iinno lighting

Landscape lighting

Designing your lighting solutions

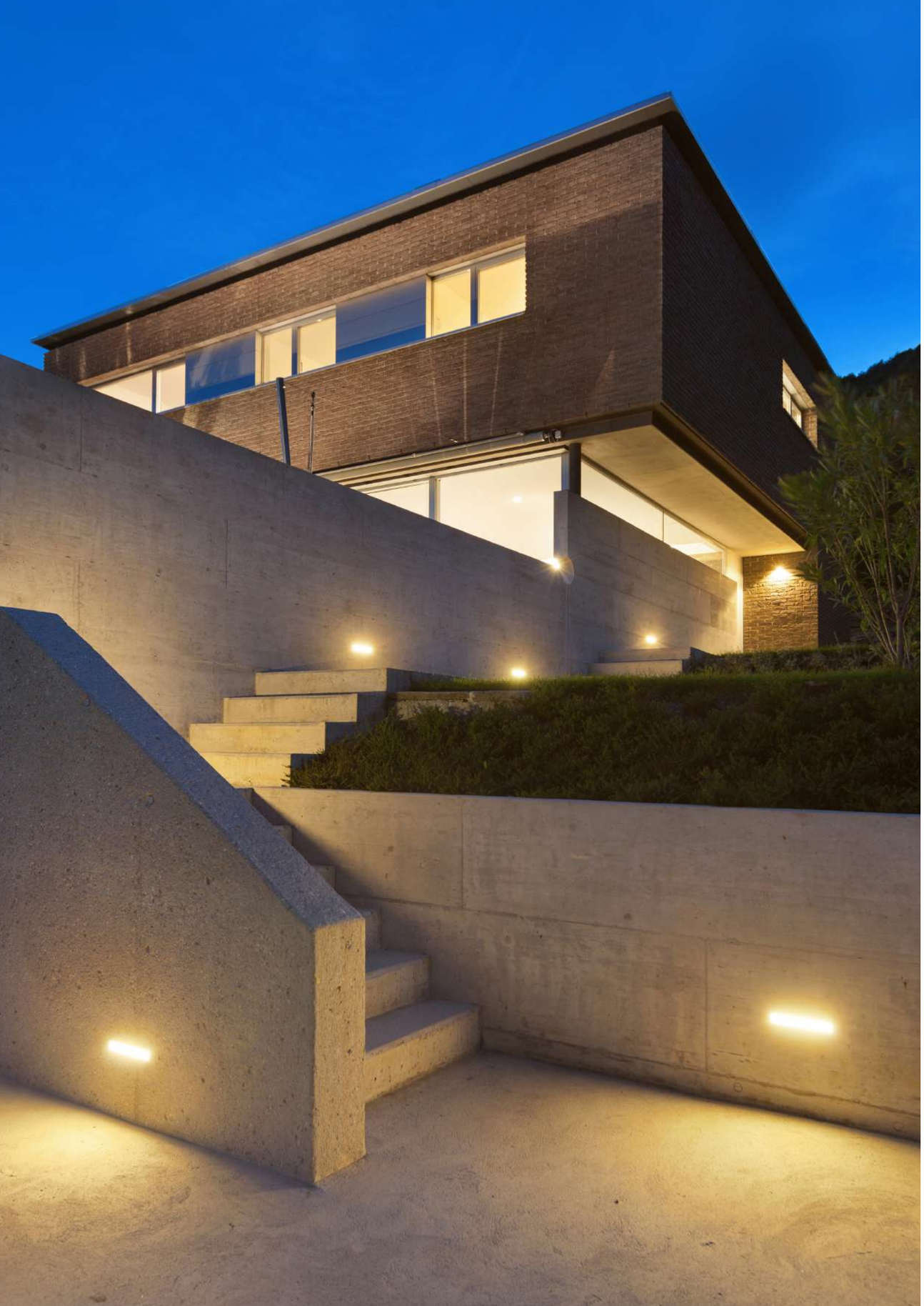
Outdoor



Landscape lighting

Energy efficiency through innovative design.

Recessed Lights	5-24
Inground Lights	26-61
Landscape Lights	61-79
Swimming Pool Lights	82-95
Linear Lights	97-103
Wall Mounting	105-124
Pole Lights	126-129
Spot Lights	131-137



Recessed
LED Stair Light & Wall Light



LED COLOUR TEMPERATURE

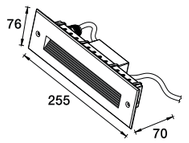
2000K• 3000K• 6000K

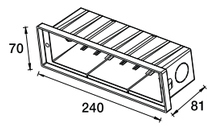
OPTICS

N/A

OUTER DIMENSIONS & ACCESSORIES

Unit:mm





Mounting Sleeve 074#

MATERIAL SPECIFICATIONS

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

FRONT COVER OPTIONS

Basic



Sanded Dark Grey
KAP 7037

Secondary

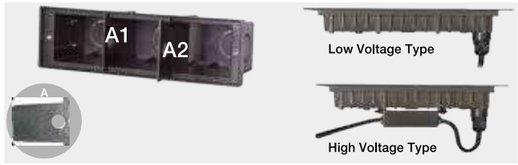


Silver Grey
KAP 9022



Sanded Black
RAL9005

MOUNTING SLEEVE CHARACTERISTIC

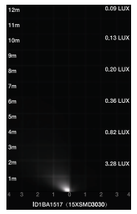


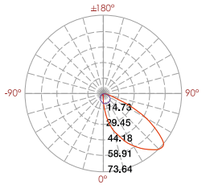
- The above picture – the supporting plate “A1” and “A2” are used for preventing deformation of the sleeve during the construction installation process.
- Please remove the supporting plate “A1” and “A2” from the mounting sleeve before the lamp installation.

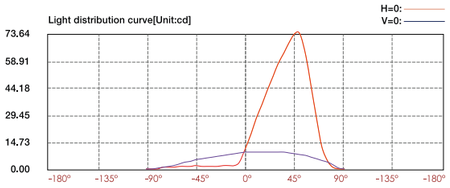
TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ID1BA1517	15×SMD3030	24V DC 120/240	24V = 200 120V = 90 240V = 52	24V = 4.8 120V = 6.4 240V = 6.5	Cool White = 99 Warm White = 92	10

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	3.28 LUX	4.30m	1.70m
4m	0.82 LUX	8.60m	3.40m
6m	0.36 LUX	12.9m	5.10m
8m	0.20 LUX	17.2m	6.90m
10m	0.13 LUX	21.4m	8.60m
12m	0.09 LUX	25.7m	10.3m

Ver.Spread:94.1 Horiz.Spread:46.5

CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI

Recessed
LED Stair Light & Wall Light



LED COLOUR TEMPERATURE

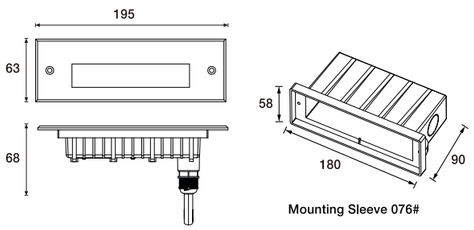
2000K• 3000K• 6000K

OPTICS

N/A

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



Mounting Sleeve 076#

MATERIAL SPECIFICATIONS

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

FRONT COVER OPTIONS

Basic



Sanded Dark Grey
KAP 7037

Secondary



Silver Grey
KAP 9022



Sanded Black
RAL9005

MOUNTING SLEEVE CHARACTERISTIC



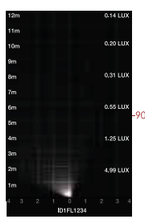
High Voltage Type

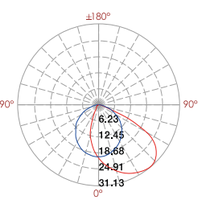
- The above picture – the supporting plate “A” is used for preventing deformation of the sleeve during the construction installation process.
- Please remove the supporting plate “A” from the mounting sleeve before the lamp installation.

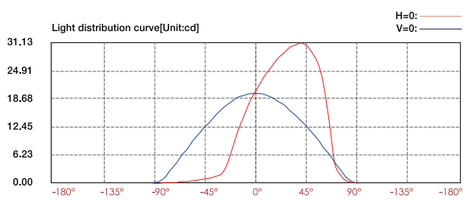
TECHNICAL DATA

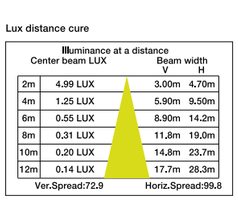
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ID1FL1234	12X0.2	N/A	120°	24V DC 120/240	24V = 52 120V = 29 240V = 20	24V = 1.24 120V = 1.7 240V = 2	Cool White = 58 Warm White = 55.5	10

PHOTOMETRIC CURVES









CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI

Recessed
LED Stair Light & Wall Light



FRONT COVER OPTIONS

—Basic
Sanded Dark Grey
KAP 7037



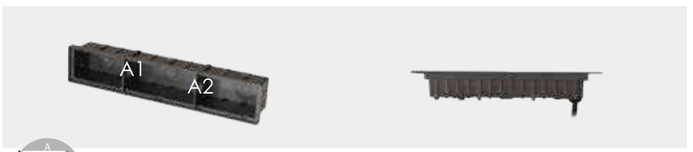
—Secondary
Silver Grey
KAP 9022



Sanded Black
RAL9005



Mounting sleeve characteristic



High voltage type

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

LED COLOUR TEMPERATURE

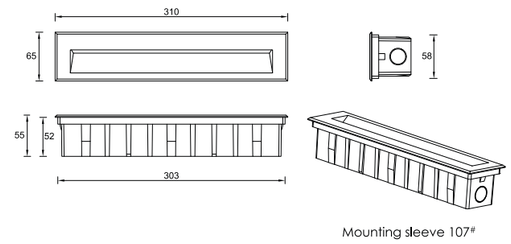
2000K ・3000K・6000K

OPTICS

N/A

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



Mounting sleeve 107#

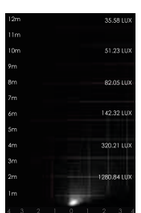
MATERIAL SPECIFICATIONS

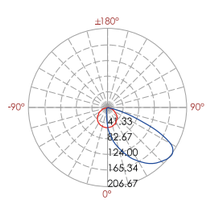
Housing & Front cover	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
Light Window	Glass T=1.8mm
Cable gland	IP67 copper and nicked coated
Gasket	Molding shaped silicone seal
LED Driver	Constant Voltage Input,Constant Current Output
Operating temperature	-20˚C~40˚C
Power Cable	H05RN-F 2X1.0mm² L=0.5m (low voltage) H05RN-F 3X1.0mm² L=0.5m (high voltage)
Mounting sleeve	ABS 107#
Dimmable Support	Triac PWM 1-10V Dali

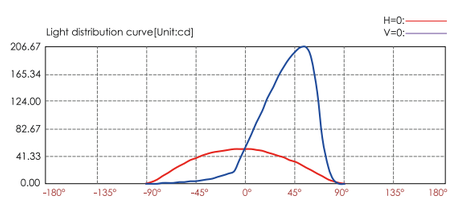
TECHNICAL DATA

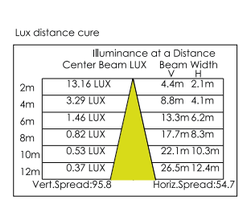
Item	Light source	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
ID1DA3034	30×0.3W	120°	24VDC 240V	24V = 380 240V = 44	24V = 9.1 240V = 10	Cool white =330 Warm white =292	10

PHOTOMETRIC CURVES









CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI

Diffused Beam
Recessed LED Stair Light & Wall Light

Stainless Steel Front Cover



MOUNTING SLEEVE CHARACTERISTIC





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

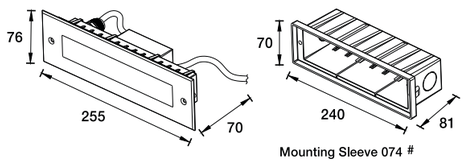
LED COLOUR TEMPERATURE

2000K•3000K•6000K

OPTICS

N/A

OUTER DIMENSIONS & ACCESSORIES Unit:mm



Mounting Sleeve 074 #

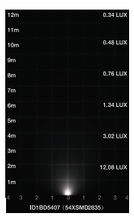
MATERIAL SPECIFICATIONS

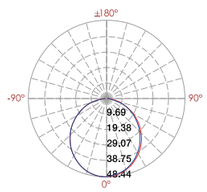
HOUSING	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chrome-plated Stainless steel 316L#
LIGHT WINDOW	PC T=3mm
CABLE GLAND	IP68 PG-9 PA66
GASKET	Molding shaped silicone seal
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING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

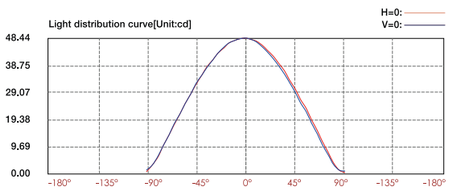
TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ID1BD5407	54×SMD2835	24V DC 120/240	24V = 220 120V = 95 240V = 53	24V = 5.3 120V = 6.7 240V = 6.8	Cool White = 141 Warm White = 132	09

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

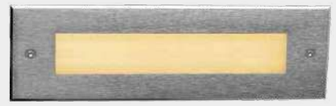
	Center beam LUX	Beam width V	Beam width H
2m	12.08 LUX	5.60m	5.50m
4m	3.02 LUX	11.3m	11.0m
6m	1.34 LUX	16.9m	16.5m
8m	0.76 LUX	22.6m	22.0m
10m	0.48 LUX	28.2m	27.5m
12m	0.34 LUX	33.9m	33.0m

Ver.Spread:109.4 Horiz.Spread:107.9

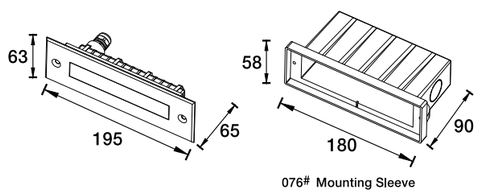
CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI

Diffused Beam
Recessed LED Stair Light & Wall Light

Stainless Steel Front Cover



OUTER DIMENSIONS & ACCESSORIES Unit:mm



076# Mounting Sleeve

FRONT COVER OPTIONS

Basic



Sanded Dark Grey
KAP 7037

Secondary



Silver Grey
KAP 9022



Sanded Black
RAL9005

LED COLOUR TEMPERATURE

2000K•3000K•6000K

OPTICS

N/A

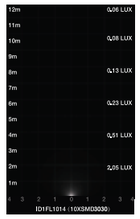
MATERIAL SPECIFICATIONS

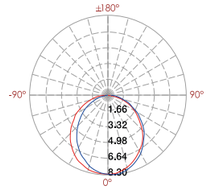
HOUSING	12# Die-casting grey powder coated aluminum T=60-80μm Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chrome-plated stainless steel SUS 316L#
LIGHT WINDOW	Step tempered glass.T=8mm
CABLE GLAND	IP68 PG-9 PA66
GASKET	Tooling shaped seal
LED DRIVER	Constant Voltage Input,Constant Current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

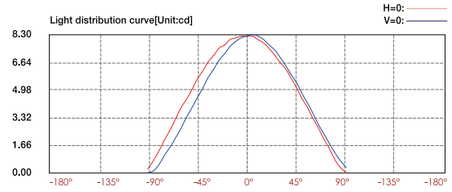
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ID1FL1014	10×SMD3030	120°	24V DC 120/240	24V = 114 120V = 55 240V = 32	24V = 2.7 120V = 3.5 240V = 3.6	Cool White = 34 Warm White = 35	09

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

	Center beam LUX	Beam width V	Beam width H
2m	2.05 LUX	5.80m	5.10m
4m	0.51 LUX	11.5m	10.1m
6m	0.23 LUX	17.3m	15.2m
8m	0.13 LUX	23.0m	20.2m
10m	0.08 LUX	28.8m	25.3m
12m	0.06 LUX	34.5m	30.3m

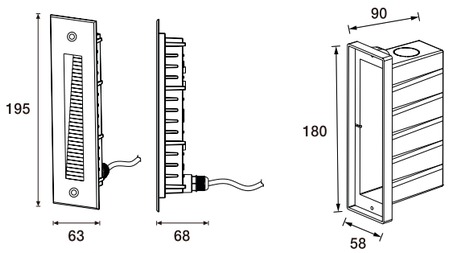
Ver.Spread:110.4 Horiz.Spread:103.3

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Recessed
LED Stair Light & Wall Light



OUTER DIMENSIONS & ACCESSORIES Unit:mm



LED COLOUR TEMPERATURE

2000K•3000K•6000K

OPTICS


B38


30°
L0130D014YH


40°
L0140D014YH

MATERIAL SPECIFICATIONS

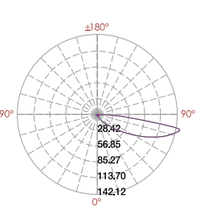
HOUSING	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	12# Die-casting aluminum
LIGHT WINDOW	Tempered glass T=2mm
CABLE GLAND	IP68 PG-9 PA66
GASKET	Molding shaped silicone seal
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING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

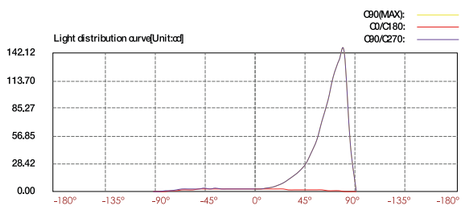
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB1FL0157	1X2W	B38	30°	24V DC 120/240	24V = 105 120V = 40 240V = 25	24V = 2.5 120V = 2.7 240V = 2.8	Cool White = 64 Warm White = 55	10

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at adistance

Center beam LUX		Beam width V	H
2m	0,69 LUX	0,9m	1,5m
4m	0,17 LUX	1,7m	3,0m
6m	0,08 LUX	2,6m	4,5m
8m	0,04 LUX	3,4m	6,0m
10m	0,03 LUX	4,3m	7,4m
12m	0,02 LUX	5,1m	8,9m

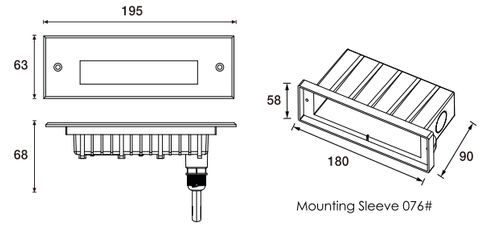
Ver.Spread:24,1 Horiz.Spread:40,8

CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI

Recessed
LED Stair Light & Wall Light



OUTER DIMENSIONS & ACCESSORIES Unit:mm



FRONT COVER OPTIONS

Basic


Sanded Dark Grey
KAP 7037

Secondary


Silver Resistant Paint
RAL 9006


Sanded Black
RAL9005

LED COLOUR TEMPERATURE

2000K•3000K•6000K

MATERIAL SPECIFICATIONS

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

MOUNTING SLEEVE CHARACTERISTICS

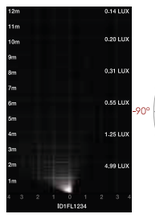


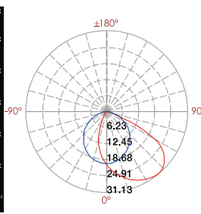
- The above picture – the supporting plate "A" is used for preventing deformation of the sleeve during the construction installation process.
- Please remove the supporting plate "A" from the mounting sleeve before the lamp installation.

