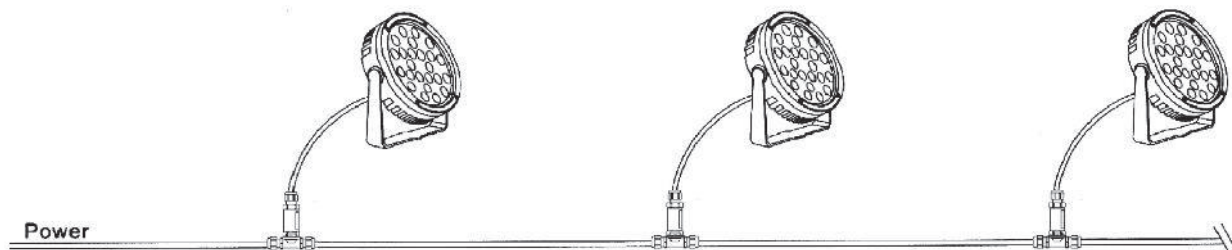
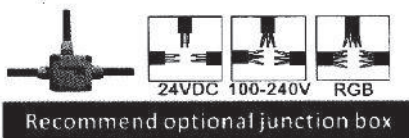
IP68 IK10

### Parameter

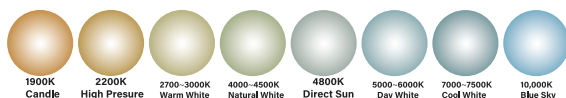
General Data	
Item No.	DUWRC-C-Box
For cable	Min. 0.5mm <sup>2</sup> max. 4mm <sup>2</sup>
For cable diameter	Diameter 4mm~8mm as standard (8~12mm or 10~14mm as optional according to the order)
Terminal block	2 or 3 or 4 or 5 poles as options . Screws fixing
Dimension	95.93x106.77mm (Width x Length)
Net weight	0.08 kgs
Warranty	3 years
Electrical Data	
Voltage range	24V, 450V @ max. It's usually for both of DC12V~DC24V or AC100~240V. single color or RGB or RGBW lighting fixture
Construction Data	
IP rating	IP68
IK rating	IK10
Housing	Nylon materials PA66, V2
Pole	2 or 3 or 4 or 5 poles, Copper, nickel plated.
Gasket	PMQ silicone gasket seal
Accessories	
Mounting Sleeve	Passivated (Anodizing) Aluminium

Parallel Circuit Connecting Drawing

### Connection Demo



LED Drivers - PHILIPS **GTI**  
**MTCI TRIDONIC**  
Widely used in the world



LED Chips - PHILIPS **CITIZEN**  
**BRIDGELUX** **CREE** **SHARP** **SAMSUNG**





# LED WALL WASHER SERIES

## Products Features

These products are designed with stretched aluminium / solid aluminium, with Passivated (Anodizing) anti-corrosion finishing for housing in black color or grey color, optics PMMA lens with wonderful light output, tempered glass for high loading capacity, silicone gasket and cable gland for waterproof IP65 and high quality OSRAM LED.

These products are with CE, RoHS certifications, and the SAA, PSE, UL or ETL certifications will be available in the coming future.

## Application

These lights are widely used in the exterior application, such as lighting walls, architectural features, landscape features for the hotel, the garden, the park, the building etc.