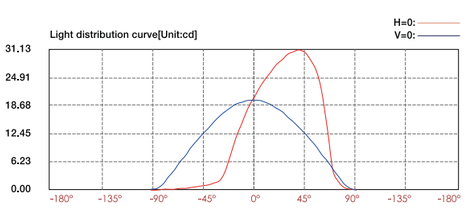
TECHNICAL DATA

ITEM	LIGHT SOUvE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ID1FL1234	12X0.2	N/A	120°	24V DC 120/240	24V = 52 120V = 29 240V = 20	24V = 1.24 120V = 1.7 240V = 2	Cool White = 58 Warm White = 55.5	10

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

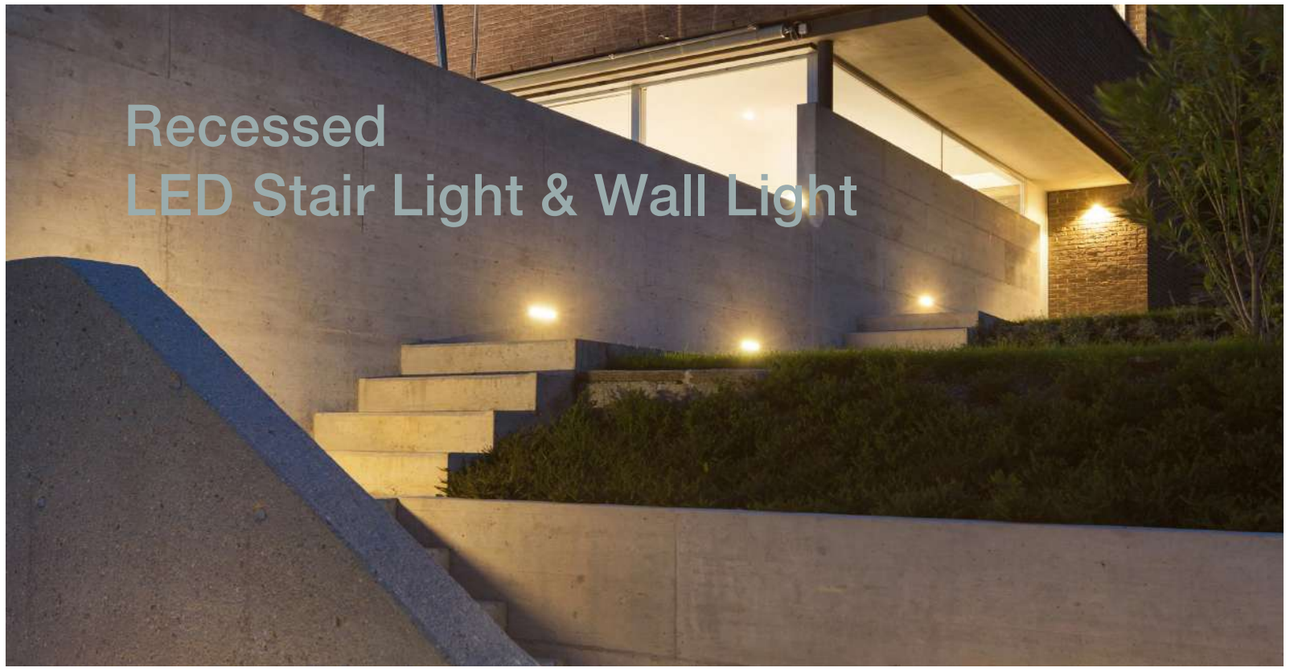
Center beam LUX		Beam width V	H
2m	4.99 LUX	3.00m	4.70m
4m	1.25 LUX	5.90m	9.50m
6m	0.55 LUX	8.90m	14.2m
8m	0.31 LUX	11,8m	19,0m
10m	0.20 LUX	14,8m	23,7m
12m	0.14 LUX	17.7m	28.3m

Ver.Spread:72.9 Horiz.Spread:99.8

CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI

Recessed
LED Stair Light & Wall Light





LED COLOUR TEMPERATURE

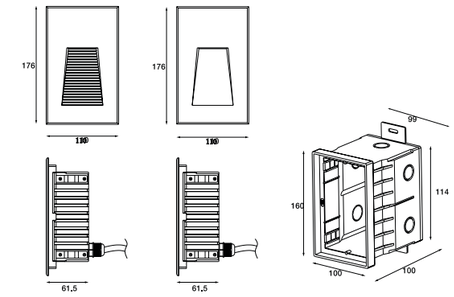
2000K•3000K•6000K

OPTICS

N/A

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



ID1FH1834 ID1FG1834 Mounting Sleeve 091 #

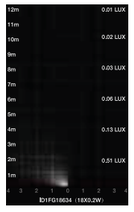
MATERIAL SPECIFICATIONS

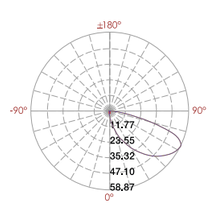
HOUSING	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	12# Die-casting aluminum RAL7037 powder coated T=20-30μm,Adhesion of ISO class 1/ASTM class 4B
LED	SMD3030 type LED
CABLE GLAND	IP67 copper and nicked coated
GASKET	Molding shaped silicone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

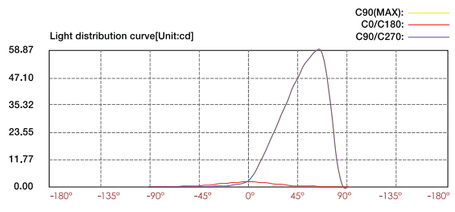
TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ID1FG1834	18×0.2W	24V DC 120/240	24V = 240 120V = 103 240V = 65	24V = 5.5 120V = 7 240V = 7.1	Cool White = 58 Warm White = 85	10
ID1FH1834	18×0.2W	24V DC 120/240	24V = 230 120V = 103 240V = 65	24V = 5.5 120V = 7 240V = 7.1	Cool White = 54.8 Warm White = 76	10

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	0.51 LUX	1.8m	1.70m
4m	0.13 LUX	3.5m	3.50m
6m	0.06 LUX	5.3m	5.20m
8m	0.03 LUX	7.0m	7.00m
10m	0.02 LUX	8.8m	8.70m
12m	0.01 LUX	10.6m	10.4m

Ver.Spread:47.5 Horiz.Spread:47.1

CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI

FRONT COVER OPTIONS

Basic



Sanded Dark Grey
KAP 7037

Secondary



Silver Grey
KAP 9022



Sanded Black
RAL9005

MOUNTING SLEEVE CHARACTERISTICS

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



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

Recessed
LED Stair Light & Wall Light



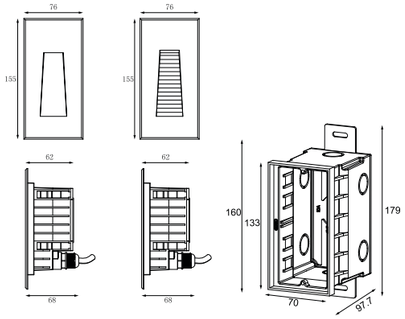


LED COLOUR TEMPERATURE

2000K•3000K•6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



ID1CF0158 ID1CH0158 Mounting Sleeve 090#

OPTICS

N/A

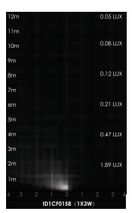
MATERIAL SPECIFICATIONS

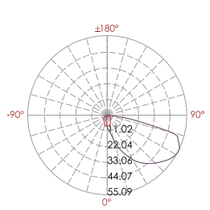
HOUSING	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	12# Die-casting aluminum RAL7037 powder coated T=20-30μm.Adhesion of ISO class 1/ASTM class 4B
LED	SMD3030 type LED
CABLE GLAND	IP67 PG-9 PA66
GASKET	Molding shaped silicone seal
LED DRIVER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

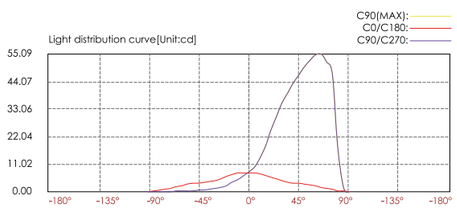
TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ID1CH0158	1×3W	24V DC 120/240	24V = 140 120V = 36 240V = 22	24V = 3.3 120V = 4.2 240V = 4.4	Cool White = 64 Warm White = 55	10
ID1CF0158	1×3W	24V DC 120/240	24V = 140 120V = 36 240V = 22	24V = 3.3 120V = 4.2 240V = 4.4	Cool White = 62 Warm White = 53	10

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	1.89 LUX	2.10m	1.80m
4m	0.47 LUX	4.20m	3.60m
6m	0.21 LUX	6.40m	5.40m
8m	0.12 LUX	8.50m	7.20m
10m	0.08 LUX	10.6m	9.00m
12m	0.05LUX	12.7m	10.8m

Ver.Spread:55.9 Horiz.Spread:48.3

CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI



FRONT COVER OPTIONS

Basic



Sanded Dark Grey
KAP 7037

Secondary



Silver Grey
KAP 9022



Sanded Black
RAL9005

MOUNTING SLEEVE CHARACTERISTICS

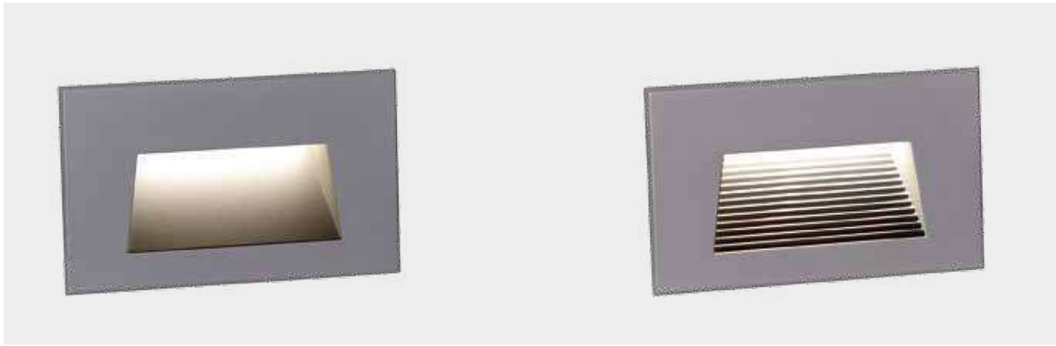


•The clips have been specially modified and upgraded to have a stronger structure in order to make up the absence of the screw fixing.



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

Recessed
LED Stair Light & Wall Light





LED COLOUR TEMPERATURE

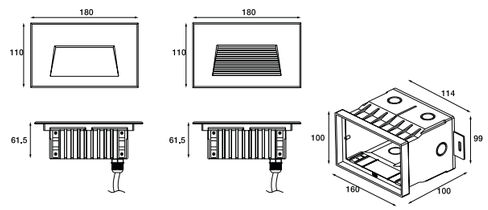
2000K• 3000K• 6000K

OPTICS

N/A

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



ID1FF2034 ID1FA2034 Mounting Sleeve 091 #

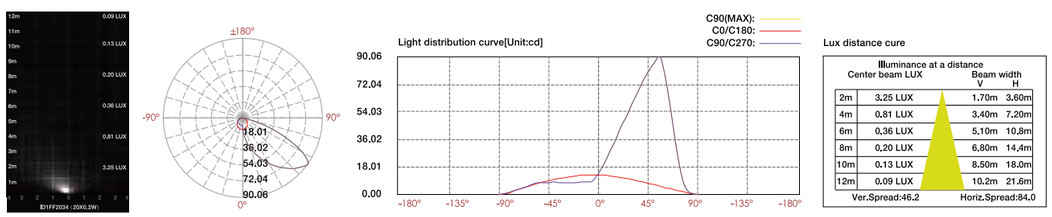
MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	12# Die-casting aluminum RAL7037 powder coated T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LED	SMD3030 type LED
CABLE GLAND	IP-67 copper and nicked coated
GASKET	Molding shaped silicone seal
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20˚C~40˚C
POWER CABLE	H05RN-F 2X1.0mm2 L=0.5m (low voltage) H05RN-F 3X1.0mm2 L=0.5m (high voltage)
MOUNTING SLEEVE	ABS 091#
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ID1FA2034	20×0.2W	24V DC 120/240	24V = 227 120V = 102 240V = 57	24V = 5.6 120V = 6.8 240V = 6.8	Cool White = 103 Warm White = 96.5	10
ID1FF2034	20×0.2W	24V DC 120/240	24V = 227 120V = 101 240V = 56	24V = 5.6 120V = 6.8 240V = 6.8	Cool White = 113.7 Warm White = 104.3	10

PHOTOMETRIC CURVES



Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	3.25 LUX	1.70m	3.60m
4m	0.81 LUX	3.40m	7.20m
6m	0.36 LUX	5.10m	10.8m
8m	0.20 LUX	6.80m	14.4m
10m	0.13 LUX	8.50m	18.0m
12m	0.09 LUX	10.2m	21.6m

Ver.Spread:46.2 Horiz.Spread:84.0

CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI

FRONT COVER COLOR

Basic



Sanded Dark Grey
KAP 7037

Secondary



Silver Grey
KAP 9022



Sanded Black
RAL9005

MOUNTING SLEEVE CHARACTERISTICS

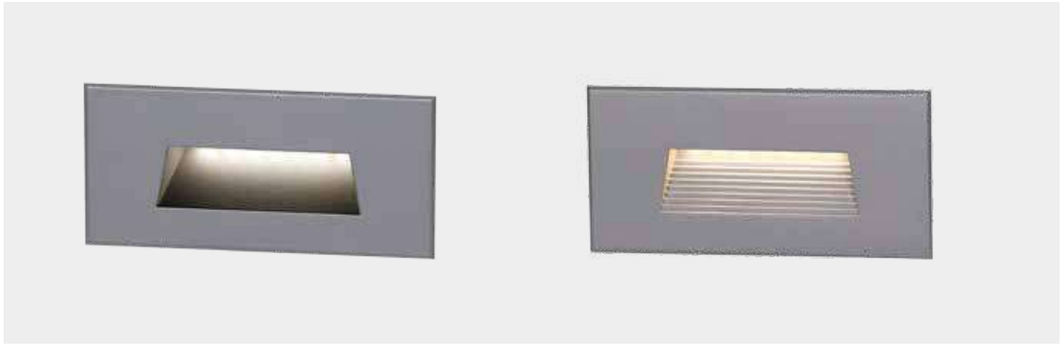


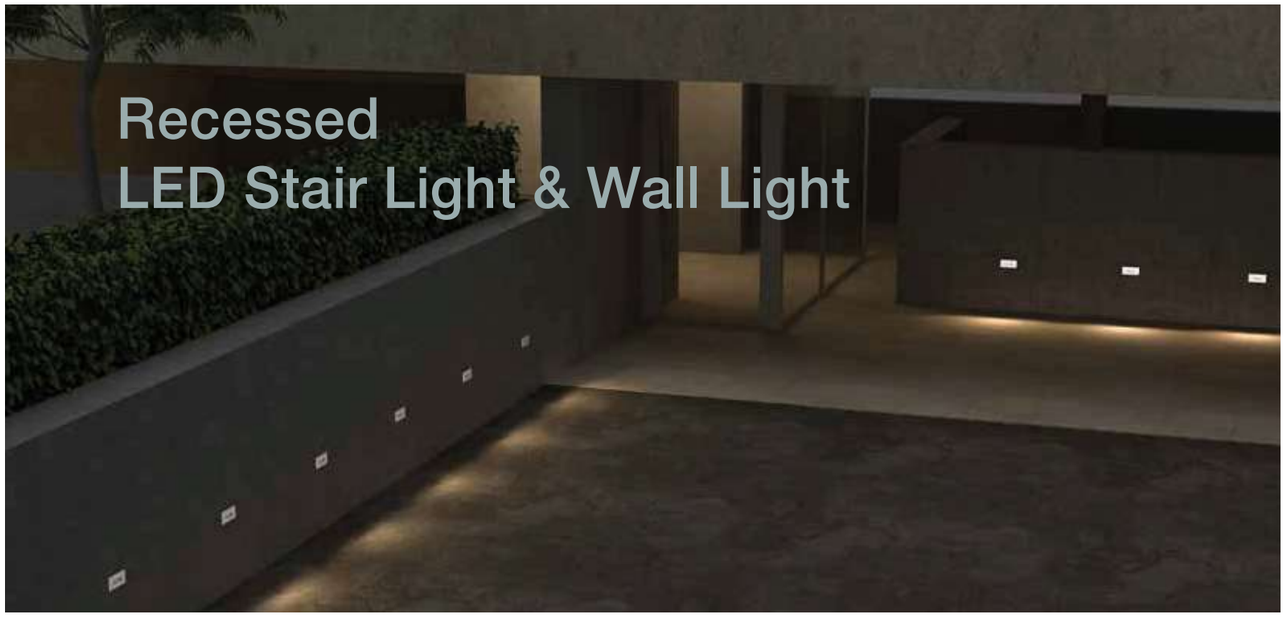
- The clips have been specially modified and upgraded to have a stronger structure in order to make up the absence of the screw fixing.



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

Recessed
LED Stair Light & Wall Light





LED COLOUR TEMPERATURE

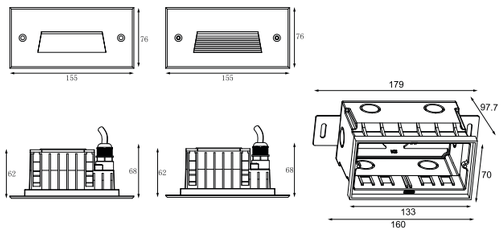
2000K · 3000K · 6000K

OPTICS

N/A

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



ID1CG0734 ID1CA0734 Mounting Sleeve 090#

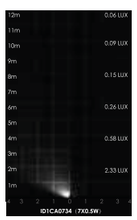
MATERIAL SPECIFICATIONS

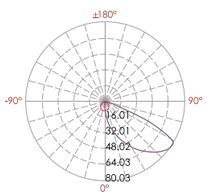
HOUSING	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	12# Die-casting aluminum RAL7037 powder coated T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LED	SMD3030 type LED
CABLE GLAND	IP67 PG-9 PA66
GASKET	Molding shaped silicone seal
LED DRIVER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

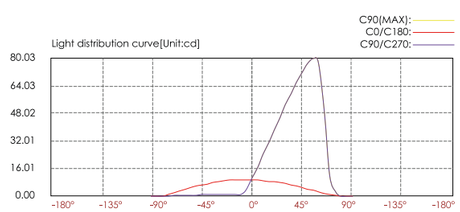
TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ID1CA0734	7×0.5W	24V DC 120/240	24V = 150 120V = 72 240V = 40	24V = 3.5 120V = 4.8 240V = 4.8	Cool White = 85 Warm White = 82	10
ID1CG0734	7×0.5W	24V DC 120/240	24V = 150 120V = 72 240V = 40	24V = 3.5 120V = 4.8 240V = 4.8	Cool White = 104.5 Warm White = 97.9	10

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	2.33 LUX	1.7m	3.70m
4m	0.58 LUX	3.3m	7.40m
6m	0.26 LUX	5.0m	11.1m
8m	0.15 LUX	6.6m	14.8m
10m	0.09 LUX	8.3m	18.5m
12m	0.06 LUX	9.9m	22.2m

Ver.Spread:44.9 Horiz.Spread:85.7

CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI

FRONT COVER COLOR

Basic



Sanded Dark Grey
KAP 7037

Secondary



Silver Grey
KAP 9022



Sanded Black
RAL9005

MOUNTING SLEEVE CHARACTERISTICS

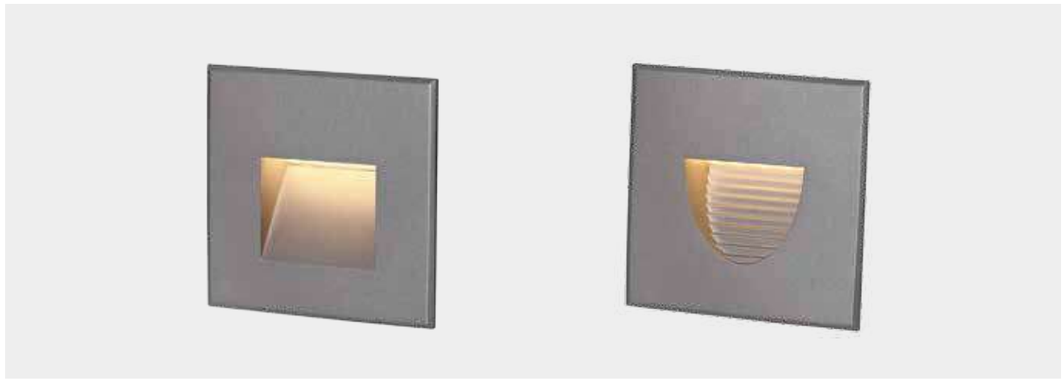


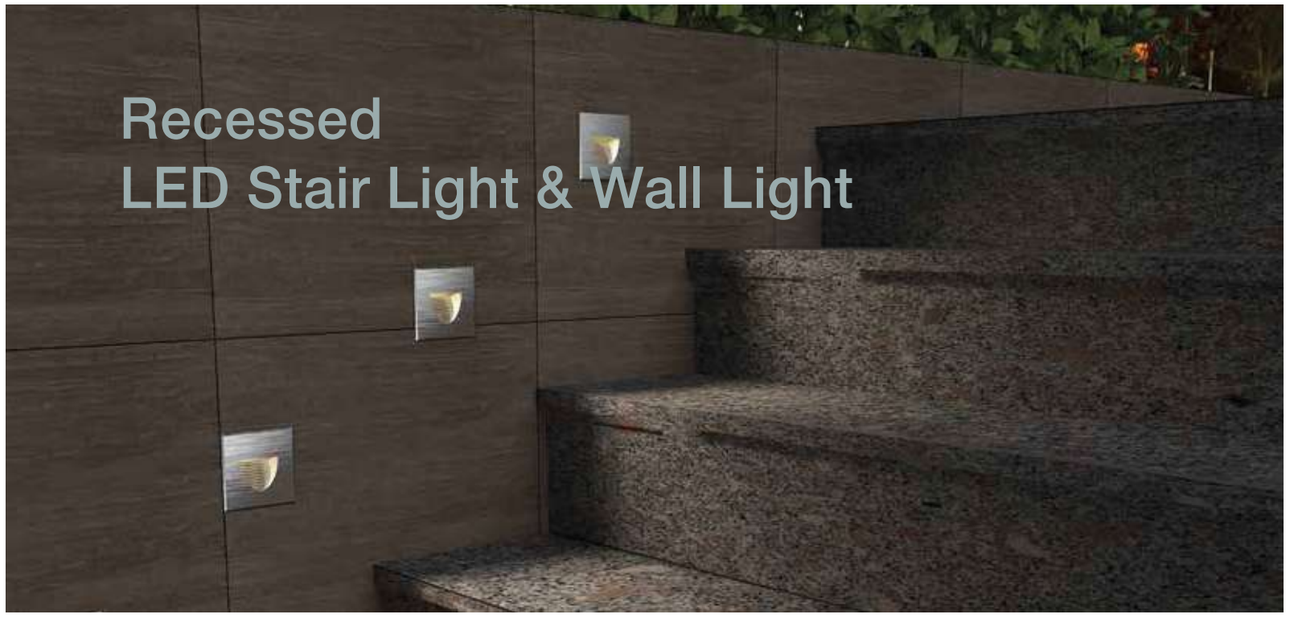
•The clips have been specially modified and upgraded to have a stronger structure in order to make up the absence of the screw fixing.



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

Recessed
LED Stair Light & Wall Light





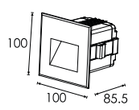
LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

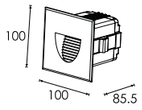
OPTICS

N/A

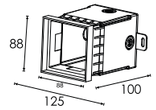
OUTER DIMENSIONS & ACCESSORIES Unit:mm



ID1HA1034



ID1HB1034



Mounting Sleeve 092#

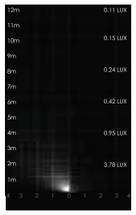
MATERIAL SPECIFICATIONS

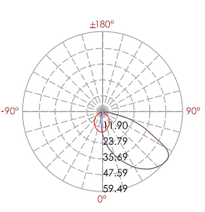
HOUSING	12# Die-casting grey powder coated aluminum T=60-80um Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	12# Die-casting aluminum RAL7037 powder coated T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LED	SMD3030 type LED
CABLE GLAND	IP67 copper and nicked coated
GASKET	Molding shaped silicone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

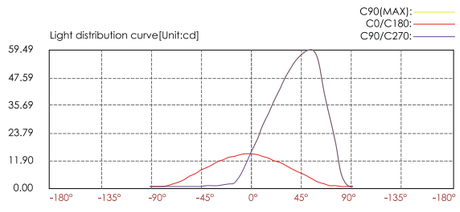
TECHNICAL DATA

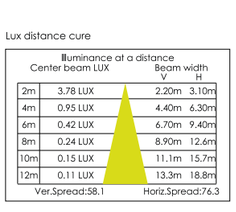
ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ID1HA1034	10×0.5W	24V DC 120/240	24V = 230 120V = 100 240V = 55	24V = 5.5 120V = 6.8 240V = 6.8	Cool White = 124.6 Warm White = 112.9	10
ID1HB1034	10×0.5W	24V DC 120/240	24V = 230 120V = 100 240V = 55	24V = 5.5 120V = 6.8 240V = 6.8	Cool White = 103 Warm White = 94.5	10

PHOTOMETRIC CURVES









CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI

FRONT COVER COLOR

Basic

Sanded Dark Grey
KAP 7037

Secondary

Silver Grey
KAP 9022



Sanded Black
RAL9005

MOUNTING SLEEVE CHARACTERISTICS



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



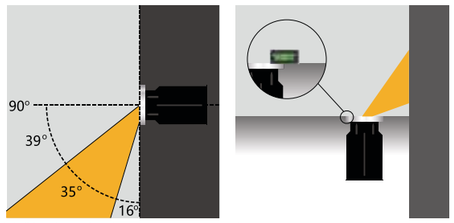
- There are two metal support plates on the bottom of the sleeve It is used for fixing and preventing the mounting sleeve shifting while filling the concrete.
- These will simply installer and electrician while they are recessing the sleeves.

Trimless Asymmetrical Recessed Stair Light and Wall Light



IB1ABR0102 IB1ABS0102

ASYMMETRICAL DEMO



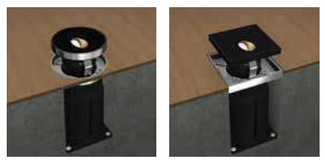
Wall light application

Inground/wall washer application

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

INSTALLATION DEMO



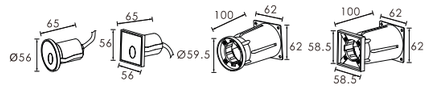
OPTICS

N/A

OUTER DIMENSIONS & ACCESSORIES

Unit:mm

Housing Mounting sleeve



IB1ABR0102 IB1ABS0102 098# 099#

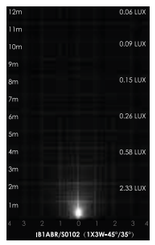
MATERIAL SPECIFICATIONS

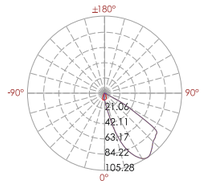
Housing	12 # Die-casting aluminum T=20-25μm.Adhesion of ISO class 1/ ASTM class 4B high temperature painting
Light Source	Emitter type power LED
LED Driver	Constant Voltage Input,Constant Current Output
Glass pressure capacity	Full area=2292kgs
Operating temperature	-20°C~40°C
Power Cable	H05RN-F 2X1.0mm² L=0.3m
Mounting sleeve	ABS 098#/099 #+Stainless Steel Ring

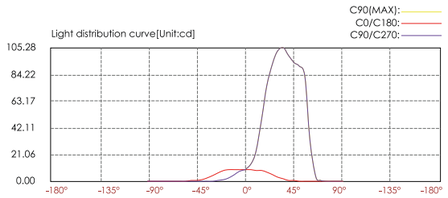
TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
IB1ABR0102	1×3W	L0180C010AR	45° / 35°	24V DC	137	3.3	Cool white =54 Warm white =52	04
IB1ABS0102	1×3W	L0180C010AR	45° / 35°	24V DC	137	3.3	Cool white =54 Warm white =52	04

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	2.33 LUX	1.6m	1.3m
4m	0.58 LUX	3.3m	2.6m
6m	0.26 LUX	4.7m	3.9m
8m	0.15 LUX	6.2m	5.2m
10m	0.09 LUX	7.8m	6.5m
12m	0.06 LUX	9.3m	7.8m

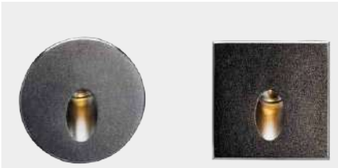
Ver.Spread:42.5 Horiz.Spread:36.1

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI



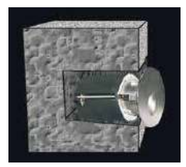
Recessed LED Stair Light & Wall Light

Stainless steel front cover with Matt Surface



IB1SR0101 B IB1SR0101 B

BEAM EFFECT DEMO



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

LED COLOUR TEMPERATURE

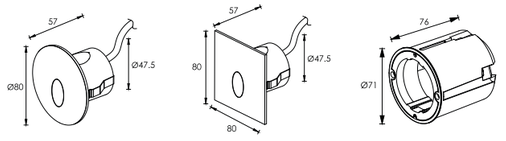
2000K · 3000K · 6000K

OPTICS

N/A

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



IB1SR0101 B IB1SS0101 B Mounting Sleeve 035#

MATERIAL SPECIFICATIONS

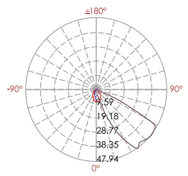
HOUSING	Molding shaped stainless-steel SUS 316L
LIGHT SOURCE	OSRAM
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H05RN-F 2X1.0mm2 L=0.5m (low voltage) H05RN-F 3X1.0mm2 L=0.5m (high voltage)
MOUNTING SLEEVE	ABS 035#
DIMMABLE SUPPORT	Triac PWM 1-10V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

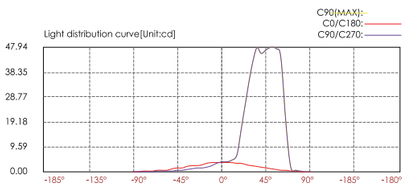
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB1SR0101 B	1×1W	L0180C010AR	80°	24V DC 120/240	24V = 59 120V = 26 240V = 16	24V = 1.46 120V = 1.7 240V = 1.7	Cool White = 51 Warm White = 46	10
IB1SR0101 B	1×1W	L0180C010AR	80°	24V DC 120/240	24V = 59 120V = 26 240V = 16	24V = 1.46 120V = 1.7 240V = 1.7	Cool White = 51 Warm White = 46	10

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	0.91 LUX	1.4m	1.4m
4m	0.23 LUX	3.0m	2.7m
6m	0.10 LUX	4.5m	4.1m
8m	0.60 LUX	6.0m	5.4m
10m	0.04 LUX	7.5m	6.8m
12m	0.03 LUX	8.9m	8.1m

Ver.Spread:39.4 Horiz.Spread:.37.4

CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI



Recessed
LED Stair Light & Wall Light

Stainless steel front cover with Matt Surface



IB1AAR0102



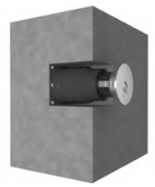
IB1AAS0102

LIGHTING EFFECT DEMO & INSTALLATION

Wall Recessed



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



LED COLOUR TEMPERATURE

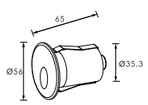
2000K · 3000K · 6000K

OPTICS

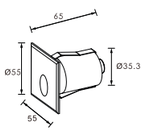
N/A

OUTER DIMENSIONS & ACCESSORIES

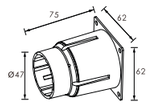
Unit:mm



IB1AAR0102



IB1AAS0102



Mounting Sleeve 100#

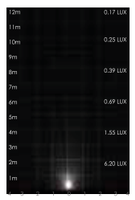
MATERIAL SPECIFICATIONS

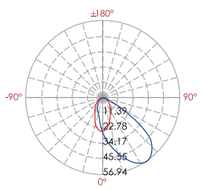
HOUSING	12# Die-casting aluminum T=20-25μm.Adhesion of ISO class 1/ ASTM class 4B high temperature painting
FRONT COVER	Hard chrome-plated stainless steel SUS 316#
LIGHT SOURCE	OSRAM
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H05RN-F 2X1.0mm2 L=0.3m(low voltage)
MOUNTING SLEEVE	ABS 100 #
DIMMABLE SURPPORT	Triac PWM 1-10V Dali

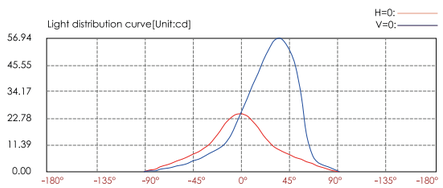
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB1AAR0102	1×2W	L0180C010AR	50°	24V DC	100	2.4	Cool White = 40 Warm White = 36	10
IB1AAS0102	1×2W	L0180C010AR	50°	24V DC	100	2.4	Cool White = 40 Warm White = 36	10

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	6.20 LUX	1.6m	2.00m
4m	1.55 LUX	3.2m	4.10m
6m	0.69 LUX	4.8m	6.10m
8m	0.39 LUX	6.4m	8.10m
10m	0.24 LUX	8.0m	10.1m
12m	0.17 LUX	9.6m	12.2m
Ver.Spread:43.7		Horiz.Spread:53.8	

CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI



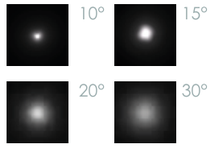
Up Beam Type
Mini LED inground light



OPTICS



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



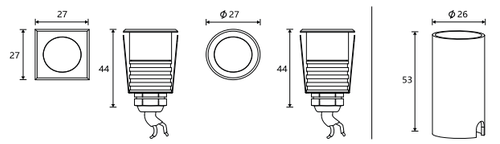
LED COLOUR TEMPERATURE

2000K ・3000K・6000K

MATERIAL SPECIFICATIONS

HOUSING	Aluminum anodized finshing or powder painting
FRONT RING	Hard chromeplated stainless steel SUS 316#
PMMA	T=2mm
CABLE GLAND	IP67 Nickel coated copper
GASKET	Silicone seal
LENS	Optical lens.efficiency≥85%
LED DRIVER	Constant Current Input
OPERATING TEMPERATURE	-20˚C~40˚C
POWER CABLE	H05RN-F 2X0.5mm2 L=0.3m
MOUNTING SLEEVE	ABS 104#
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

OUTER DIMENSIONS & ACCESSORIES Unit:mm

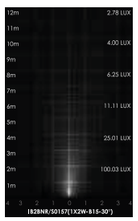


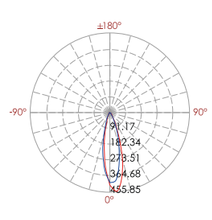
IB2BNS0157 IB2BNR0157 104# Mounting sleeve

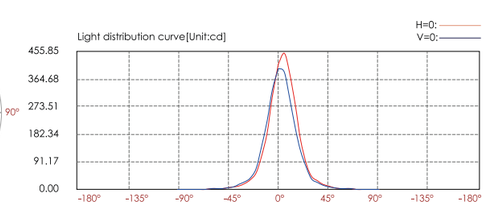
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB2BNR0157	1×2W	B15	20°	3V DC	500	1.5	Cool White = 148 Warm White =135	02
IB2BNS0157	1×2W	B15	20°	3V DC	500	1.5	Cool White = 148 Warm White = 135	02

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	100.03 LUX	0.9m	0.9m
4m	25.01 LUX	1.8m	1.9m
6m	11.11 LUX	2.7m	2.8m
8m	6.25 LUX	3.6m	3.8m
10m	4.00 LUX	4.6m	4.7m
12m	2.78 LUX	5.5m	5.6m

Ver.Spread:25.7 Horiz.Spread:26.4

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Soft Beam Type
Mini LED Inground Light



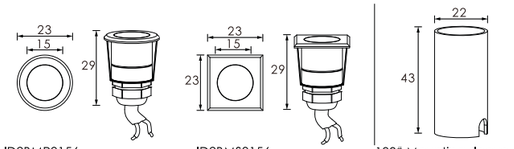
OPTICS

N/A

LED COLOUR TEMPERATURE

2000K ・3000K・6000K

OUTER DIMENSIONS & ACCESSORIES Unit:mm



ID2BMR0156 ID2BMS0156 103# Mounting sleeve

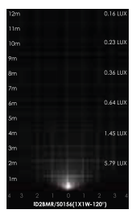
MATERIAL SPECIFICATIONS

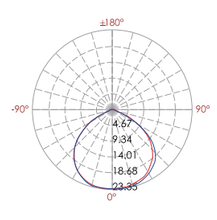
HOUSING	Aluminum anodized finshing or powder painting
FRONT RING	Hard chromeplated stainless steel SUS 316#
PMMA	T=2mm
CABLE GLAND	IP67 Nickel coated copper
GASKET	Silicone seal
LED DRIVER	Constant Current Input
OPERATING TEMPERATURE	-20˚C~40˚C
POWER CABLE	H05RN-F 2X0.5mm2 L=0.3m
MOUNTING SLEEVE	ABS 103#
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

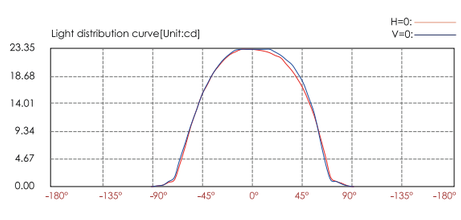
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ID2BMR0156	1×1W	——	120°	3V DC	350	1	Cool White = 66 Warm White = 58	02
ID2BMS0156	1×1W	——	120°	3V DC	350	1	Cool White = 66 Warm White = 58	02

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	5.79 LUX	5.40m	5.50m
4m	1.45 LUX	10.8m	11.0m
6m	0.64 LUX	16.3m	16.6m
8m	0.36 LUX	21.7m	22.1m
10m	0.23 LUX	27.1m	27.1m
12m	0.16 LUX	32.5m	33.1m

Ver.Spread:107.2 Horiz.Spread:108.2

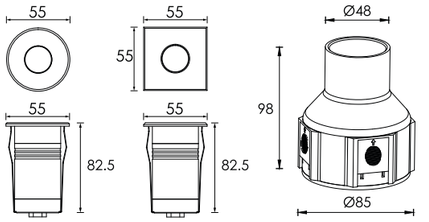
CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Strong up light
Power LED Inground Light



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



IB2WDR0157 A IB2WDS0157 A Mounting sleeve 011#

OPTIONAL HONEYCOMB LOUVER



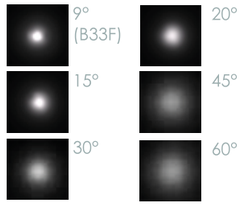
LED COLOUR TEMPERATURE

2000K ・3000K・6000K

OPTICS



B33(B33D/B33F)
L0109F023YH 9°
L0115D023YH 15°
L0120D023YH 20°
L0130D023YH 30°
L0145D023YH 45°
L0160D023MD 60°



MATERIAL SPECIFICATIONS

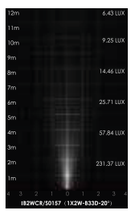
HOUSING	12# Die-casting grey powder coated aluminum. T=60-80μm Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chromeplated stainless steel SUS 316#
LIGHT WINDOW	Tempered frosted step glass.T=7mm
LED	OSRAM
GLASS PRESSURE CAPACITY	Full area=1704kgs
GASKET	Molding shaped silicone seal
LENS	Optical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

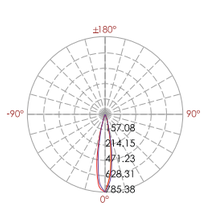


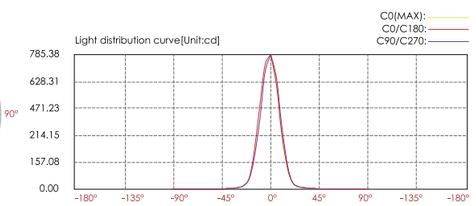
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB2WDR0157 A	1×2W	B33D	30°	24V DC 120/240	24V=105 120V=47 240V=28	24V=2.5 120V=3.0 240V=3.1	Cool White = 183 Warm White =143	08
IB2WDS0157 A	1×2W	B33D	30°	24V DC 120/240	24V=105 120V=47 240V=28	24V=2.5 120V=3.0 240V=3.1	Cool White = 183 Warm White = 143	08

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	196.35 LUX	0.4m	0.4m
4m	49.09 LUX	0.8m	0.8m
6m	21.82 LUX	1.3m	1.2m
8m	12.27 LUX	1.7m	1.6m
10m	7.85 LUX	2.1m	2.0m
12m	5.45 LUX	2.5m	2.4m

Ver.Spread:20.1 Horiz.Spread:20.6

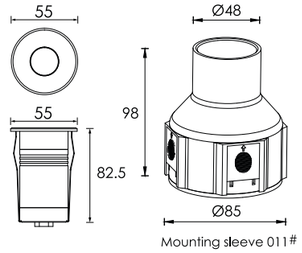
CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Asymmetrical
Power LED Inground Light



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



Mounting sleeve 011#

IMPRESSION DRAWING OF LENS C9





LED COLOUR TEMPERATURE

2000K・3000K・6000K

OPTICS



C9
L01 F023YH



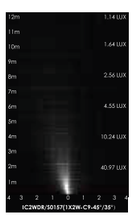
MATERIAL SPECIFICATIONS

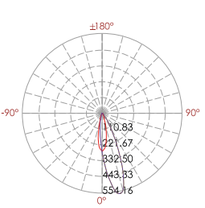
HOUSING	12# Die-casting grey powder coated aluminum. T=60-80μm Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chromeplated stainless steel SUS 316#
LIGHT WINDOW	Tempered frosted step glass.T=7mm
LED	OSRAM
GLASS PRESSURE CAPACITY	Full area=1704kgs
GASKET	Molding shaped silicone seal
LENS	Optical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

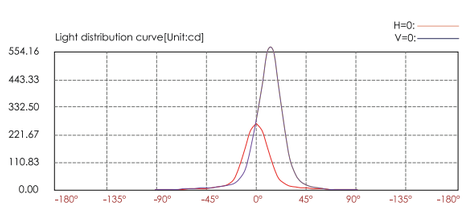
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IC2WDR0157 A	1×2.0W	C9	45° 35°	24V DC 120/240	24V=105 120V=47 240V=28	24V=2.5 120V=3.0 240V=3.1	Cool White = 158 Warm White = 130	08

PHOTOMETRIC CURVES







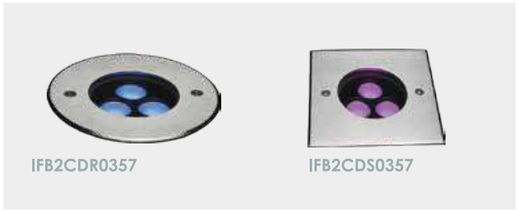
Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	40.97 LUX	0.6m	0.7m
4m	10.25 LUX	1.2m	1.4m
6m	4.55 LUX	1.7m	2.1m
8m	2.56 LUX	2.3m	2.8m
10m	1.64 LUX	2.9m	3.5m
12m	1.14LUX	3.5m	4.2m

Ver.Spread:16.4 Horiz.Spread:20.0

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Symmetrical Power LED Inground Light



LED COLOUR TEMPERATURE

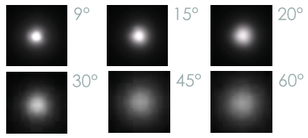
2000K · 3000K · 6000K

OPTICS



FB03

F03B33F09	9°
F03B33D15	15°
F03B33D20	20°
F03B33D30	30°
F03B33D45	45°
F03B33D60	60°

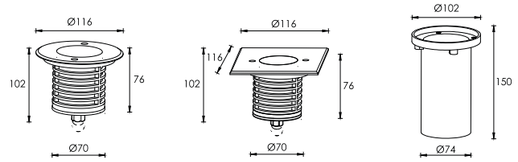


MATERIAL SPECIFICATIONS

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

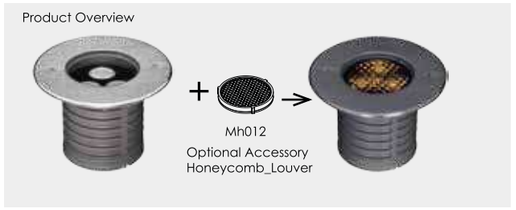
OUTER DIMENSIONS & ACCESSORIES

Unit:mm

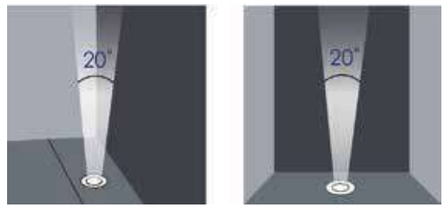


IFB2CDR0357 IFB2CDS0357 Mounting sleeve 015#

OPTIONAL HONEYCOMB LOUVER



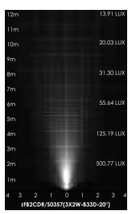
IMPRESSION DRAWING OF LENS FB03

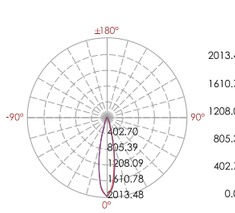


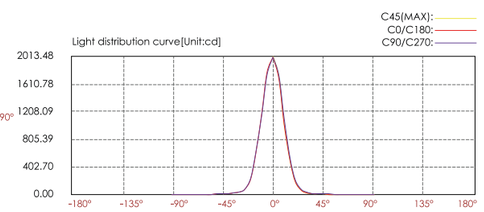
TECHNICAL DATA

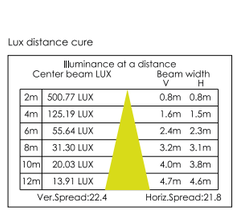
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IFB2CDR0357	3×2W	FB03	20°	24V DC 120/240	24V=206 120V=51 240V=30	24V=5.2 120V=6.0 240V=6.0	Cool White = 479 Warm White =376	08
IFB2CDS0357	3×2W	FB03	20°	24V DC 120/240	24V=206 120V=51 240V=30	24V=5.2 120V=6.0 240V=6.0	Cool White = 479 Warm White = 376	08

PHOTOMETRIC CURVES









CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Asymmetrical Power LED Inground Light



LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS



FC02

F03C10 45° / 35°

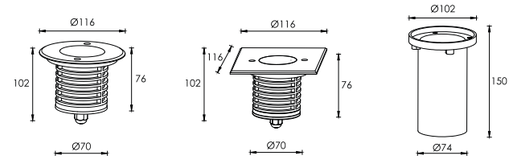


MATERIAL SPECIFICATIONS

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

OUTER DIMENSIONS & ACCESSORIES

Unit:mm

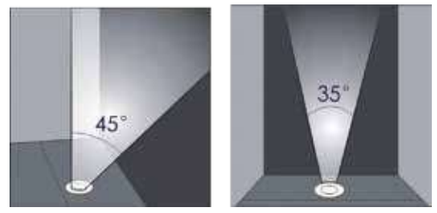


IFC2CDR0357 IFC2CDS0357 Mounting sleeve 015#

OPTIONAL HONEYCOMB LOUVER



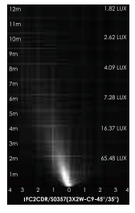
IMPRESSION DRAWING OF LENS FC02

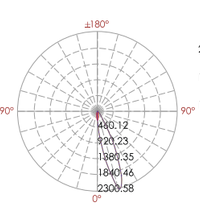


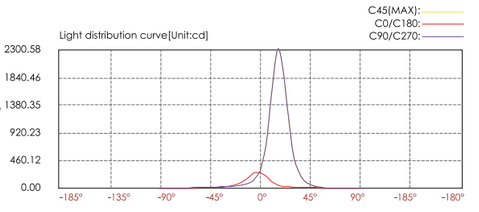
TECHNICAL DATA

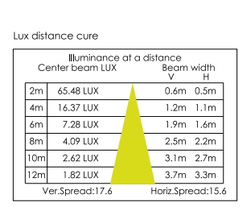
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IFC2CDR0357	3×2W	FC02	45° / 35°	24V DC 120/240	24V=206 120V=51 240V=30	24V=5.2 120V=6.0 240V=6.0	Cool White = 398 Warm White = 359	08
IFC2CDS0357	3×2W	FC02	45° / 35°	24V DC 120/240	24V=206 120V=51 240V=30	24V=5.2 120V=6.0 240V=6.0	Cool White = 398 Warm White = 359	08

PHOTOMETRIC CURVES









CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Symmetrical
LED Up Light/Inground Light



IFB2BFR0657



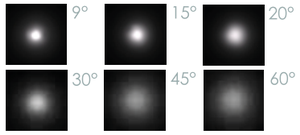
IFB2BFS0657

OPTICS



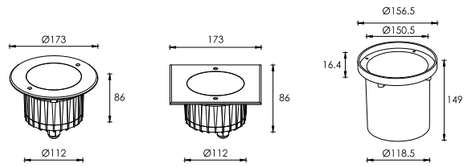
FB06

F06B33F09	9°
F06B33D15	15°
F06B33D20	20°
F06B33D30	30°
F06B33D45	45°
F06B33D60	60°

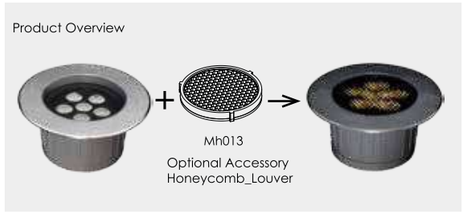


OUTER DIMENSIONS & ACCESSORIES

Unit:mm



OPTIONAL HONEYCOMB LOUVER



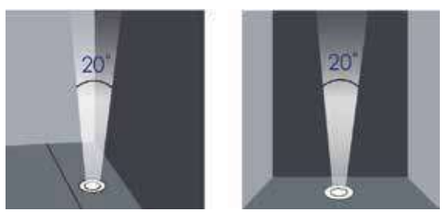
LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

MATERIAL SPECIFICATIONS

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

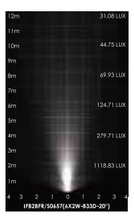
IMPRESSION DRAWING OF LENS FB06

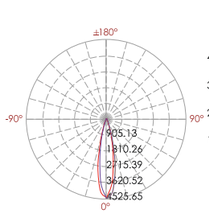


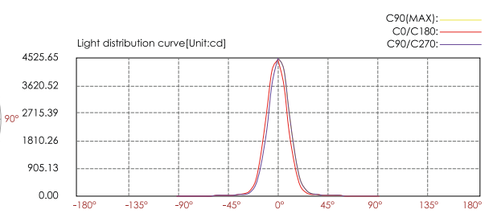
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IFB2BFR0657	6×2W	FB06	20°	24V DC 120/240	24V=526 120V=100 240V=56	24V=13.5 120V=11.8 240V=12.4	Cool White = 956 Warm White =783	07
IFB2BFS0657	6×2W	FB06	20°	24V DC 120/240	24V=562 120V=100 240V=56	24V=13.5 120V=11.8 240V=12.4	Cool White = 956 Warm White =783	07

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	1118.83 LUX	0.8m	0.7m
4m	279.71 LUX	1.5m	1.5m
6m	124.31 LUX	2.3m	2.2m
8m	69.93 LUX	3.0m	3.0m
10m	44.75 LUX	3.8m	3.7m
12m	31.08 LUX	4.5m	4.5m

Ver.Spread:21.4 Horiz.Spread:21.2

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Asymmetrical
LED Up Light/Inground Light



IFC2BFR0657



IFC2BFS0657

OPTICS



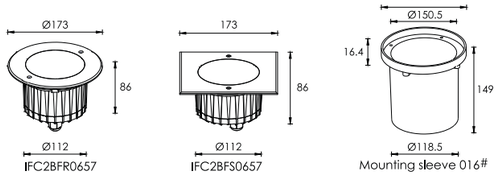
FC04

F06C9 45/35



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



OPTIONAL HONEYCOMB LOUVER



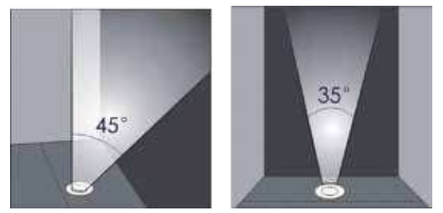
LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

MATERIAL SPECIFICATIONS

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

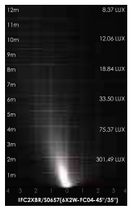
IMPRESSION DRAWING OF LENS FC04

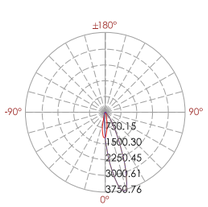


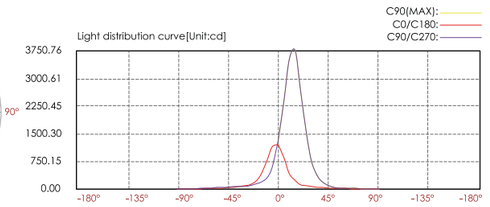
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IFC2BFR0657	6×2W	FC04	45° 35°	24V DC 120/240	24V=526 120V=100 240V=56	24V=13.5 120V=11.8 240V=12.4	Cool White = 944 Warm White = 709	07
IFC2BFS0657	6×2W	FC04	45° 35°	24V DC 120/240	24V=562 120V=100 240V=56	24V=13.5 120V=11.8 240V=12.4	Cool White = 944 Warm White = 709	07

PHOTOMETRIC CURVES







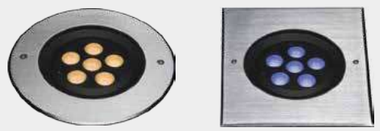
Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	301.49 LUX	0.7m	0.6m
4m	75.37 LUX	1.5m	1.3m
6m	33.50 LUX	2.2m	1.9m
8m	18.54 LUX	3.0m	2.5m
10m	12.06 LUX	3.7m	3.1m
12m	8.37 LUX	4.4m	3.8m

Ver.Spread:20.9 Horiz.Spread:17.8

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Symmetrical 20W High Luminance LED Inground Light



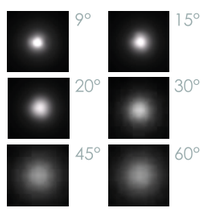
IFB2VAR0658

IFB2VAS0658

OPTICS

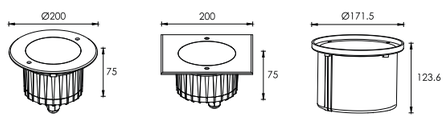


FB06
F06B33F09 9°
F06B33D15 15°
F06B33D20 20°
F06B33D30 30°
F06B33D45 45°
F06B33D60 60°



OUTER DIMENSIONS & ACCESSORIES

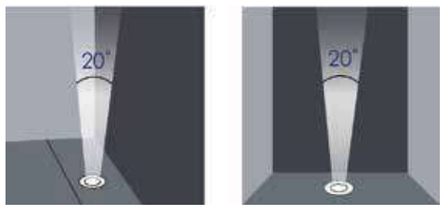
Unit:mm



IFB2VAR0658 IFB2VAS0658 Mounting sleeve 057#



IMPRESSION DRAWING OF LENS FB06



LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

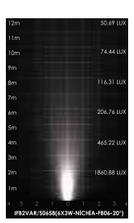
MATERIAL SPECIFICATIONS

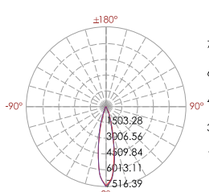
HOUSING	12# Die-casting grey powder coated aluminum. T=60-80μm Adhesion of ISO class 1/ASTM class 4B
FRONT RING	Hard chromeplated stainless steel SUS 316L#
LIGHT WINDOW	Tempered frosted step glass.T=8mm
GLASS PRESSURE CAPACITY	Full area=3489kgs
CABLE GLAND	IP68 PG-9 PA66
GASKET	Sillcone seal
LED	NICHIA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

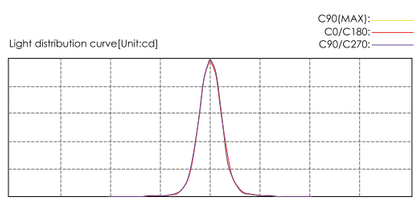
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IFB2VAR0658	6×3W	FB06	20°	24V DC 120/240	24V=850 120V=156 240V=84	24V=20.4 120V=18.6 240V=18.8	Cool White = 1866 Warm White =1605	09
IFB2VAS0658	6×3W	FB06	20°	24V DC 120/240	24V=850 120V=156 240V=84	24V=20.4 120V=18.6 240V=18.8	Cool White = 1866 Warm White =1605	09

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	1860.88 LUX	0.8m	0.8m
4m	465.22 LUX	1.6m	1.6m
6m	206.76 LUX	2.4m	2.4m
8m	116.31 LUX	3.2m	3.2m
10m	74.44 LUX	4.0m	4.0m
12m	51.69 LUX	4.8m	4.9m

Ver.Spread:22.8 Horiz.Spread:22.9

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Asymmetrical 20W High Luminance LED Inground Light



IFC2VAR0658



IFC2VAS0658

OPTICS

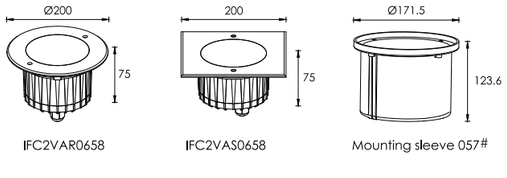


FC04
F06C9 45/35



OUTER DIMENSIONS & ACCESSORIES

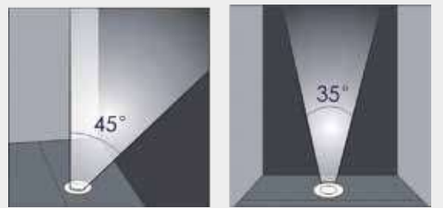
Unit:mm



IFC2VAR0658 IFC2VAS0658 Mounting sleeve 057#



IMPRESSION DRAWING OF LENS FC04



LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

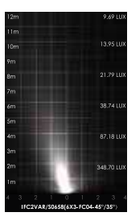
MATERIAL SPECIFICATIONS

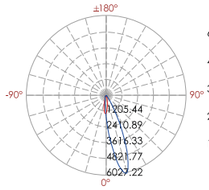
HOUSING	12# Die-casting grey powder coated aluminum. T=60-80μm Adhesion of ISO class 1/ASTM class 4B
FRONT RING	Hard chromeplated stainless steel SUS 316L#
LIGHT WINDOW	Tempered frosted step glass.T=8mm
GLASS PRESSURE CAPACITY	Full area=3489kgs
CABLE GLAND	IP68 PG-9 PA66
GASKET	Silicone seal
LED	NICHIA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

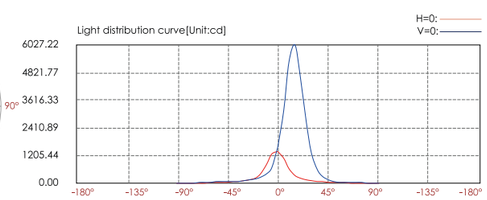
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IFC2VAR0658	6×3W	FC04	45° 35°	24V DC 120/240	24V=850 120V=160 240V=89	24V=20.4 120V=18.6 240V=18.8	Cool White =1543 Warm White =1307	09
IFC2VAS0658	6×3W	FC04	45° 35°	24V DC 120/240	24V=850 120V=160 240V=89	24V=20.4 120V=18.6 240V=18.8	Cool White =1543 Warm White =1307	09

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	348.70 LUX	0.6m	0.7m
4m	87.18 LUX	1.1m	1.4m
6m	38.74 LUX	1.7m	2.1m
8m	21.79 LUX	2.2m	2.8m
10m	13.95 LUX	2.8m	3.5m
12m	9.69 LUX	3.4m	4.2m

Ver.Spread:15.9 Horiz.Spread:19.8

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

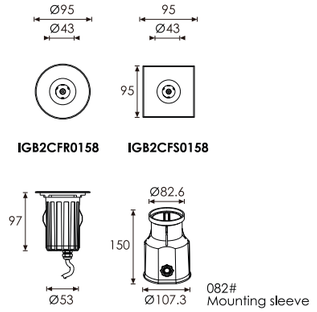


Depth Illuminant
LED Inground Light



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



IGB2CFR0158 IGB2CFS0158

OPTIONAL HONEYCOMB LOUVER

Product Overview

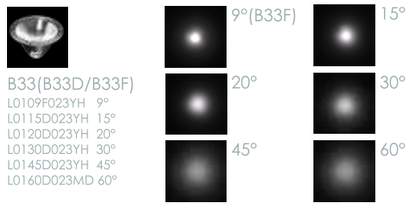


Mh005
Optional Accessory
Honeycomb_Louver

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS



B33(B33D/B33F)
L0109F023YH 9°
L0115D023YH 15°
L0120D023YH 20°
L0130D023YH 30°
L0145D023YH 45°
L0160D023MD 60°

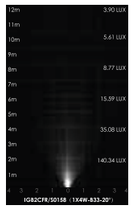
MATERIAL SPECIFICATIONS

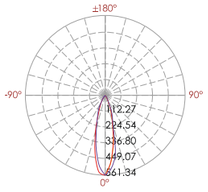
HOUSING	12# die-casting grey powder coated aluminum , T=60-80μm. Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chromeplated stainless steel SUS 316L#
GLASS	Step tempered glass.T=6mm
REFLECTOR	Optical Reflector efficiency≥90%
LED	Osram SMD3030
GLASS PRESSURE CAPACITY	Full Area=1195kgs
CABLE GLAND	IP68 PG-9 PA66
GASKET	Molding shaped seal
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H05RN-F 2X1.0mm2 L=0.5m (low voltage) H05RN-F 3X1.0mm L=0.5m (high voltage)
MOUNTING SLEEVE	ABS
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

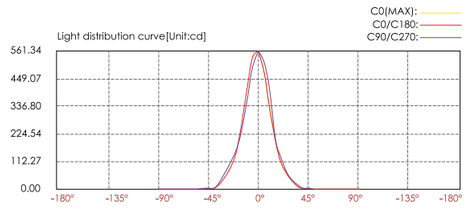
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IGB2CFR0158 IGB2CFS0158	1×4W	B33D	20°	24V DC 120/240	24V=131 120V=36 240V=22	24V=3.10 120V=4.30 240V=4.10	Cool White =230 Warm White =200	09

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	140.34 LUX	0.9m	0.9m
4m	35.08 LUX	1.9m	1.9m
6m	15.59 LUX	2.8m	2.8m
8m	8.77 LUX	3.7m	3.7m
10m	5.61 LUX	4.7m	4.6m
12m	3.90 LUX	5.6m	5.6m

Ver.Spread:26.2 Horiz.Spread:26.1

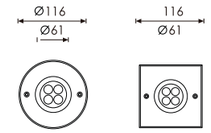
CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Depth Illuminant
LED Inground Light



OUTER DIMENSIONS & ACCESSORIES

Unit:mm

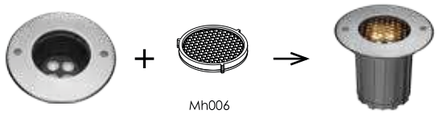


IGB2DFR0457 IGB2DFS0457

083# Mounting sleeve

OPTIONAL HONEYCOMB LOUVER

Product Overview



Mh006

Optional Accessory
Honeycomb_Louver

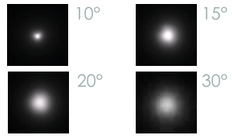
LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS



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



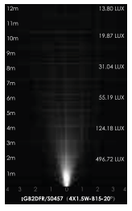
MATERIAL SPECIFICATIONS

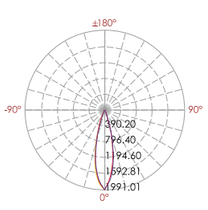
HOUSING	12# die-casting grey powder coated aluminum . T=60-80μm. Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chromeplated stainless steel SUS 316L#
GLASS	Step tempered glass.T=8mm
REFLECTOR	Optical Reflector efficiency=90%
LED	Osram SMD3030
GLASS PRESSURE CAPACITY	Full Area=2526kgs
CABLE GLAND	IP68 PG-11 PA66
GASKET	Molding shaped seal
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H07RN-F 2X1.0mm² L=0.5m (low voltage) H07RN-F 3X1.0mm² L=0.5m (high voltage)
MOUNTING SLEEVE	ABS
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

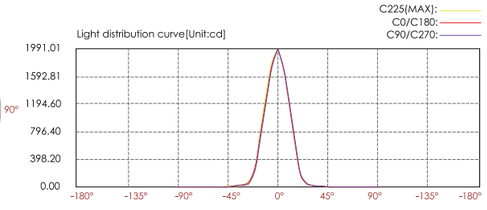
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IGB2DFR0457 IGB2DFS0457	4×2W	B15	20°	24V DC 120/240	24V=270 120V=69 240V=38	24V=6.50 120V=7.60 240V=7.50	Cool White =600 Warm White =488	09

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	496.72 LUX	0.9m	0.9m
4m	124.18 LUX	1.8m	1.8m
6m	55.19 LUX	2.6m	2.6m
8m	31.04 LUX	3.5m	3.5m
10m	19.87 LUX	4.4m	4.4m
12m	13.80 LUX	5.3m	5.3m

Ver.Spread:24.8 Horiz.Spread:24.9

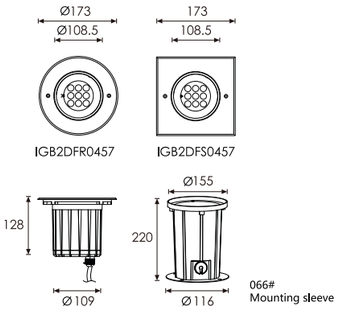
CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Depth Illuminant
LED Inground Light



OUTER DIMENSIONS & ACCESSORIES

Unit:mm

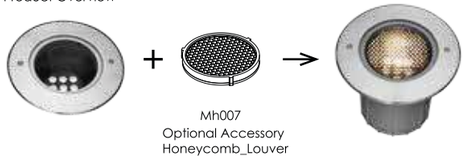


IGB2DFR0457 IGB2DFS0457

066# Mounting sleeve

OPTIONAL HONEYCOMB LOUVER

Product Overview



Mh007

Optional Accessory
Honeycomb_Louver

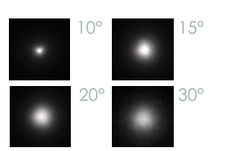
LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS



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



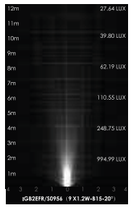
MATERIAL SPECIFICATIONS

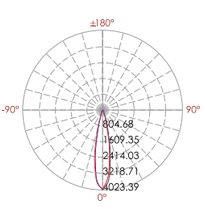
HOUSING	12# die-casting grey powder coated aluminum . T=60-80μm. Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chromeplated stainless steel SUS 316L#
GLASS	Step tempered glass.T=8mm
REFLECTOR	Optical Reflector efficiency=90%
LED	Osram SMD3030
GLASS PRESSURE CAPACITY	Full Area=2500kgs
CABLE GLAND	IP68 PG-11 PA66
GASKET	Molding shaped seal
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H07RN-F 2X1.0mm² L=0.5m (low voltage) H07RN-F 3X1.0mm² L=0.5m (high voltage)
MOUNTING SLEEVE	ABS
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

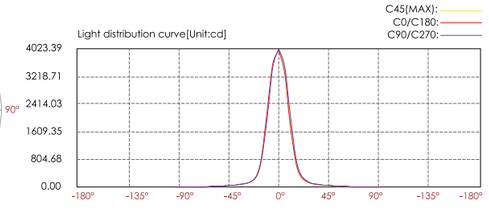
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IGB2EFR0956 IGB2EFS0956	9×1.2W	B15	20°	24V DC 120/240	24V=521 120V=122 240V=64	24V=12.5 120V=13.2 240V=13.2	Cool White =1003 Warm White =790	10

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

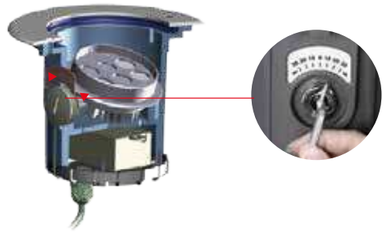
Center beam LUX		Beam width V	H
2m	994.99 LUX	0.7m	0.7m
4m	248.75 LUX	1.5m	1.5m
6m	110.55 LUX	2.2m	2.2m
8m	62.19 LUX	3.0m	2.9m
10m	39.80 LUX	3.7m	3.6m
12m	27.64 LUX	4.4m	4.4m

Ver.Spread:21.0 Horiz.Spread:20.6

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

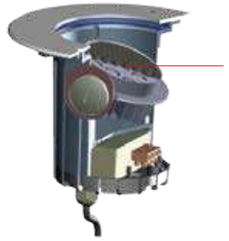
Adjustable Beam Direction Series

FEATURE



A simplicity of wider angle adjustment

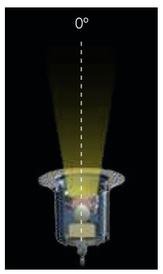
- In accordance with the environmental requirement to adjust the lighting angle



Honey comb - Good choice for soft light

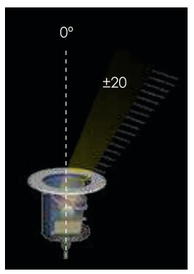
- The honey comb louver will be synchronized changed along with the light beam angle