IP65 IK04



Specialized in Exterior LED Lighting







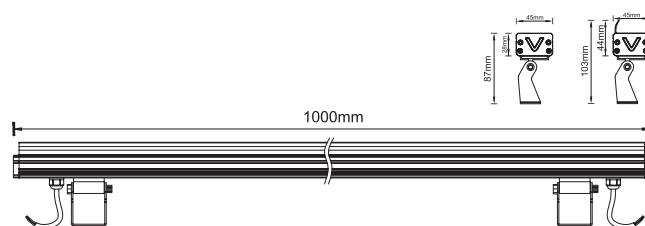
IP65 IK04

### Parameter

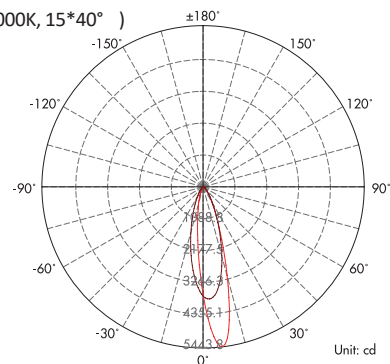
General Data	
Item No.	LWW-2401-1800-B
Power	18W
LED type	24 PCS 0.75W OSRAM LED
Luminous flux	1440lm
CCT	2700K, 3000K, 4500K, 6000K
CRI	80+
Beam angle	12°/24°/30°/40°/60° or Oval lens 20°30°/15°40°/20°40°
Dimension	1000*45*28 mm (Length x Width x Height)
Cut out	/
Net weight	1.7 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC24V (AC100~265V version optional)
Insulation class	Class III
Cable	2 PCS rubber cables with waterproof connectors, one side male, another side female
Driver	Low voltage constant current output, excluding the transformer
Control	Stand alone
Construction Data	
IP rating	IP65 Waterproof
IK rating	IK04
Housing	Passivated (Anodizing) Aluminium
Protection finishing	20~25μm thickness anodized film for housing. Dark grey
Trim	Aluminium+glass
Glass	Tempered Glass T=4mm
Loading capacity	220kgs
Cable Gland	PG IP65
Gasket	PMQ silicone gasket seal
Accessories	
Bracket	Aluminium bracket
Barn door	Without barn door as standard, and with barn door as options



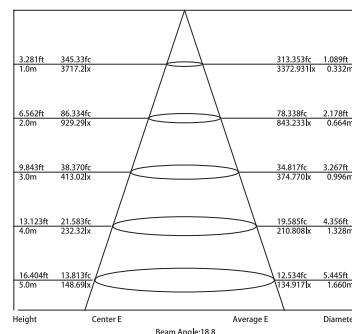
### Dimension



### Light Distribution Curve (3000K, 15°40°)



### Lux distance Curve (3000K, 15°40°)



### Illumination Picture (15x40°)





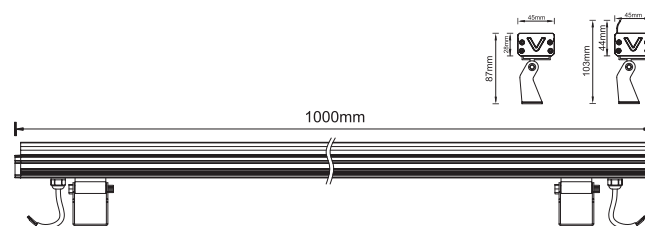
IP65 IK04

### Parameter

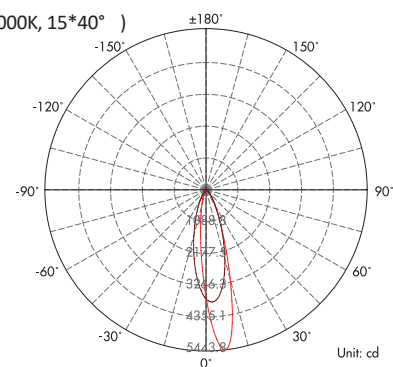
General Data	
Item No.	LWW-2401-2400-B
Power	24W
LED type	24 PCS 1W OSRAM LED
Luminous flux	1800lm
CCT	2700K, 3000K, 4500K, 6000K
CRI	80+
Beam angle	12°/24°/30°/40°/60° or Oval lens 20°30°/15°40°/20°40°
Dimension	1000*45*28 mm (Length x Width x Height)
Cut out	/
Net weight	1.7 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC24V (AC100~265V version optional)
Insulation class	Class III
Cable	2 PCS rubber cables with waterproof connectors, one side male, another side female
Driver	Low voltage constant current output, excluding the transformer
Control	Stand alone
Construction Data	
IP rating	IP65 Waterproof
IK rating	IK04
Housing	Passivated (Anodizing) Aluminium
Protection finishing	20~25μm thickness anodized film for housing. Dark grey
Trim	Aluminium+glass
Glass	Tempered Glass T=4mm
Loading capacity	220kgs
Cable Gland	PG IP65
Gasket	PMQ silicone gasket seal
Accessories	
Bracket	Aluminium bracket
Barn door	Without barn door as standard, and with barn door as options