Luminous beam comparison before and after the adjustment



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

Cool White=1885
Warm White=1389



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

Cool White =1621
Warm White=1195

Adjustable Beam Direction LED Inground Light

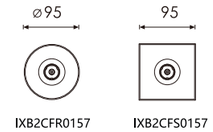


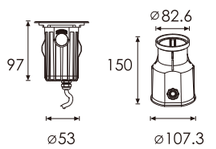
LED COLOUR TEMPERATURE

2000K• 3000K• 6000K

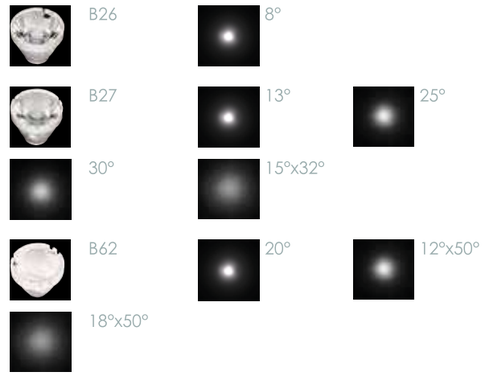
OUTER DIMENSIONS & ACCESSORIES

Unit:mm





OPTICS



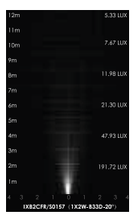
MATERIAL SPECIFICATIONS

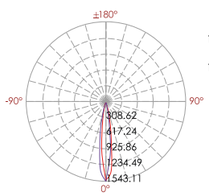
HOUSING	12# die-casting grey powder coated aluminum T=60-80μm. Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chromeplated stainless steel SUS 316L#
GLASS	Step tempered white coating glass.T=6mm
GLASS PRESSURE CAPACITY	Full Area=1195kgs
CABLE GLAND	IP68 PG-9 PA66
GASKET	Molding shaped seal
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H05RN-F 2X1.0mm2 L=0.5m (low voltage) H05RN-F 3X1.0mm2 L=0.5m (high voltage)
MOUNTING SLEEVE	ABS Housing with diron base
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

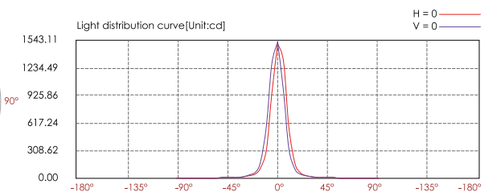
TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IXB2CFR0157 IXB2CFS0157	1×2W	B27	13°	24V DC 120/240	24V = 110 120V = 43 240V = 27	24V = 2.6 120V = 3.2 240V = 3.2	Cool White = 179 Warm White = 168	09

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	376.25 LUX	0.5m	0.5m
4m	94.06 LUX	1.1m	1.1m
6m	41.81 LUX	1.6m	1.6m
8m	23.52 LUX	2.1m	2.2m
10m	15.05 LUX	2.7m	2.7m
12m	10.45 LUX	3.2m	3.2m

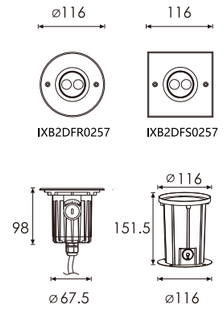
Ver.Spread:15.2 Horiz.Spread:15.4

Adjustable Beam Direction LED Inground Light



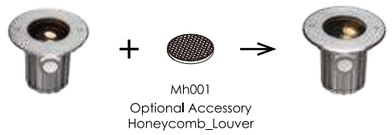
OUTER DIMENSIONS & ACCESSORIES

Unit:mm



OPTIONAL HONEYCOMB LOUVER

Product Overview

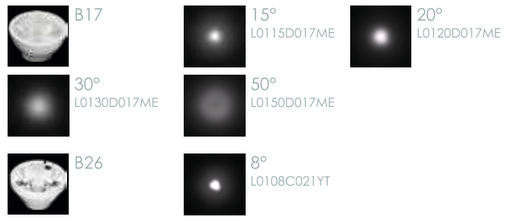


Mh001
Optional Accessory
Honeycomb_Louver

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS



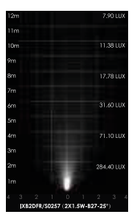
MATERIAL SPECIFICATIONS

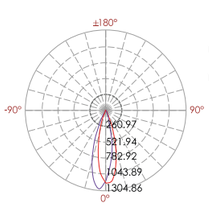
HOUSING	12# die-casting grey powder coated aluminum T=60-80μm. Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chromeplated stainless steel SUS 316L#
GLASS	Step tempered white coating glass.T=8mm
GLASS PRESSURE CAPACITY	Full Area=2526kgs
CABLE GLAND	IP68 PG-11 PA66
GASKET	Molding shaped seal
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H07RN-F 2X1.0mm2 L=0.5m (low voltage) H07RN-F 3X1.0mm2 L=0.5m (high voltage)
MOUNTING SLEEVE	ABS Housing with diron base
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

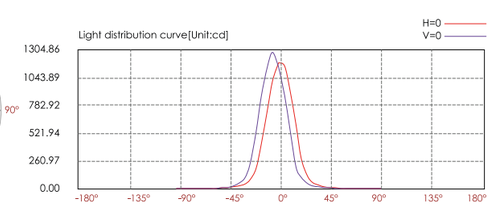
TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IXB2DFR0257 IXB2DFS0257	2×1.5W	B17	20°	24V DC 120/240	24V = 150 120V = 36 240V = 24	24V = 3.6 120V = 3.8 240V = 3.8	Cool White = 250 Warm White = 190	09

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

	Center beam LUX	Beam width V	Beam width H
2m	284.40 LUX	1.0m	1.0m
4m	71.10 LUX	1.9m	2.0m
6m	31.60 LUX	2.9m	2.9m
8m	17.78 LUX	3.9m	3.9m
10m	11.38 LUX	4.8m	4.9m
12m	7.90 LUX	5.8m	5.9m

Ver.Spread:27.1 Horiz.Spread:27.4

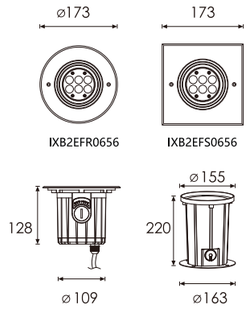
CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Adjustable Beam Direction LED Inground Light



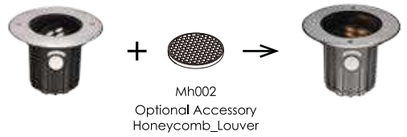
OUTER DIMENSIONS & ACCESSORIES

Unit:mm



OPTIONAL HONEYCOMB LOUVER

Product Overview



Mh002
Optional Accessory
Honeycomb_Louver

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS



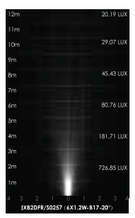
MATERIAL SPECIFICATIONS

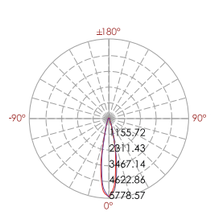
HOUSING	12# die-casting grey powder coated aluminum T=60-80μm. Adhesion of ISO class 1/ASTM class 4B Hard chromeplated stainless steel SUS 316L#
FRONT COVER	Step tempered white coating glass.T=8mmFull
GLASS	Area=2621kgs
GLASS PRESSURE CAPACITY	IP68 PG-11 PA66
CABLE GLAND	Molding shaped seal
GASKET	Constant Voltage Input,Constant Current Output
LED DRIVER	-20°C~40°C
OPERATING TEMPERATURE	H07RN-F 2X1.0mm2 L=0.5m (low voltage) H07RN-F 3X1.0mm2 L=0.5m (high voltage)
POWER CABLE	ABS Housing with diron base
MOUNTING SLEEVE	Triac PWM 1-10V Dali
DIMMABLE SUPPORT	

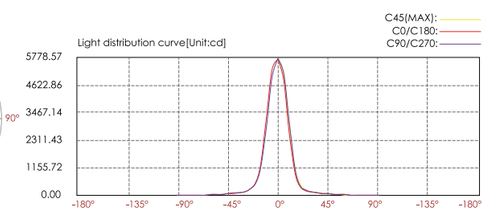
TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IXB2EFR0656 IXB2EFS0656	6×1.2W	B17	20°	24V DC 120/240	24V = 325 120V = 70 240V = 46	24V = 7.8 120V = 9.2 240V = 9.2	Cool White = 700 Warm White = 570	10

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

	Center beam LUX	Beam width V	Beam width H
2m	1428.35 LUX	0.7m	0.7m
4m	357.09 LUX	1.5m	1.5m
6m	158.71 LUX	2.2m	2.2m
8m	89.27 LUX	3.0m	2.9m
10m	57.13 LUX	3.7m	3.7m
12m	39.68 LUX	4.5m	4.4m

Ver.Spread:21.1 Horiz.Spread:20.8

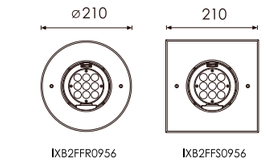
CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Adjustable Beam Direction LED Inground Light



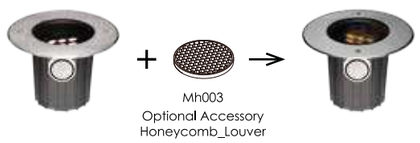
OUTER DIMENSIONS & ACCESSORIES

Unit:mm



OPTIONAL HONEYCOMB LOUVER

Product Overview



LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS



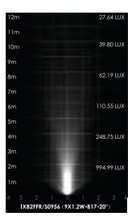
MATERIAL SPECIFICATIONS

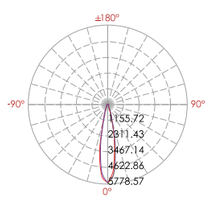
HOUSING	12# die-casting grey powder coated aluminum T=60-80μm. Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chromeplated stainless steel SUS 316L#
GLASS	Step tempered white coating glass.T=8mm
GLASS PRESSURE CAPACITY	Full Area=2961kgs
CABLE GLAND	IP68 PA66 PG-11
GASKET	Molding shaped seal
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H07RN-F 2X1.0mm2 L=0.5m (low voltage) H07RN-F 3X1.0mm2 L=0.5m (high voltage)
MOUNTING SLEEVE	ABS Housing with diron base
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

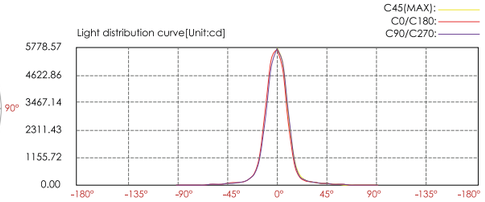
TECHNICAL DATA

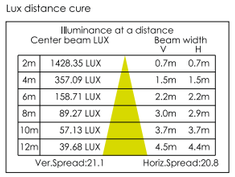
ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IXB2FFR0956 IXB2FFS0956	9×1.2W	B17	20°	24V DC 120/240	24V = 500 120V = 112 240V = 64	24V = 12 120V = 13.2 240V = 13.2	Cool White = 1090 Warm White = 756	10

PHOTOMETRIC CURVES









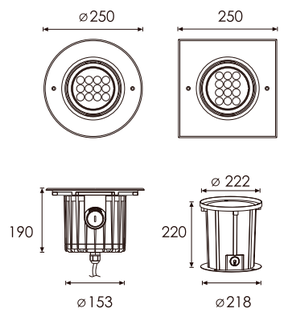
CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Adjustable Beam Direction LED Inground Light



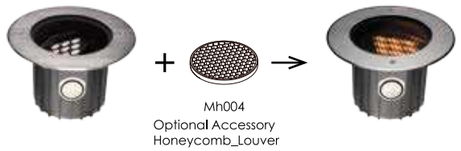
OUTER DIMENSIONS & ACCESSORIES

Unit:mm



OPTIONAL HONEYCOMB LOUVER

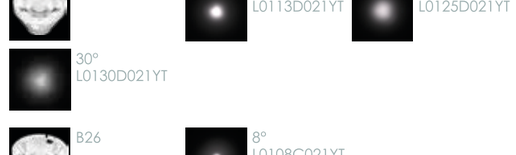
Product Overview



LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS



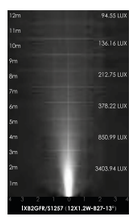
MATERIAL SPECIFICATIONS

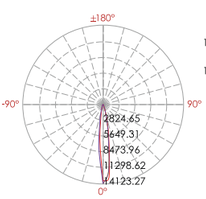
HOUSING	12# die-casting grey powder coated aluminum T=60-80μm. Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chromeplated stainless steel SUS 316L#
GLASS	Step tempered white coating glass.T=10 mm
GLASS PRESSURE CAPACITY	Full Area=5513kgs
CABLE GLAND	IP68 PA66 PG-13.5
GASKET	Molding shaped seal
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H05RN-F 2X1.0mm2 L=0.5m (low voltage) H05RN-F 3X1.0mm2 L=0.5m (high voltage)
MOUNTING SLEEVE	ABS Housing with diron base
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

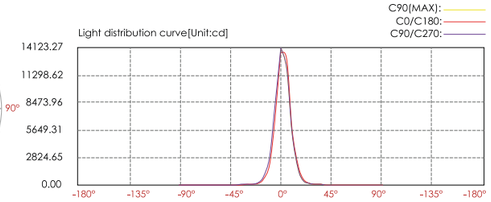
TECHNICAL DATA

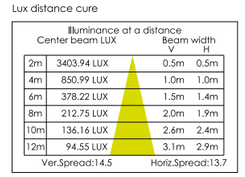
ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IXB2GFR1257 IXB2GFS1257	12×1.5W	B27	13°	24V DC 120/240	24V = 1020 120V = 151 240V = 82	24V = 24.5 120V = 18.2 240V = 18.2	Cool White = 1885 Warm White = 1389	10

PHOTOMETRIC CURVES









CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Adjustable Beam Direction LED Inground Light



LED COLOUR TEMPERATURE

2000K • 3000K • 6000K

OPTICS


B15


10°
L0110D016LK


15°
L0115D016LK


20°
L0120D016LK

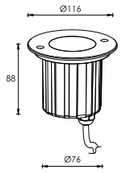

30°
L0130D016LK

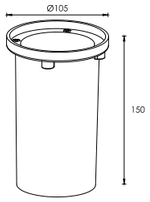
MATERIAL SPECIFICATIONS

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

OUTER DIMENSIONS & ACCESSORIES

Unit:mm





Mounting Sleeve 073#

OPTIONAL HONEYCOMB LOUVER

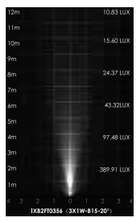
Product Overview

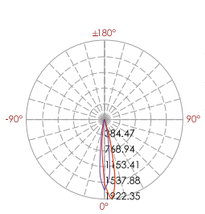


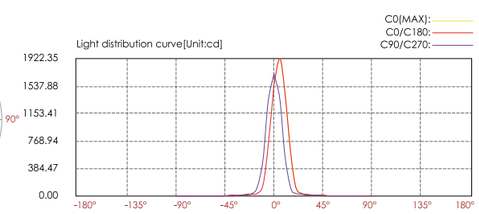
TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IXB2FT0356	3 × 1W	B15	20°	24V DC 120/240	24V = 131 120V = 54 240V = 30	24V = 3.1 120V = 3.8 240V = 3.8	Cool White = 320 Warm White = 294	09

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	389.91 LUX	0.5m	0.6m
4m	97.48 LUX	1.1m	1.1m
6m	43.32 LUX	1.6m	1.7m
8m	24.37 LUX	2.2m	2.3m
10m	15.60 LUX	2.7m	3.9m
12m	10.83 LUX	3.3m	3.4m

Ver.Spread:15.5 Horiz.Spread:16.3

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Adjustable Beam Direction LED Inground Light


IXB2BG0357


IXB2BG0357 L

LED COLOUR TEMPERATURE

2000K • 3000K • 6000K

OPTICS


B33
(B33D/B33F)


9°(B33F)
L0109F023YH


15°
L0115D023YH


20°
L0120D023YH

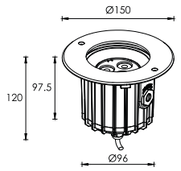

30°
L0130D023YH


45°
L0145D023YH

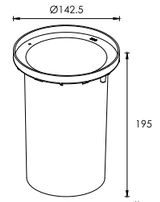

60°
L0160D023MD

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



• IXB2BG0357 • IXB2BG0357 L



Mounting Sleeve 072#

OPTIONAL HONEYCOMB LOUVER

Product Overview



IXB2BG0357 IXB2BG0357 L

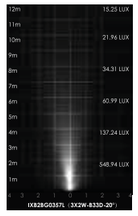
MATERIAL SPECIFICATIONS

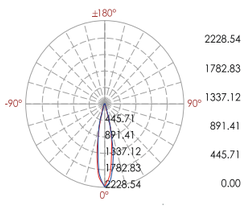
HOUSING	12# Die-casting grey powder coated aluminum T=60-80μm Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chromeplated Stainless steel SUS 316L#
LIGHT WINDOW	Tempered frosted step glass,T=8mm
LENS	Optical lens efficiency≥90%
LED	OSRAM or NICHIA
GLASS PRESSURE CAPACITY	Full area=783kgs
CABLE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

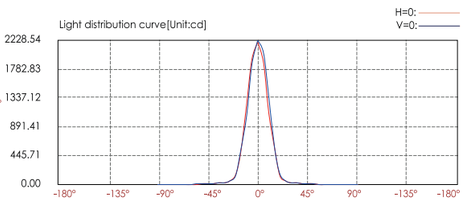
TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IXB2BG0357	3×2W	B33D	20°	24V DC 120/240	24V = 216 120V = 51 240V = 30	24V = 5.2 120V = 6 240V = 6	Cool White = 479 Warm White = 376	09
IXB2BG0357 L	3×2W	B33D	20°	24V DC 120/240	24V = 216 120V = 51 240V = 30	24V = 5.2 120V = 6 240V = 6	Cool White = 400 Warm White = 282	09

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	548.94 LUX	0.7m	0.7m
4m	137.24 LUX	1.5m	1.5m
6m	60.99 LUX	2.2m	2.2m
8m	34.31 LUX	3.0m	3.0m
10m	21.96 LUX	3.7m	3.7m
12m	15.25 LUX	4.4m	4.5m

Ver.Spread:20.9 Horiz.Spread:21.1

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Adjustable Beam Direction LED Inground Light



Optics Lens B57



MATERIAL SPECIFICATIONS

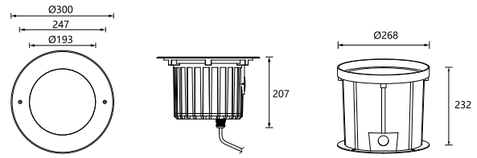
Housing	12# die-casting grey powder coated aluminum . T=60-80μm. Adhesion of ISO class 1/ASTM class 4B
Front cover	Hard chromeplated stainless steel SUS 316L#
Glass	Step tempered glass.T=10mm
Reflector	Optical Reflector efficiency≥90%
LED	CREE COB
Glass pressure capacity	Full area=5356kgs
Cable gland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

LED COLOUR TEMPERATURE

3000K · 5000K

OUTER DIMENSIONS

Unit:mm

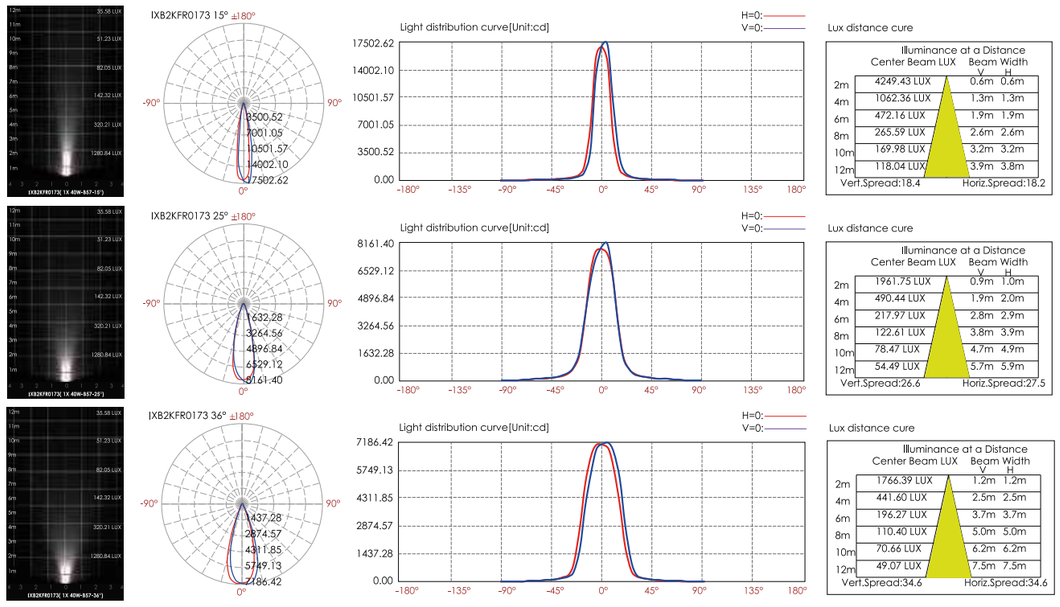


Mounting sleeve 106#

TECHNICAL DATA

Item	Light source	Reflector	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA	Typical consumption(W)	Typical luminance(lm)	IK
IXB2KFR0173	1×25W COB	B57	25°	24VDC 120/240V	24V = 1040 120V = 240 240V = 130	24V = 25.0 120V = 28 240V = 28	Cool white =2700 Warm white =2471	10

PHOTOMETRIC CURVES

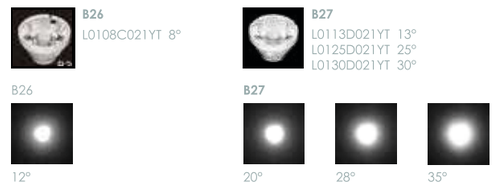


CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Adjustable Beam Direction Mega Power LED Inground Light