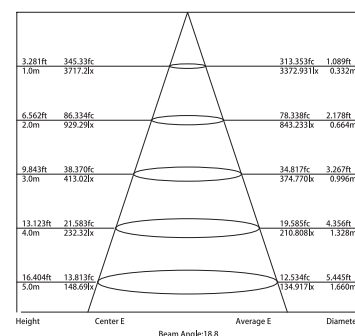
### Dimension



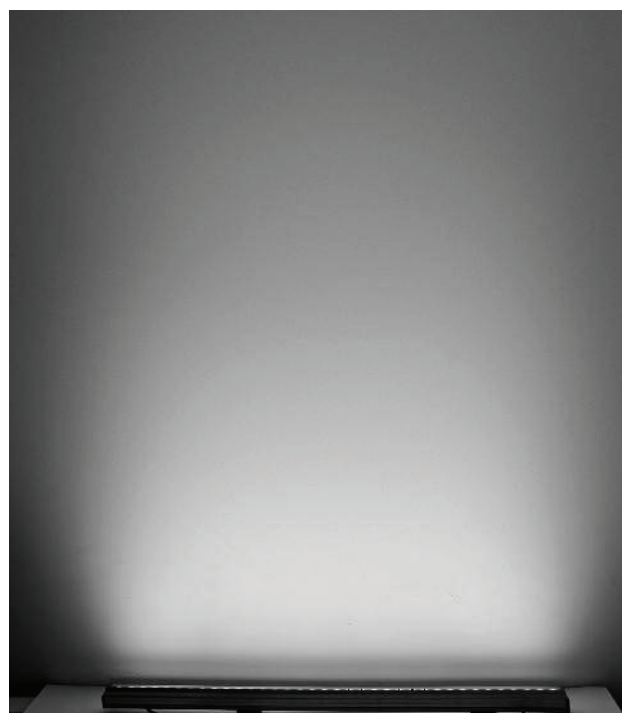
### Light Distribution Curve (3000K, 15°40°)



### Lux distance Curve (3000K, 15°40°)



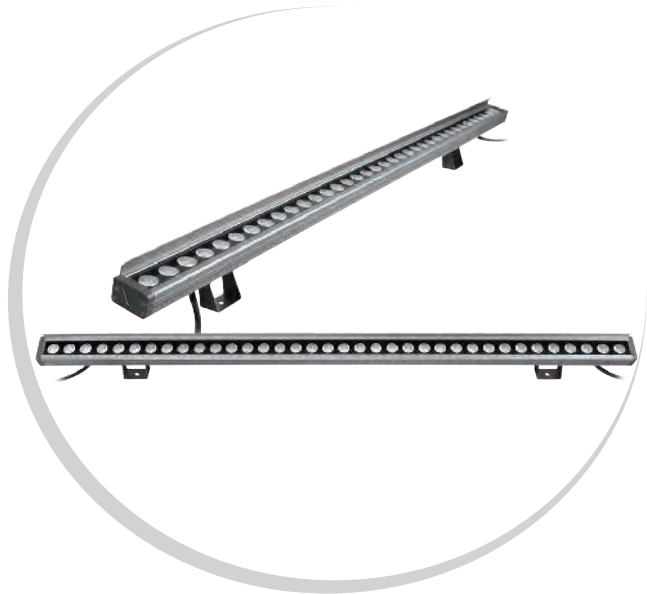
### Illumination Picture (15x40°)











IP65 IK04

### Parameter

#### General Data

Item No.	LWW-3601-3600-B
Power	36W
LED type	36 PCS 1W OSRAM LED
Luminous flux	2700lm
CCT	2700K, 3000K, 4500K, 6000K
CRI	80+
Beam angle	12°/24°/30°/40°/60° or Oval lens 20°30°/15°40°/20°40°
Dimension	1000*45*28 mm (Length x Width x Height)
Cut out	/
Net weight	1.75 kgs
Warranty	3 years
Certifications	CE, RoHS

#### Electrical Data

Input voltage	DC24V (AC100~265V version optional)
Insulation class	Class III
Cable	2 PCS rubber cables with waterproof connectors, one side male, another side female
Driver	Low voltage constant current output, excluding the transformer
Control	Stand alone

#### Construction Data

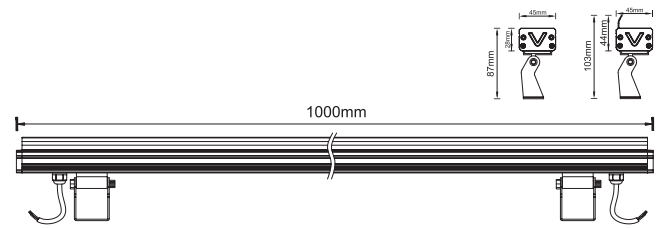
IP rating	IP65 Waterproof
IK rating	IK04
Housing	Passivated (Anodizing) Aluminium
Protection finishing	20~25μm thickness anodized film for housing. Dark grey
Trim	Aluminium+glass
Glass	Tempered Glass T=4mm
Loading capacity	220kgs
Cable Gland	PG IP65
Gasket	PMQ silicone gasket seal