OPTICS LENS



LED COLOUR TEMPERATURE

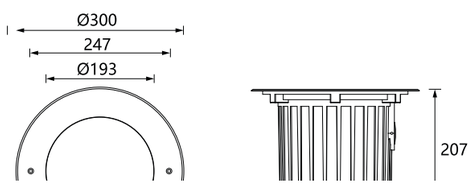
3000K · 6000K

MATERIAL SPECIFICATIONS

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

OUTER DIMENSIONS

Unit:mm

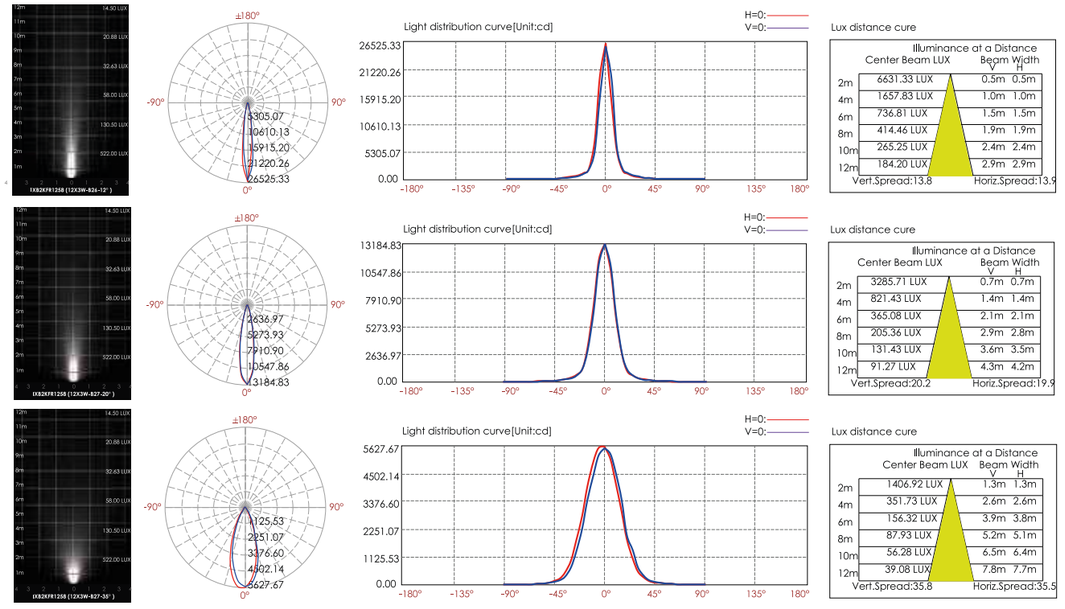


Mounting sleeve 106#

TECHNICAL DATA

Item	Light source	Reflector	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK
IXB2KFR1258	12×2.2W	B27	20°	24V DC 120/240	24V = 1150 120V = 234 240V = 125	24V = 27.6 120V = 28 240V = 28	Warm white =2392	10

PHOTOMETRIC CURVES



CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Strong Load Bearing Capacity
LED Drive-Over Light/Stainless Steel Front Cover



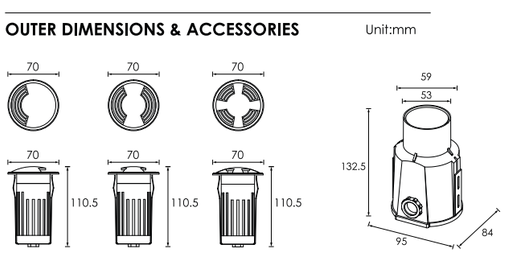
LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS

N/A

OUTER DIMENSIONS & ACCESSORIES Unit:mm



•I1E2CA0157 A • I2E2CA0157 A • I4E2CA0157 A

Mounting Sleeve 065#

MATERIAL SPECIFICATIONS

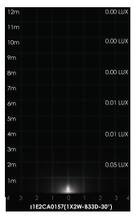
HOUSING	12# Die-casting dark grey powder coated aluminum T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chromeplated stainless steel SUS 316#
LOADING CAPACITY	>2000kg
GASKET	Molding shaped silicone seal
OPERATING TEMPERATURE	-20˚C~40˚C
POWER CABLE	H05RN-F 2X1.0mm2 L=0.5m(low voltage)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

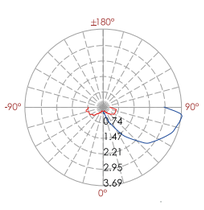


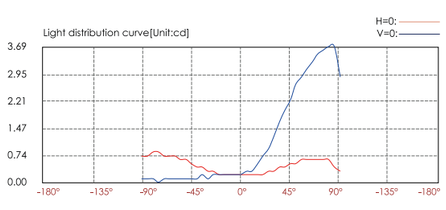
TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
I1E2CA0157 A	1×2W	24V DC 120/240	24V = 108 120V = 47 240V = 28	24V = 2.5 120V = 3 240V = 3	Cool White = 4.8 Warm White = 4.3	10
I2E2CA0157 A	1×2W	24V DC 120/240	24V = 108 120V = 47 240V = 28	24V = 2.5 120V = 3 240V = 3	Cool White = 4.8 Warm White = 4.3	10
I4E2CA0157 A	1×2W	24V DC 120/240	24V = 108 120V = 47 240V = 28	24V = 2.5 120V = 3 240V = 3	Cool White = 4.8 Warm White = 4.3	10

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	0.05 LUX	7.30m	1.90m
4m	0.01 LUX	14.7m	3.80m
6m	0.01 LUX	22.0m	5.60m
8m	0.00 LUX	29.4m	7.50m
10m	0.00 LUX	36.7m	9.40m
12m	0.00 LUX	44.1m	11.3m

Ver.Spread:122.9 Horiz.Spread:50.3

CE RoHS compliance 2011/65/EU IP67

Strong Load Bearing Capacity
LED Drive-Over Light/Stainless Steel Front Cover



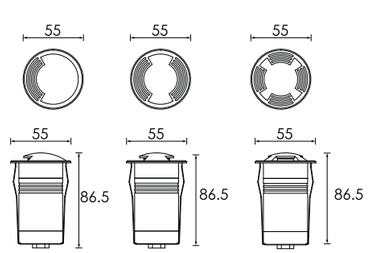
LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

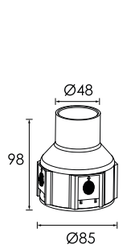
OPTICS

N/A

OUTER DIMENSIONS & ACCESSORIES Unit:mm



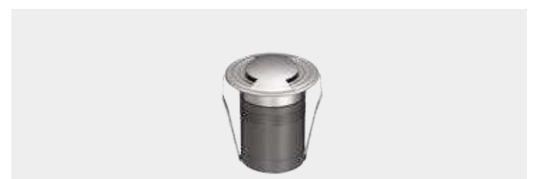
• I1E2WC0157 A • I2E2WC0157 A • I4E2WC0157 A



Mounting Sleeve 011#

MATERIAL SPECIFICATIONS

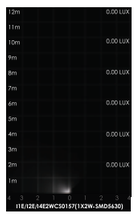
HOUSING	12# Die-casting dark grey powder coated aluminum T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chromeplated stainless steel SUS 316#
LOADING CAPACITY	>2000kg
GASKET	Molding shaped silicone seal
OPERATING TEMPERATURE	-20˚C~40˚C
POWER CABLE	H05RN-F 2X1.0mm2 L=0.5m(low voltage)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

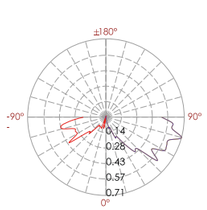


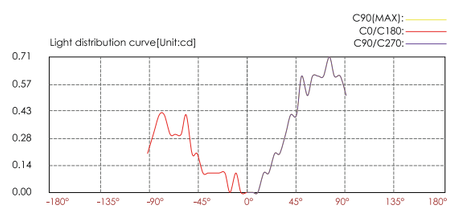
TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
I1E2WC0157 A	1×2W	24V DC 120/240	24V = 110 120V = 48 240V = 28	24V = 2.6 120V = 3.1 240V = 3	Cool White = 1.5 Warm White = 1.3	10
I2E2WC0157 A	1×2W	24V DC 120/240	24V = 110 120V = 48 240V = 28	24V = 2.6 120V = 3.1 240V = 3	Cool White = 2.0 Warm White = 1.7	10
I4E2WC0157 A	1×2W	24V DC 120/240	24V = 110 120V = 48 240V = 28	24V = 2.6 120V = 3.1 240V = 3	Cool White = 2.0 Warm White = 1.7	10

PHOTOMETRIC CURVES







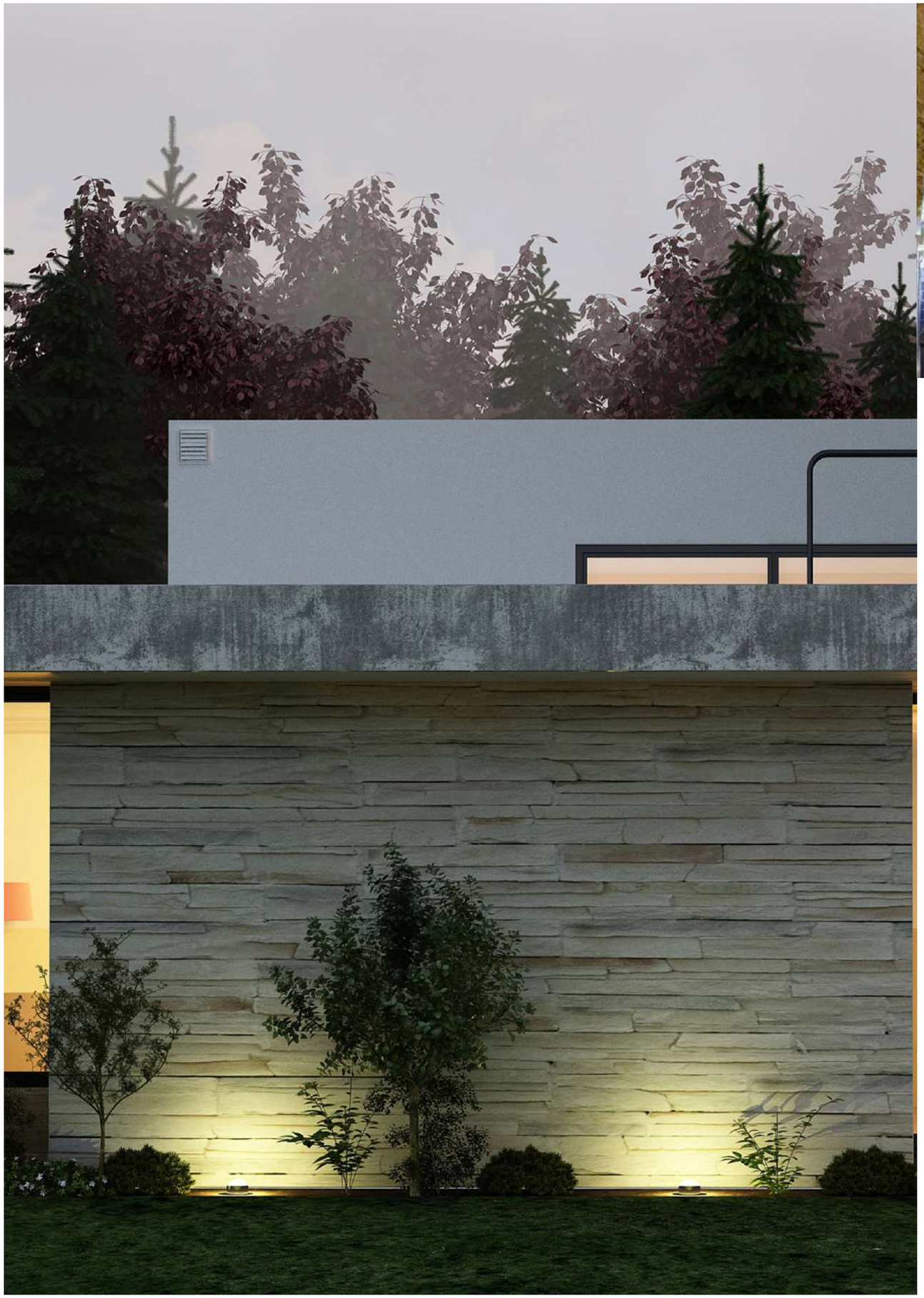
Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	0.00 LUX	1.90m	6.20m
4m	0.00 LUX	3.80m	12.4m
6m	0.00 LUX	5.70m	18.6m
8m	0.00 LUX	7.60m	24.8m
10m	0.00 LUX	9.50m	31.0m
12m	0.00 LUX	11.4m	37.2m

Ver.Spread:50.9 Horiz.Spread:114.4

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI





Symmetrical Inground Wall Washers



LED COLOUR TEMPERATURE

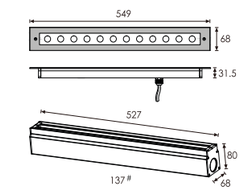
2000K • 3000K • 6000K

OPTICS

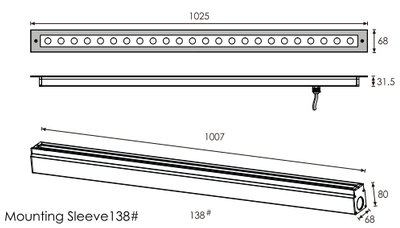
N/A

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



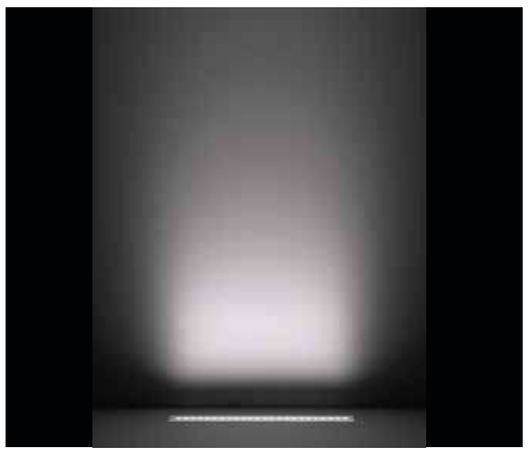
Mounting Sleeve137# IB2RLB1257



Mounting Sleeve138# IB2RLB2457

MATERIAL SPECIFICATIONS

HOUSING	Extruded aluminum, powder coated
FRONT COVER	Hard chrome-plated stainess steel SUS 316L
LIGHT WINDOW	Tempered frosted step glass.T=6mm
LENS	Optical lens.efficiency≥85%
CABLE GLAND	IP68 PG-9 PA66
GASKET	Glass and housing are silicone sealed
LED	Single color OSRAM LED
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H05RN-F 2X1.0mm2 L=0.5m(low voltage) H05RN-F 3X1.0mm2 L=0.5m(high voltage)
MOUNTING SLEEVE	Powder Coated Aluminum 137# 138#
DIMMABLE SUPPORT	Triac PWM 1-10V Dali



Lighting Effect demo

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Symmetrical
Inground Wall Washers

OPTICS


B32


20°
L0120F024PS


25°
L0125F024PS


30°
L0130F024PS

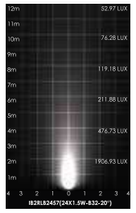

35°
L0135F024PS

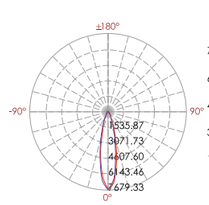

45°
L0145F024PS

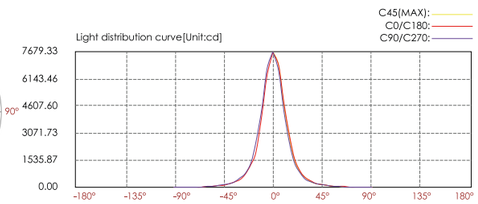
TECHNICAL DATA

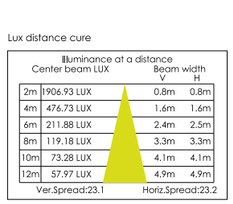
ITEM	LIGHT SOURCE	LENS	LENGTH(MM)	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB2RLB1257	12×1.5W Single color	B32	549	20°	24V DC 120/240	24V = 910 120V = 143 240V = 79	24V = 22 120V = 17 240V = 17.5	Cool White = 1108 Warm White = 1020	07
IB2RLB2457	24×1.5W Single color	B32	1025	20°	24V DC 120/240	24V = 1826 120V = 312 240V = 156	24V = 44 120V = 36 240V = 36.4	Cool White = 2957 Warm White = 2055	07

PHOTOMETRIC CURVES









CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI



Asymmetrical
Inground Wall Washers

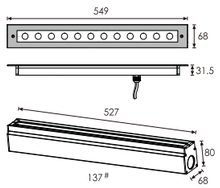
LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

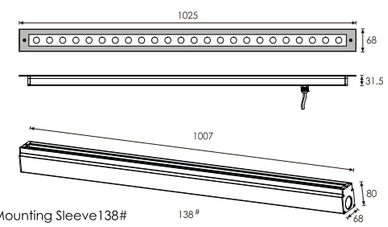


OUTER DIMENSIONS & ACCESSORIES

Unit:mm



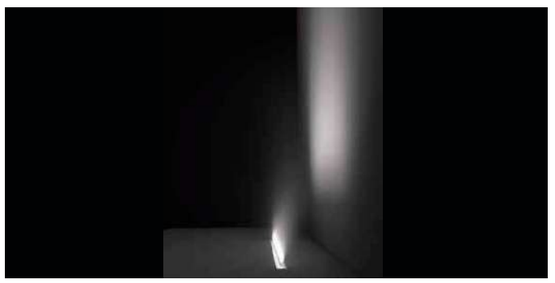
Mounting Sleeve137# IC2RLB1257



Mounting Sleeve138# IC2RLB2457

MATERIAL SPECIFICATIONS

HOUSING	Extruded aluminum, powder coated
FRONT COVER	Hard chromeplated stainess steel SUS 316L
LIGHT WINDOW	Tempered frosted step glass.T=6mm
LENS	Optical lens.efficiency≥85%
CABLE GLAND	IP68 PG-9 PA66
GASKET	Glass and housing are silicone sealed
LED	OSRAM LED
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H05RN-F 2X1.0mm2 L=0.5m(low voltage) H05RN-F 3X1.0mm2 L=0.5m(high voltage)
MOUNTING SLEEVE	Powder Coated Aluminum 137# 138#
DIMMABLE SUPPORT	Triac PWM 1-10V Dali



Lighting Effect demo

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Symmetrical
Inground Wall Washers

OPTICS

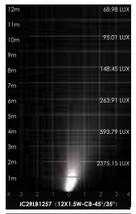

C8

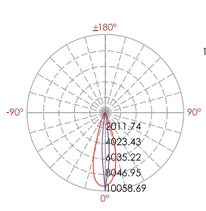

45°
35°
L01 F019HZ

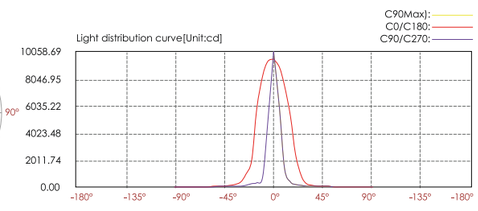
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENGTH(MM)	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IC2RLB1257	12×1.5W Single color	C8	549	45° / 35°	24V DC 120/240	24V = 910 120V = 143 240V = 79	24V = 22 120V = 17 240V = 17.5	Cool White = 1108 Warm White = 1020	07
IC2RLB2457	24×1.5W Single color	C8	1025	45° / 35°	24V DC 120/240	24V = 1823 120V = 312 240V = 146	24V = 44 120V = 36 240V = 33.6	Cool White = 2472 Warm White = 2114	07

PHOTOMETRIC CURVES



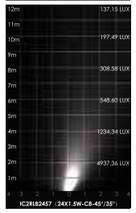


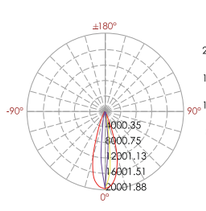


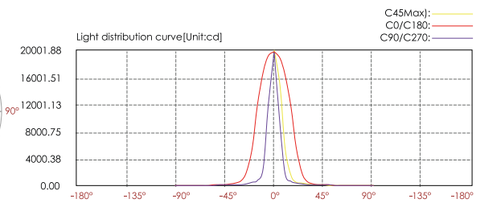
Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	2375.15 LUX	0.4m	1.1m
4m	593.79 LUX	0.7m	2.2m
6m	263.91 LUX	1.1m	3.4m
8m	148.45 LUX	1.5m	4.5m
10m	95.01 LUX	1.9m	5.6m
12m	65.98 LUX	2.2m	6.7m

Ver.Spread:10.6 Horiz.Spread:31.4







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	4937.36 LUX	0.4m	1.2m
4m	1234.34 LUX	0.7m	2.4m
6m	548.60 LUX	1.1m	3.6m
8m	308.58 LUX	1.5m	4.7m
10m	197.49 LUX	1.9m	5.9m
12m	137.15 LUX	2.2m	7.1m

Ver.Spread:10.7 Horiz.Spread:33.1

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Asymmetrical
Inground Wall Washer



LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

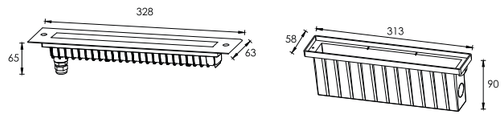
OPTICS


C11


45°
35°
L01 45° 35° F019HZ

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



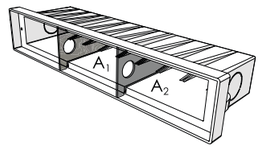
Mounting sleeve 077#

MATERIAL SPECIFICATIONS

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

MOUNTING SLEEVE CHARACTERISTIC





Low voltage type



Outside gear box for high voltage

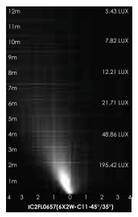


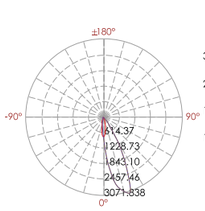
•The above picture – the supporting plate "A1" and "A2" are used for preventing deformation of the sleeve during the construction installation process.
•Please remove the supporting plate "A1" and "A2" from the mounting sleeve before the lamp installation.

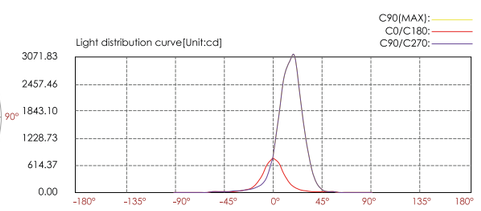
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	WEIGHT (KG)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IC2FL0657	6×2W	C11	45° / 35°	1.6	24V DC 120/240	24V = 550 120V = 100 240V = 57	24V = 13.2 120V = 11.8 240V = 12.1	Cool White = 875 Warm White = 570	08

PHOTOMETRIC CURVES







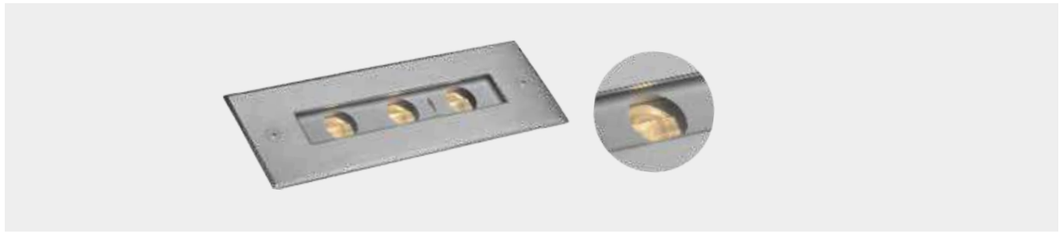
Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	195.42 LUX	0.9m	0.6m
4m	48.86 LUX	1.7m	1.3m
6m	21.71 LUX	2.6m	1.9m
8m	12.21 LUX	3.4m	2.5m
10m	7.82 LUX	4.3m	3.1m
12m	5.43 LUX	5.2m	3.8m

Ver.Spread:24.2 Horiz.Spread:17.8

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Asymmetrical Inground Wall Washer



LED COLOUR TEMPERATURE

2000K ・3000K・6000K

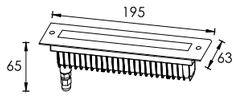
OPTICS

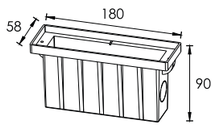

C11


45°
35°
L01F019HZ

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



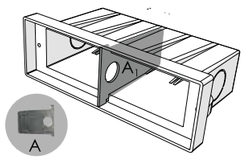


Mounting sleeve 076#

MATERIAL SPECIFICATIONS

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

MOUNTING SLEEVE CHARACTERISTIC



Low voltage type



Outside gear box for high voltage





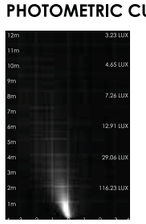


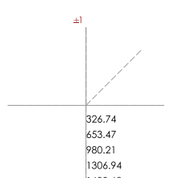
•The above picture – the supporting plate "A1" and "A2" are used for preventing deformation of the sleeve during the construction installation process.
•Please remove the supporting plate "A1" and "A2" from the mounting sleeve before the lamp installation.

TECHNICAL DATA

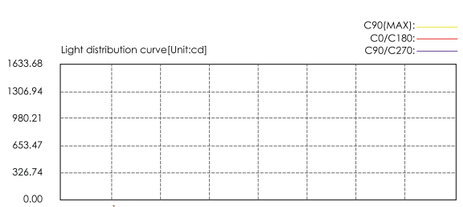
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	WEIGHT (KG)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IC2FL0357	3×2W	C11	45° 35°	0.9	24V DC 120/240	24V = 240 120V = 89 240V = 46	24V = 5.7 120V = 6 240V = 5.7	Cool White = 340 Warm White = 285	08

PHOTOMETRIC CURVES

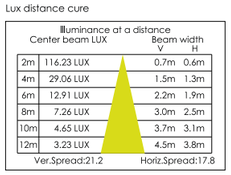




Light distribution curve[Unit:cd]



Lux distance cure



Illuminance at a distance Center beam LUX		Beam width V	H
2m	116.23 LUX	0.7m	0.6m
4m	29.06 LUX	1.5m	1.3m
6m	12.91 LUX	2.2m	1.9m
8m	7.26 LUX	3.0m	2.5m
10m	4.65 LUX	3.7m	3.1m
12m	3.23 LUX	4.5m	3.8m

Ver.Spread:21.2 Horiz.Spread:17.8

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Symmetrical Inground Wall Washer



OPTICS


B26


8°
L0108C021YT


B27

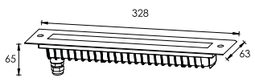

13°
L0113D021YT

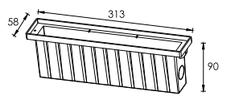

25°
L0125D021YT


30°
L0130D021YT

OUTER DIMENSIONS & ACCESSORIES

Unit:mm





Mounting sleeve 077#

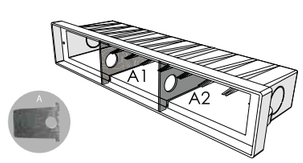
LED COLOUR TEMPERATURE

2000K・3000K・6000K

MATERIAL SPECIFICATIONS

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

MOUNTING SLEEVE CHARACTERISTIC



Low voltage type



Outside gear box for high voltage

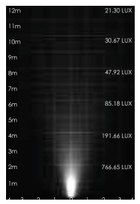


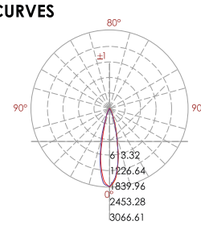
•The above picture – the supporting plate "A1" and "A2" are used for preventing deformation of the sleeve during the construction installation process.
•Please remove the supporting plate "A1" and "A2" from the mounting sleeve before the lamp installation.

TECHNICAL DATA

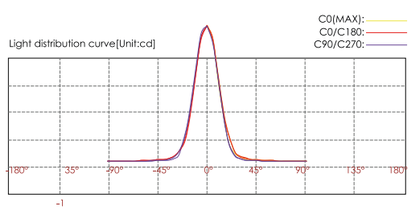
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	WEIGHT (KG)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB2FL0657	6×2W	B27	25°	1.6	24V DC 120/240	24V = 550 120V = 100 240V = 57	24V = 13.2 120V = 11.8 240V = 12.1	Cool White = 1100 Warm White = 733	08

PHOTOMETRIC CURVES

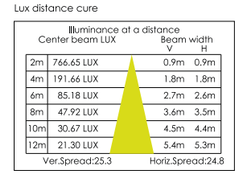




Light distribution curve[Unit:cd]



Lux distance cure



Illuminance at a distance Center beam LUX		Beam width V	H
2m	766.65 LUX	0.9m	0.9m
4m	191.66 LUX	1.8m	1.8m
6m	85.18 LUX	2.7m	2.6m
8m	47.92 LUX	3.6m	3.5m
10m	30.67 LUX	4.5m	4.4m
12m	21.30 LUX	5.4m	5.3m

Ver.Spread:25.3 Horiz.Spread:24.8

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

Inground Wall Washers



LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS


B26


8°
L0108C021YT


B27


13°
L0113D021YT


25°
L0125D021YT

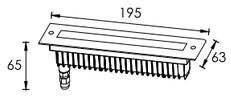

30°
L0130D021YT

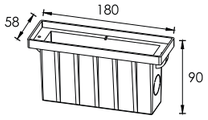
MATERIAL SPECIFICATIONS

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

OUTER DIMENSIONS & ACCESSORIES

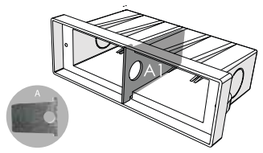
Unit:mm





Mounting sleeve 076#

MOUNTING SLEEVE CHARACTERISTIC

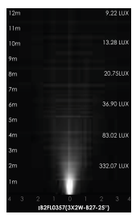


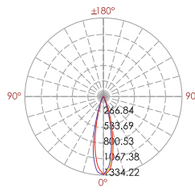
•The above picture – the supporting plate "A1" and "A2" are used for preventing deformation of the sleeve during the construction installation process.
•Please remove the supporting plate "A1" and "A2" from the mounting sleeve before the lamp installation.

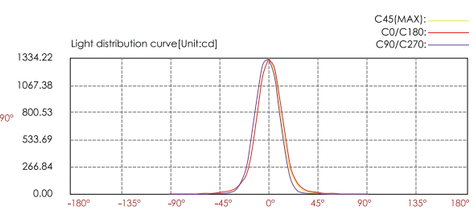
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	WEIGHT (KG)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB2FL0357	3×2W	B27	25°	0.9	24V DC 120/240	24V = 240 120V = 89 240V = 46	24V = 5.7 120V = 6 240V = 5.7	Cool White = 508 Warm White = 333	08

PHOTOMETRIC CURVES







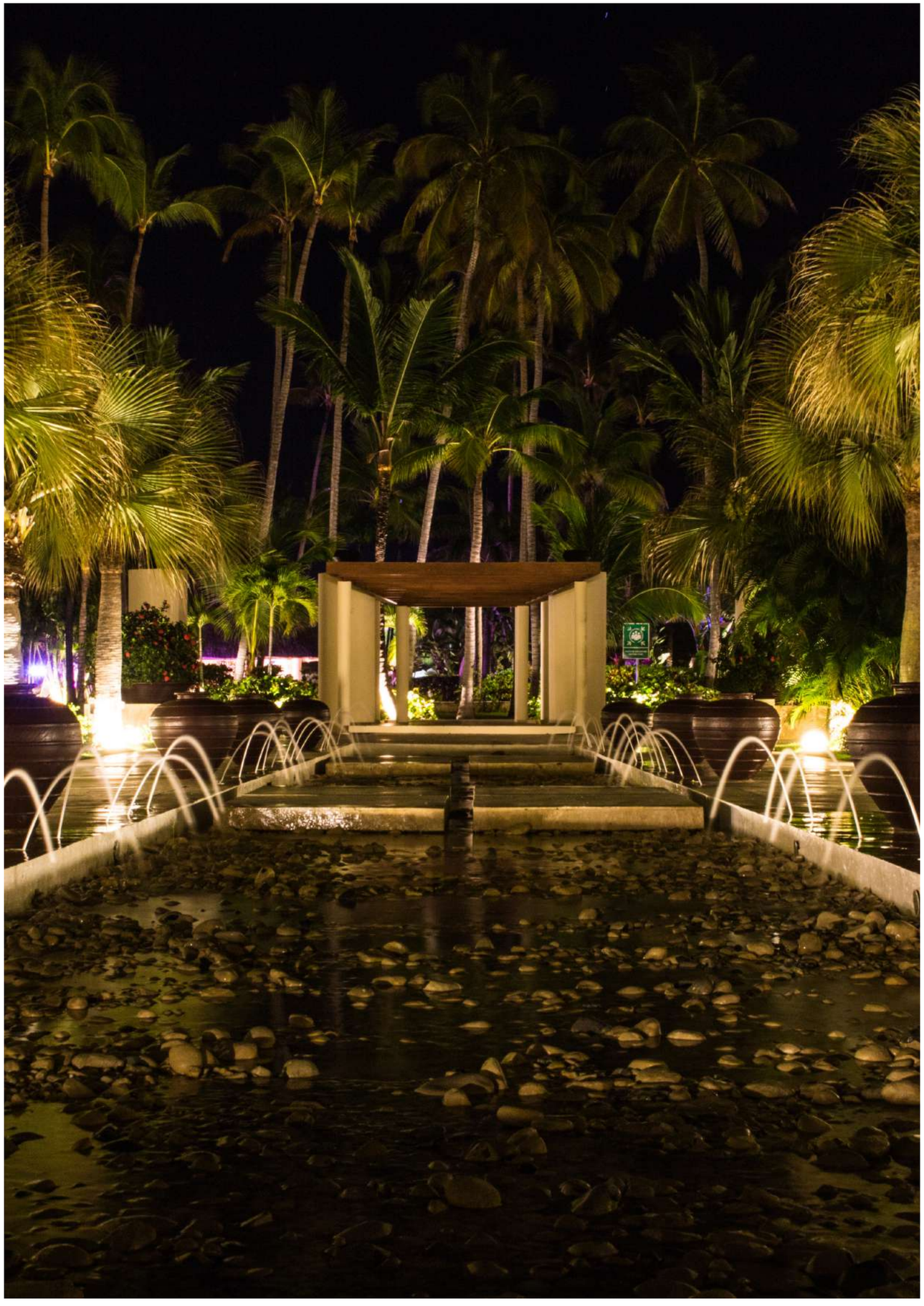
Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	332.07 LUX	0.9m	0.9m
4m	83.02 LUX	1.8m	1.8m
6m	36.90 LUX	2.7m	2.7m
8m	20.75 LUX	3.6m	3.6m
10m	13.28 LUX	4.5m	4.5m
12m	9.22 LUX	5.4m	5.4m

Ver.Spread:25.6 Horiz.Spread:25.6

CE RoHS compliance 2011/65/EU IP67 TRIAC PWM 1-10V DALI

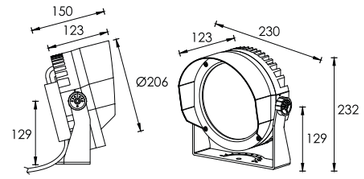


Architectural
& Landscape Spot Light



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



HOUSING COLOR OPTIONS



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

LED COLOUR TEMPERATURE

3000K · 6000K

OPTICS



B58
L0115D044HK 15°
L0124D044HK 24°
L0136D044HK 36°

B58



20° 30° 38°

MATERIAL SPECIFICATIONS

Housing	12# Die-casting dark grey powder coated aluminum. T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
Light Window	Tempered glass.T=4mm
Cable gland	Copper and nickel coated
Reflector	Optical Reflector efficiency≥90%
LED	CREE
Bracket	Powder coated aluminum.T=2.5mm
Operating temperature	-20˚C~40˚C
Power Cable	H05RN-F 3X1.0mm² L=2.0m(high voltage)



Heat radiation structure

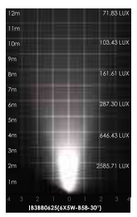


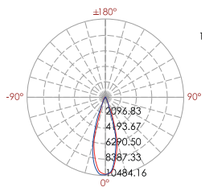
High Precision Gear Vertical Rotation System

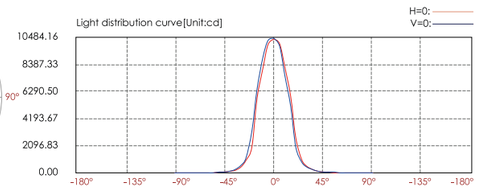
TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)Θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
IB3BB0625	6×5W	B58	30°	240V	240V = 172	240V = 40	3206	09

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	2585.71 LUX	1.1m	1.1m
4m	646.43 LUX	2.3m	2.3m
6m	287.30 LUX	3.4m	3.4m
8m	161.61 LUX	4.6m	4.5m
10m	103.43 LUX	5.7m	5.7m
12m	71.83 LUX	6.8m	6.8m

Ver.Spread:31.8 Horiz.Spread:31.8

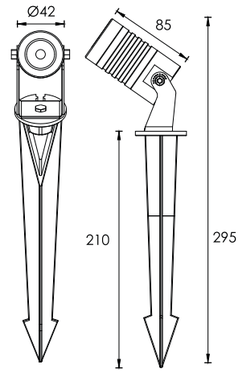
CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



HOUSING COLOR OPTIONS

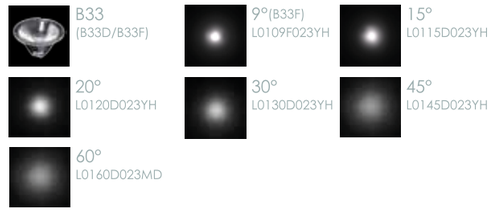


Basic	Secondary	
Dark Sanded Grey RAL 7037	Silver Grey KAP 9022	Sanded Black RAL9005

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS



B33 (B33D/B33F)
9°(B33F) L0109F023YH
15° L0115D023YH
20° L0120D023YH
30° L0130D023YH
45° L0145D023YH
60° L0160D023MD

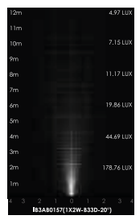
MATERIAL SPECIFICATIONS

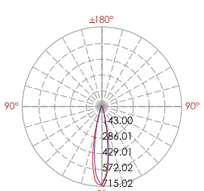
FRONT COVER&HOUSING	Aluminum anodized finshing or powder painting
LENS	Optical lens,efficiency≥85%
LIGHT WINDOW	Tempered glass.T=3mm
CABLE GLAND	Nickel coated copper
GASKET	Tooling shaped seal
LED	ORSAM
PCB	Excellent heat conductivity aluminum,coefficient of heat Conductivity≥2.0w/mk
LED DRIVER	Constant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

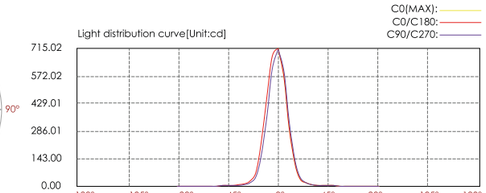
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB3AB0157	1×2W	B33D	20°	24V DC 120/240	24V = 110 120V = 48 240V = 28	24V = 2.6 120V = 3 240V = 3.1	Cool White = 149 Warm White = 120	02

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	178.76 LUX	0.7m	0.7m
4m	44.69 LUX	1.4m	1.5m
6m	19.86 LUX	2.1m	2.2m
8m	11.17 LUX	2.8m	3.0m
10m	7.15 LUX	3.5m	3.7m
12m	4.97 LUX	4.2m	4.5m

Ver.Spread:19.8 Horiz.Spread:21.2

CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light



LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS


B13


6°
L0106D016LK


15°
L0115D016LK

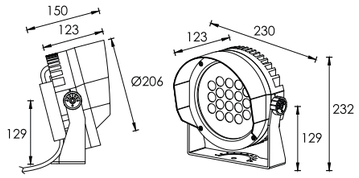

20°
L0120D016LK


30°
L0130D016LK


40°
L0140D016LK

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered glass.T=4mm
CABLE GLAND	Copper and nickel coated
LENS	Optical lens,efficiency≥85%
LED	OSRAM
BRACKET	Powder coated aluminum.T=2.5mm
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

HOUSING COLOR OPTIONS

Basic

Secondary

Dark Sanded Grey
RAL 7037

Silver Grey
KAP 9022

Sanded Black
RAL9005



Heat radiation structure



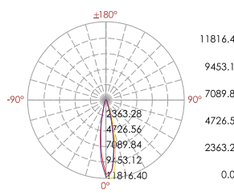
High Precision Gear
Vertical Rotation System

TECHNICAL DATA

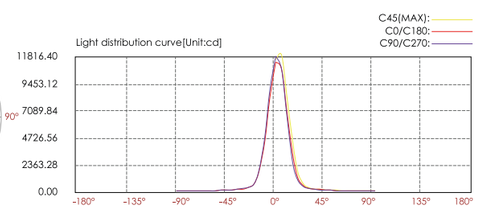
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB3BB1857	18×2W	B13	20°	24V DC 120/240	24V = 1500 120V = 320 240V = 155	24V = 36 120V = 35 240V = 35	Cool White = 2529 Warm White = 1927	09

PHOTOMETRIC CURVES





Light distribution curve[Unit:cd]



Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	2940.21 LUX	0.7m	0.7m
4m	735.05 LUX	1.4m	1.4m
6m	326.69 LUX	2.1m	2.0m
8m	183.76 LUX	2.8m	2.7m
10m	117.61 LUX	3.5m	3.4m
12m	81.67 LUX	4.2m	4.1m

Ver.Spread:20.1 Horiz.Spread:19.3

CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light

LED COLOUR TEMPERATURE

3000K · 6000K

OPTICS


B67


15°
L0115D045OS

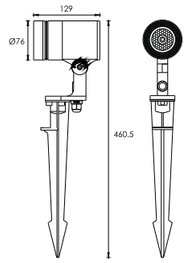

20°
L0120D045OS


25°
L0125D045OS

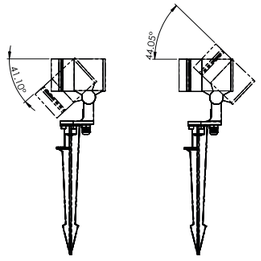

38°
L0138D045OS

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



ADJUSTABLE BEAM DIRECTION





MATERIAL SPECIFICATIONS

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

HOUSING COLOR OPTIONS

Basic

Secondary

Sanded Dark Grey
KAP 7037

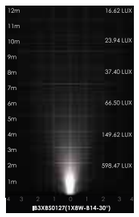
Silver Grey
KAP 9022

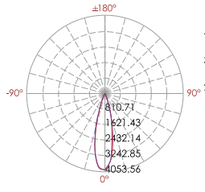
Sanded Black
RAL9005

TECHNICAL DATA

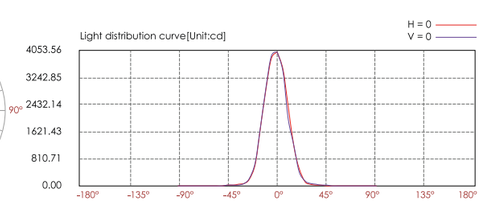
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB3XBS0127	1×8W COB	B67	25°	24V DC 120/240	24V = 411 120V = 88 240V = 50	24V = 9.8 120V = 10.5 240V = 10.8	Cool White = 920 Warm White = 862	07

PHOTOMETRIC CURVES





Light distribution curve[Unit:cd]



Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	1000.33 LUX	0.9m	0.9m
4m	250.08 LUX	1.8m	1.7m
6m	111.15 LUX	2.7m	2.6m
8m	62.52 LUX	3.6m	3.4m
10m	40.01 LUX	4.5m	4.3m
12m	27.79 LUX	5.4m	5.1m

Ver.Spread:25.4 Horiz.Spread:24.1

CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light

LED COLOUR TEMPERATURE

3000K · 6000K

OPTICS


R8

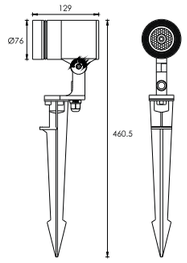

15°
R0115C050XL


24°
R0124C050XL

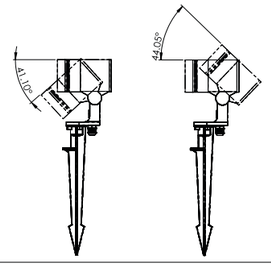

38°
R0138C050XL


60°
R0160C050XL

OUTER DIMENSIONS & ACCESSORIES Unit:mm



ADJUSTABLE BEAM DIRECTION





MATERIAL SPECIFICATIONS

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

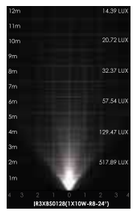
HOUSING COLOR OPTIONS

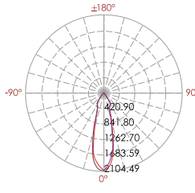
Basic	Secondary	
Sanded Dark Grey KAP 7037	Silver Grey KAP 9022	Sanded Black RAL9005