#### Accessories

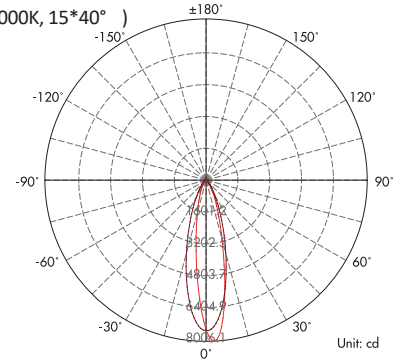
Bracket	Aluminium bracket
Barn door	Without barn door as standard, and with barn door as options



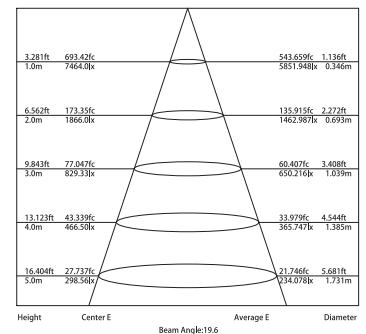
### Dimension



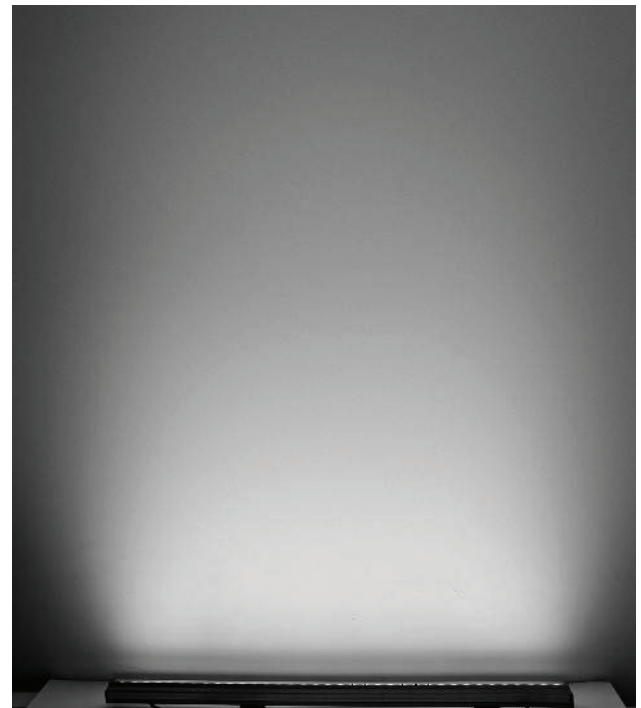
### Light Distribution Curve (3000K, 15°40°)

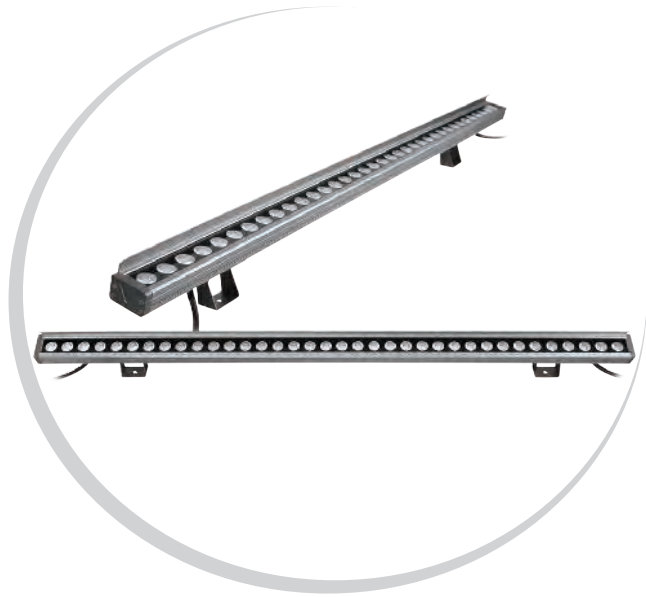


### Lux distance Curve (3000K, 15°40°)



### Illumination Picture (15x40 °)





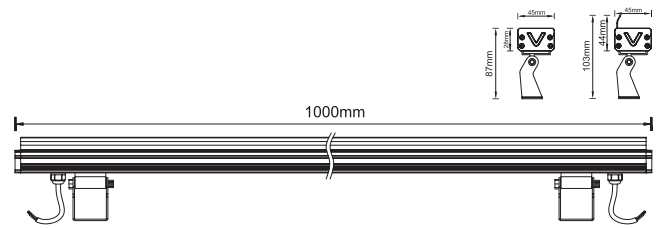
IP65 IK04

### Parameter

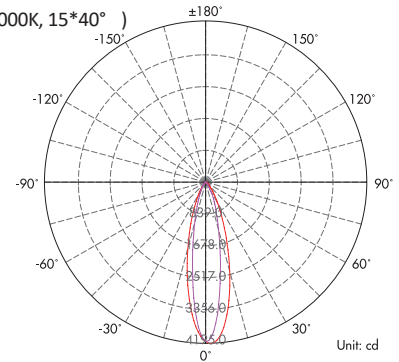
General Data	
Item No.	LWW-3601-4800-B
Power	48W
LED type	36 PCS 1.3W OSRAM LED
Luminous flux	3200lm
CCT	2700K, 3000K, 4500K, 6000K
CRI	80+
Beam angle	12°/24°/30°/40°/60° or Oval lens 20°30°/15°40°/20°40°
Dimension	1000*45*28 mm (Length x Width x Height)
Cut out	/
Net weight	1.75 kgs
Warranty	3 years
Certifications	CE, RoHS
Electrical Data	
Input voltage	DC24V (AC100~265V version optional)
Insulation class	Class III
Cable	2 PCS rubber cables with waterproof connectors, one side male, another side female
Driver	Low voltage constant current output, excluding the transformer
Control	Stand alone
Construction Data	
IP rating	IP65 Waterproof
IK rating	IK04
Housing	Passivated (Anodizing) Aluminium
Protection finishing	20~25µm thickness anodized film for housing. Dark grey
Trim	Aluminium+glass
Glass	Tempered Glass T=4mm
Loading capacity	220kgs
Cable Gland	PG IP65
Gasket	PMQ silicone gasket seal
Accessories	
Bracket	Aluminium bracket
Barn door	Without barn door as standard, and with barn door as options



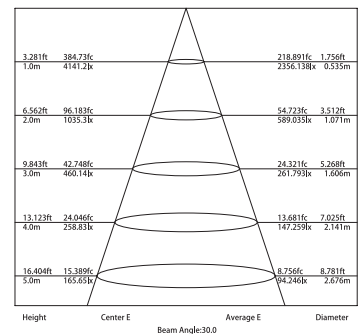
### Dimension



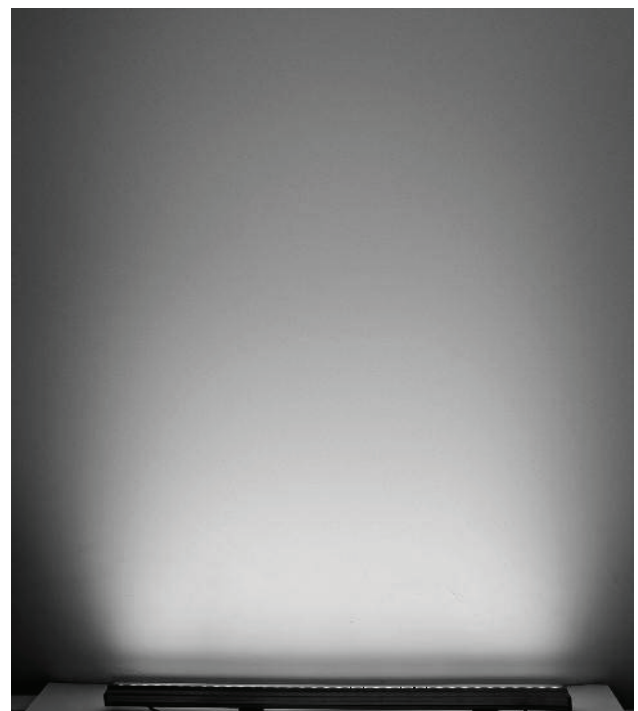
### Light Distribution Curve (3000K, 15°40°)



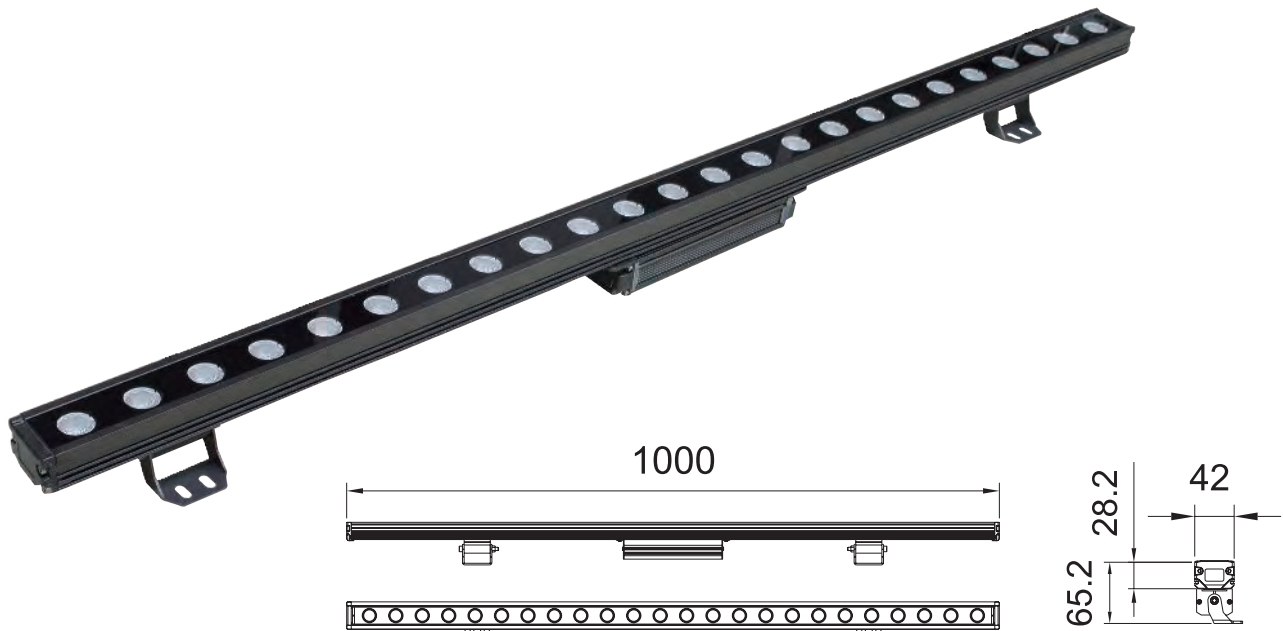
### Lux distance Curve (3000K, 15°40°)



### Illumination Picture (15x40°)





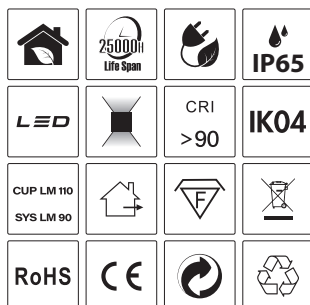


### General Data

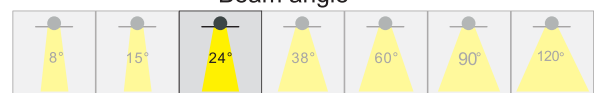
Item No.	DU-A001-18W / DU-A001-24W / DU-A001-36W
Power	18 Watts / 24 Watts / 36 Watts
LED type	18 x 1W / 24 x 1W / 36X1W Osram LED
Beam angle	10°/15°/30°/45°/60°/90°/110°
Dimension	1000*42*65.2 mm (L x W x H)
Cut out	/
Net weight	1.72 kgs
Warranty	2 years
Certifications	CE, RoHS
<b>Electrical Data</b>	
Input voltage	DC24V
Insulation class	Class III
Cable	2 PCS rubber cable 20CM cables with waterproof connector
Driver	Low voltage constant current output ,excluding the transformer
Control	DMX512 or stand alone as options

### Construction Data

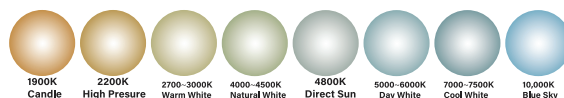
IP rating	IP65 Waterproof
IK rating	IK04
Housing	Die-casting aluminium
Protection finishing	Powder coated painting in black color
Trim	Die-casting aluminium
Glass	Tempered Glass.T=4mm.
Loading capacity	220kgs
Cable Gland	PG7 IP67
Gasket	PMQ silicone gasket seal
<b>Accessories</b>	
Bracket	Aluminium bracket



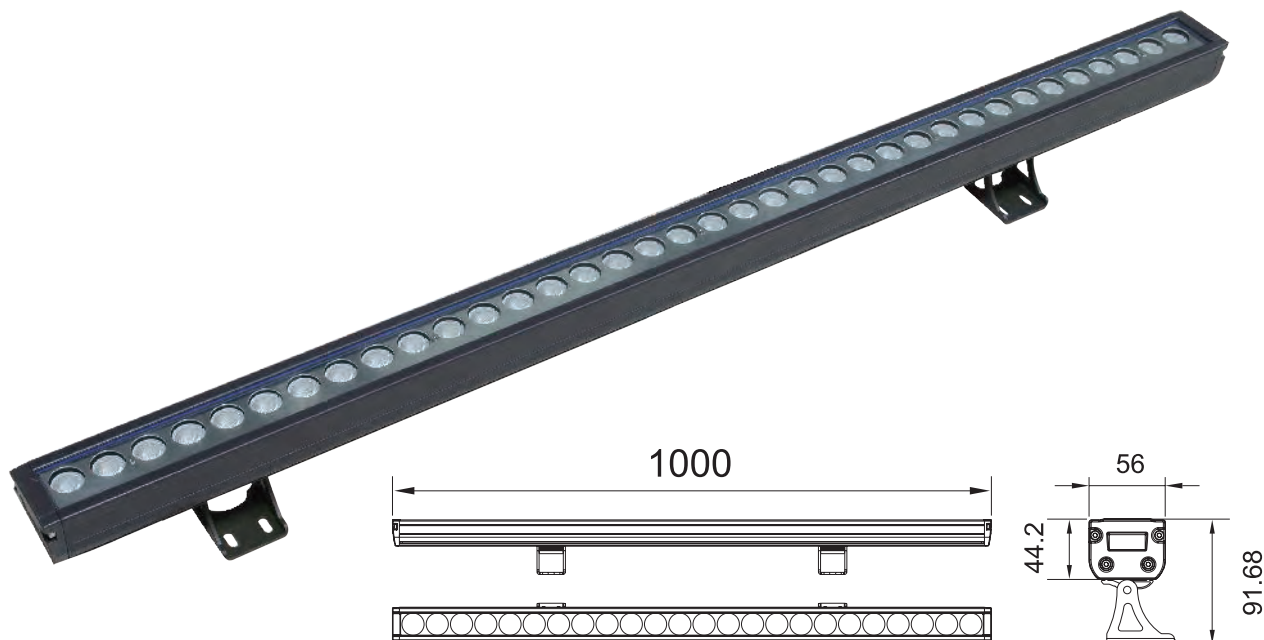
### Beam angle



Optional Integrated Dimmable Driver / 1-10 / DMX / DALI / TRIAC  
LED Drivers - PHILIPS CUI  
MWA TCI TRIDONIC



LED Chips - PHILIPS CITIZEN  
BRIDGELUX. CREE SHARP SAMSUNG



### General Data

Item No.	DU-B001-48W / DU-B001-60W
Power	48 Watts / 60 Watts
LED type	24*2W / 36*1.7W Osram LED
Beam angle	10°/15°/30°/45°/60°/90°/110°
Dimension	1000*56*43 mm (L x W x H)
Cut out	/
Net weight	2.95 kgs
Warranty	2 years
Certifications	CE, RoHS
<b>Electrical Data</b>	
Input voltage	DC24V
Insulation class	Class III
Cable	2 PCS rubber cable 20CM cables with waterproof connector
Driver	Low voltage constant current output ,excluding the transformer
Control	DMX512 or stand alone as options

### Construction Data

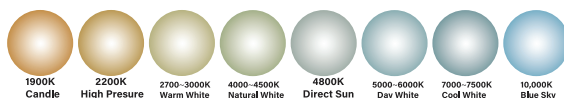
IP rating	IP65 Waterproof
IK rating	IK04
Housing	Die-casting aluminium
Protection finishing	Powder coated painting in black color
Trim	Die-casting aluminium
Glass	Tempered Glass.T=4mm.
Loading capacity	220kgs
Cable Gland	PG7 IP67
Gasket	PMQ silicone gasket seal
<b>Accessories</b>	
Bracket	Aluminium bracket



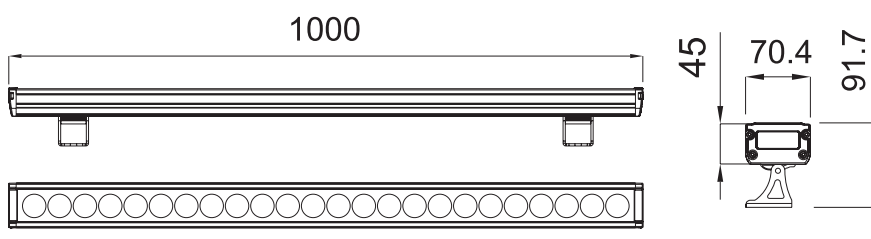
### Beam angle



Optional Integrated Dimmable Driver / 1-10 / DMX / DALI / TRIAC  
LED Drivers - **PHILIPS** **GTI**  
**MW** **ATCI** **TRIDONIC**



LED Chips - **PHILIPS** **CITIZEN**  
**BRIDGELUX** **CREE** **SHARP** **SAMSUNG**

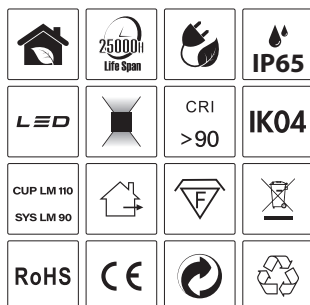


### General Data

Item No.	DU-C001-72W / DU-C001-96W
Power	72 Watts / 96 Watts
LED type	36*2W / 48*2W Osram LED
Beam angle	10°/15°/30°/45°/60°/90°/110°
Dimension	1000*70*44 mm (L x W x H)
Cut out	/
Net weight	3.28 kgs
Warranty	2 years
Certifications	CE, RoHS
<b>Electrical Data</b>	
Input voltage	DC24V
Insulation class	Class III
Cable	2 PCS rubber cable 20CM cables with waterproof connector
Driver	Low voltage constant current output ,excluding the transformer
Control	DMX512 or stand alone as options

### Construction Data

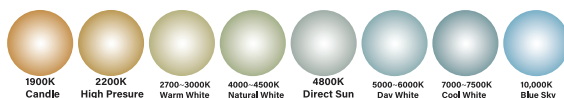
IP rating	IP65 Waterproof
IK rating	IK04
Housing	Die-casting aluminium
Protection finishing	Powder coated painting in grey color
Trim	Die-casting aluminium
Glass	Tempered Glass.T=4mm.
Loading capacity	220kgs
Cable Gland	PG7 IP67
Gasket	PMQ silicone gasket seal
<b>Accessories</b>	
Bracket	Aluminium bracket



### Beam angle

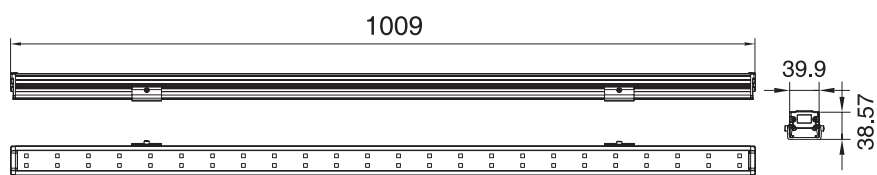


Optional Integrated Dimmable Driver / 1-10V / DMX / DALI / TRIAC  
LED Drivers - **PHILIPS** **ETI**  
**MW** **ATCI** **TRIDONIC**



LED Chips - **PHILIPS** **CITIZEN**  
**BRIDGELUX** **CREE** **SHARP** **SAMSUNG**



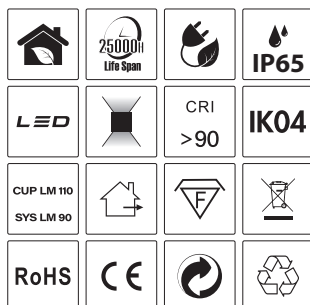


### General Data

Item No.	DU-C001-24W
Power	24 Watts
LED type	96PCS SMD5050 LED
Beam angle	120°
Dimension	1000*40*30 mm ( L x W x H )
Cut out	/
Net weight	1.16 kgs
Warranty	2 years
Certifications	CE, RoHS
<b>Electrical Data</b>	
Input voltage	DC24V
Insulation class	Class III
Cable	2 PCS rubber cable 20CM cables with waterproof connector
Driver	Low voltage constant current output ,excluding the transformer
Control	DMX512 or Stand alone

### Construction Data

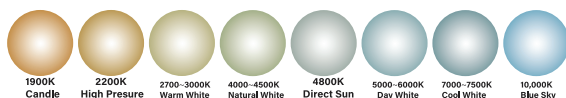
IP rating	IP65 Waterproof
IK rating	IK04
Housing	Die-casting aluminium
Protection finishing	Powder coated painting in grey color
Trim	Die-casting aluminium
Glass	Tempered Glass.T=4mm.
Loading capacity	220kgs
Cable Gland	PG7 IP67
Gasket	PMQ silicone gasket seal
<b>Accessories</b>	
Bracket	Aluminium bracket



### Beam angle



Optional Integrated Dimmable Driver / 1-10 / DMX / DALI / TRIAC  
LED Drivers - **PHILIPS** **GTI**  
**MW** **ATCI** **TRIDONIC**



LED Chips - **PHILIPS** **CITIZEN**  
**BRIDGELUX** **CREE** **SHARP** **SAMSUNG**



# PRODUCT 2020 CATALOGUE

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