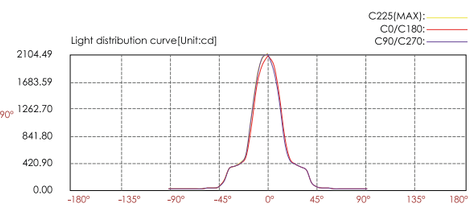
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IR3XBS0128	1×10W COB	R8	24°	24V DC 120/240	24V = 480 120V = 107 240V = 60	24V = 11.5 120V = 12.6 240V = 12.6	Cool White = 1050 Warm White = 956	07

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	517.89 LUX	1.0m	1.0m
4m	129.47 LUX	2.0m	2.0m
6m	57.54 LUX	3.0m	2.9m
8m	32.37 LUX	4.0m	3.9m
10m	20.72 LUX	5.0m	4.9m
12m	14.39 LUX	6.0m	5.9m

Ver.Spread:28.0 Horiz.Spread:27.5

CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light

LED COLOUR TEMPERATURE

3000K• 6000K

OPTICS

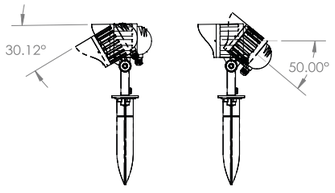

R3


25°
R0125C061HM

OUTER DIMENSIONS & ACCESSORIES Unit:mm



ADJUSTABLE BEAM DIRECTION





MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LED	NICHIA
LIGHT WINDOW	Tempered glass.T=4mm
CABLE GLAND	IP67 PG-9 Copper and nicket coated
GASKET	Molding shaped silicone double seal
PCB	Excellent heat conductivity aluminum,coefficient of heat conductivity≥90%
LED DRIVER	Constant current output
REFLECTOR	Optical Reflector efficiency≥90%
OPERATING TEMPERATURE	-20°C~40°C
SPIKE	ABS spike 7a
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)

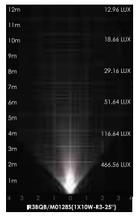
HOUSING COLOR OPTIONS

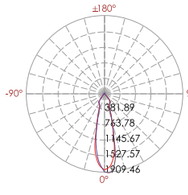
Basic	Secondary	
Sanded Dark Grey KAP 7037	Silver Grey KAP 9022	Sanded Black RAL9005

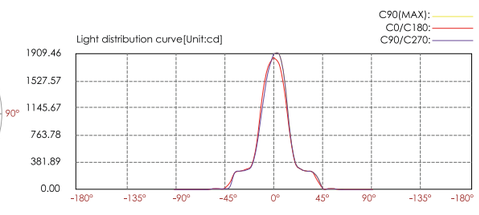
TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IR3BQB0128S	1×10W COB	R3	25°	24V DC 120/240	24V = 411 120V = 88 240V = 48	24V = 9.8 120V = 10.5 240V = 10.5	Cool White = 685 Warm White = 674	05

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	466.56 LUX	0.9m	0.9m
4m	116.64 LUX	1.8m	1.9m
6m	51.84 LUX	2.7m	2.8m
8m	29.16 LUX	3.7m	3.7m
10m	18.66 LUX	4.6m	4.6m
12m	12.96 LUX	5.5m	5.6m

Ver.Spread:25.8 Horiz.Spread:26.1

CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS


FB06


9°
F06B33F09


15°
F06B33D15

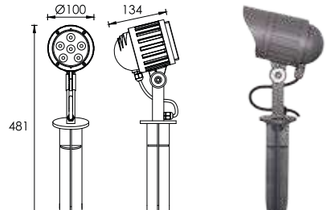

20°
F06B33D20


30°
F06B33D30

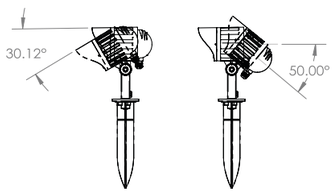

45°
F06B33D45


60°
F06B33D60

OUTER DIMENSIONS & ACCESSORIES Unit:mm



ADJUSTABLE BEAM DIRECTION





MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LENS	All-in-one optical lens,efficiency≥85%
LIGHT WINDOW	Tempered glass.T=4mm
CABLE GLAND	IP67 PG-9 Copper and nicket coated
GASKET	Molding shaped silicone double seal
LED	OSRAM or NICHIA
PCB	Excellent heat conductivity aluminum,coefficient of heat Conductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)
SPIKE	ABS spike 7a
BRACKET	Powder coated die-casting aluminum
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

HOUSING COLOR OPTIONS

Basic


Sanded Dark Grey
KAP 7037

Secondary

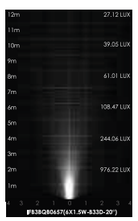

Silver Grey
KAP 9022

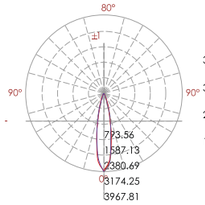

Sanded Black
RAL9005

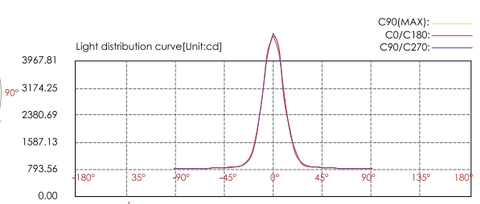
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IFB3BQB0657	6×1.5W	FB06	20°	24V DC 120/240	24V = 550 120V = 98 240V = 53	24V = 13.2 120V = 12 240V = 12	Cool White = 1004 Warm White = 775	05

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	976.22 LUX	0.7m	0.8m
4m	244.06 LUX	1.5m	1.5m
6m	108.47 LUX	2.2m	2.3m
8m	61.01 LUX	2.9m	3.0m
10m	39.05 LUX	3.7m	3.8m
12m	27.12 LUX	4.4m	4.5m

Ver.Spread:20.9 Horiz.Spread:21.4

CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light

LED COLOUR TEMPERATURE

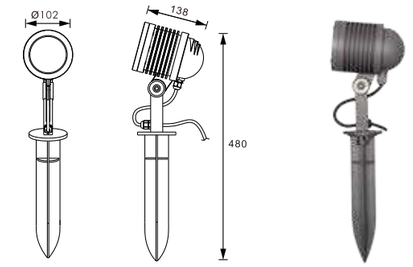
3000K · 6000K

OPTICS

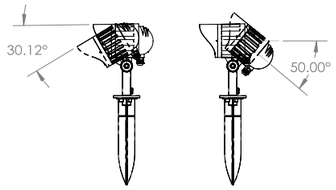

R3


25°
R0125C061HM

OUTER DIMENSIONS & ACCESSORIES Unit:mm



ADJUSTABLE BEAM DIRECTION





MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LED	NICHIA
LIGHT WINDOW	Tempered glass.T=4mm
CABLE GLAND	IP 68 PG-9 PA66
GASKET	Molding shaped silicone double seal
PCB	Excellent heat conductivity aluminum,coefficient ofheat conductivity≥90%
LED DRIVER	Constant current output
REFLECTOR	Optical Reflector efficiency≥90%
OPERATING TEMPERATURE	-20°C~40°C
SPIKE	ABS spike 7a
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)

HOUSING COLOR OPTION

Basic


Sanded Dark Grey
KAP 7037

Secondary

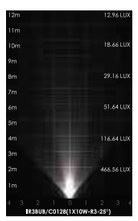

Silver Grey
KAP 9022

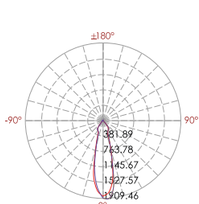

Sanded Black
RAL9005

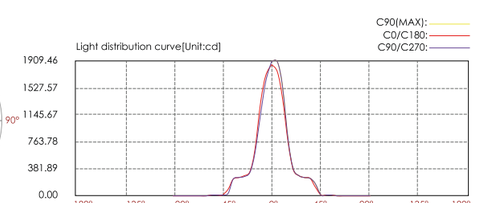
TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IR3BUB0128	1×10W COB	R3	25°	24V DC 120/240	24V = 411 120V = 88 240V = 48	24V = 9.8 120V = 10.5 240V = 10.5	Cool White = 685 Warm White = 674	05

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	466.56 LUX	0.9m	0.9m
4m	116.64 LUX	1.8m	1.9m
6m	51.84 LUX	2.7m	2.8m
8m	29.16 LUX	3.7m	3.7m
10m	18.66 LUX	4.6m	4.6m
12m	12.96 LUX	5.5m	5.6m

Ver.Spread:25.8 Horiz.Spread:26.1

CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light

LED COLOUR TEMPERATURE

3000K · 6000K

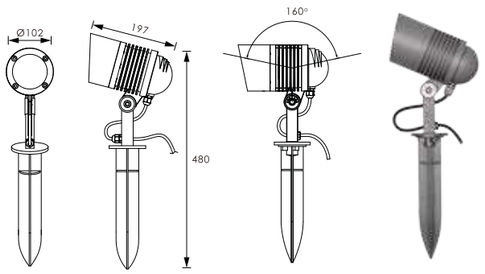
OPTICS


R3

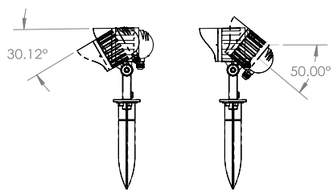

25°
R0125C061HM

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



ADJUSTABLE BEAM DIRECTION





MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LED	NICHIA
LIGHT WINDOW	Tempered glass.T=4mm
CABLE GLAND	IP68 PG-9 PA66
GASKET	Molding shaped silicone double seal
PCB	Excellent heat conductivity aluminum,coefficient of heat conductivity≥90%
LED DRIVER	Constant current output
REFLECTOR	Optical Reflector efficiency≥90%
OPERATING TEMPERATURE	-20°C~40°C
SPIKE	ABS spike 7a
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)

HOUSING COLOR OPTION

Basic


Sanded Dark Grey
KAP 7037

Secondary

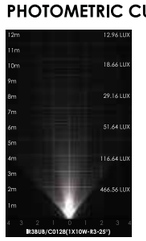

Silver Grey
KAP 9022

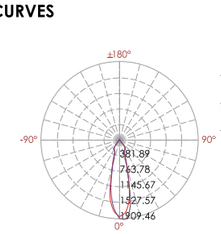

Sanded Black
RAL9005

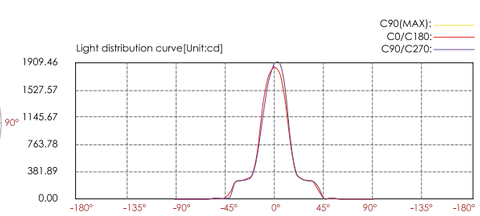
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IR3BUC0128	1×10W COB	R3	25°	24V DC 120/240	24V = 411 120V = 88 240V = 48	24V = 9.8 120V = 10.5 240V = 10.5	Cool White = 685 Warm White = 674	05

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	Beam width H
2m	466.56 LUX	0.9m	0.9m
4m	116.64 LUX	1.8m	1.9m
6m	51.84 LUX	2.7m	2.8m
8m	29.16 LUX	3.7m	3.7m
10m	18.66 LUX	4.6m	4.6m
12m	12.96 LUX	5.5m	5.6m

Ver.Spread:25.8 Horiz.Spread:26.1

CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS


FB03


9°
F03B33F09


15°
F03B33D15


20°
F03B33D20

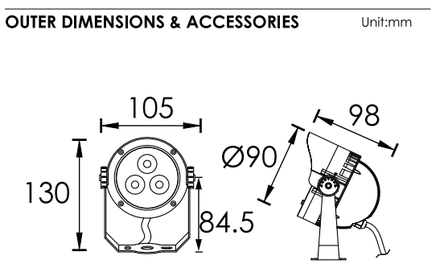

30°
F03B33D30

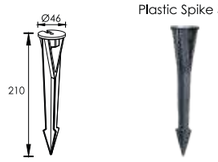

45°
F03B33D45


60°
F03B33D60

OUTER DIMENSIONS & ACCESSORIES

Unit:mm





Plastic Spike 5d



MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LENS	All-in-one optical lens,efficiency≥85%
LIGHT WINDOW	Tempered glass.T=4mm
CABLE GLAND	IP68 PG-9 PA66
GASKET	Tooling shaped seal
BRACKET	Powder coated aluminum
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

HOUSING COLOR OPTION

Basic


Sanded Dark Grey
KAP 7037

Secondary

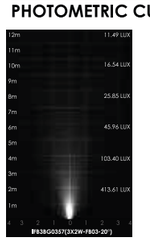

Silver Grey
KAP 9022

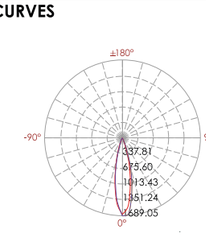

Sanded Black
RAL9005

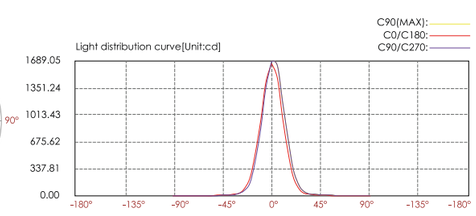
TECHNICAL DATA

ITEM	LENS	REFLECTOR	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IFB3BG0357	3×2W Single Color	FB03	20°	24V DC 120/240	24V = 240 120V = 51 240V = 30	24V = 5.7 120V = 6 240V = 6	Cool White = 466 Warm White = 383	07

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	Beam width H
2m	413.61 LUX	0.8m	0.8m
4m	103.40 LUX	1.7m	1.6m
6m	45.96 LUX	2.5m	2.4m
8m	25.85 LUX	3.3m	3.2m
10m	16.54 LUX	4.1m	4.0m
12m	11.49 LUX	5.0m	4.8m

Ver.Spread:23.4 Horiz.Spread:22.7

CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS



FB06



9°
F06B33F09



15°
F06B33D15



20°
F06B33D20



30°
F06B33D30

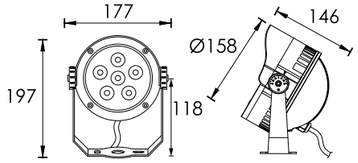


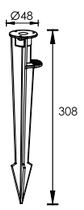
45°
F06B33D45



60°
F06B33D60

OUTER DIMENSIONS & ACCESSORIES Unit:mm





Plastic Spike 6a(M18)





MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LENS	All-in-one optical lens,efficiency≥85%
LIGHT WINDOW	Tempered glass,T=4mm
CABLE GLAND	IP68 PG-9 PA66
GASKET	Tooling shaped seal
BRACKET	Powder coated aluminum
POWER CABLE	H05RN-F 2X1.0mm2 L=2.0m(low voltage) H05RN-F 3X1.0mm2 L=2.0m(high voltage)
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

HOUSING COLOR OPTION

Basic

Secondary

Sanded Dark Grey
KAP 7037

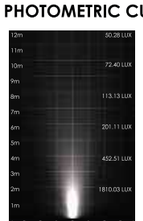
Silver Grey
KAP 9022

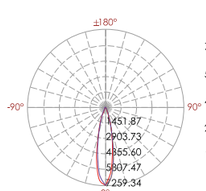
Sanded Black
RAL9005

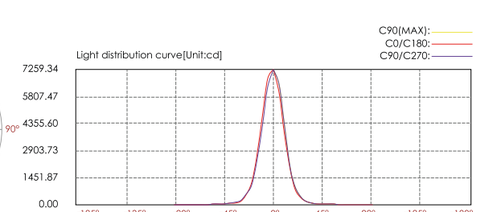
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IFB3BI0658	6×3W NICHIA	FB06	20°	24V DC 120/240	24V = 850 120V = 156 240V = 84	24V = 20.4 120V = 18.6 240V = 18.8	Cool White = 1833 Warm White = 1580	08

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	1810.03 LUX	0.8m	0.8m
4m	452.51 LUX	1.6m	1.6m
6m	201.11 LUX	2.4m	2.4m
8m	113.13 LUX	3.3m	3.3m
10m	72.40 LUX	4.1m	4.1m
12m	50.28 LUX	4.9m	4.9m

Ver.Spread:23.1 Horiz.Spread:23.1

CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS



FB06



9°
F06B33F09



15°
F06B33D15



20°
F06B33D20



30°
F06B33D30

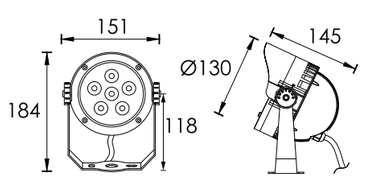


45°
F06B33D45



60°
F06B33D60

OUTER DIMENSIONS & ACCESSORIES Unit:mm





Spike 6a(M18)





MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LENS	All-in-one optical lens,efficiency≥85%
LIGHT WINDOW	Tempered glass,T=4mm
CABLE GLAND	IP68 PG-9 PA66
GASKET	Tooling shaped seal
BRACKET	Powder coated aluminum
POWER CABLE	H05RN-F 2X1.0mm2L=2.0m(low voltage) H05RN-F 3X1.0mm2L=2.0m(high voltage)
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

HOUSING COLOR OPTIONS

Basic

Secondary

Sanded Dark Grey
KAP 7037

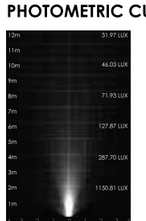
Silver Grey
KAP 9022

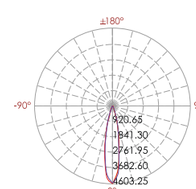
Sanded Black
RAL9005

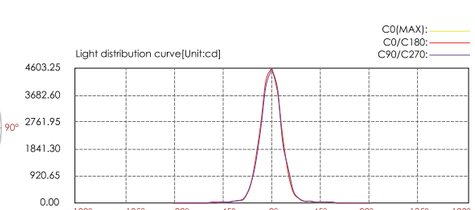
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IFB3BH0657	6×2W Single Color	FB06	20°	24V DC 120/240	24V = 558 120V = 97 240V = 57	24V = 13.4 120V = 11.5 240V = 12.6	Cool White = 1117 Warm White = 835	08

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	1150.81 LUX	0.7m	0.8m
4m	287.70 LUX	1.4m	1.5m
6m	127.87 LUX	2.1m	2.3m
8m	71.93 LUX	2.9m	3.0m
10m	46.03 LUX	3.6m	3.8m
12m	31.97 LUX	4.3m	4.6m

Ver.Spread:20.3 Horiz.Spread:21.5

CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light

LED COLOUR TEMPERATURE

3000K • 6000K

OPTICS


R5

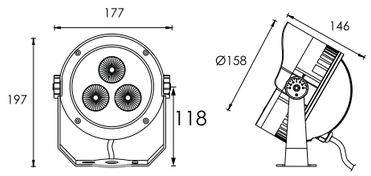

18°
R0118C044XL

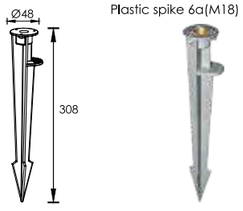

25°
R0125C044XL


40°
R0140C044XL

OUTER DIMENSIONS & ACCESSORIES

Unit:mm





Plastic spike 6a(M18) R3BI0325



MATERIAL SPECIFICATIONS

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

HOUSING COLOR OPTIONS

Basic

Secondary

Sanded Dark Grey
KAP 7037

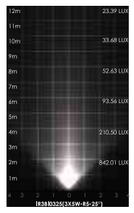
Silver Grey
KAP 9022

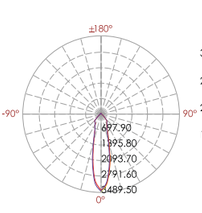
Sanded Black
RAL9005

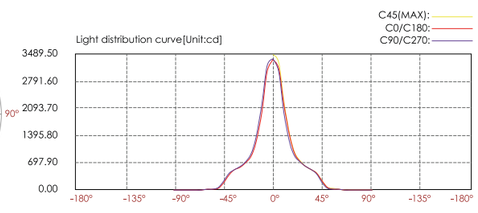
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IR3BI0325	3×5W COB	R5	25°	120/240	120V = 154 240V = 82	120V = 18.5 240V = 18.5	Cool White = 1745 Warm White = 1516	08

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	842.01 LUX	0.9m	0.9m
4m	210.50 LUX	1.8m	1.8m
6m	93.56 LUX	2.7m	2.7m
8m	52.63 LUX	3.5m	3.6m
10m	33.68 LUX	4.4m	4.5m
12m	23.39 LUX	5.3m	5.3m

Ver.Spread:25.0 Horiz.Spread:25.1

CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS


B67


15°
L0115D045OS

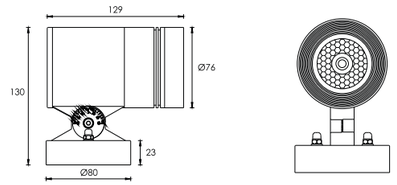

20°
L0120D045OS


25°
L0125D045OS

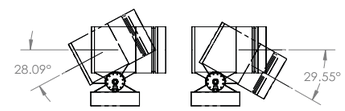

38°
L0138D045OS

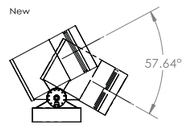
OUTER DIMENSIONS & ACCESSORIES

Unit:mm



ADJUSTABLE BEAM DIRECTION







MATERIAL SPECIFICATIONS

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

HOUSING COLOR OPTIONS

Basic

Secondary

Sanded Dark Grey
KAP 7037

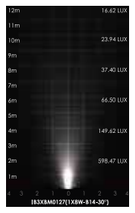
Silver Grey
KAP 9022

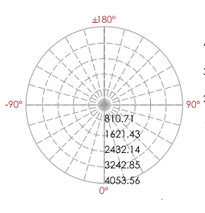
Sanded Black
RAL9005

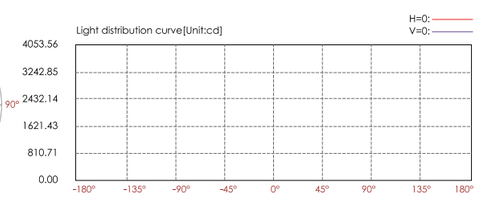
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB3XBM0127	1×8W COB	B67	25°	24V DC 120/240	24V = 411 120V = 88 240V = 50	24V = 9.8 120V = 10.5 240V = 10.8	Cool White = 920 Warm White = 862	07

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	1000.33 LUX	0.9m	0.9m
4m	250.08 LUX	1.8m	1.7m
6m	111.15 LUX	2.7m	2.6m
8m	62.52 LUX	3.6m	3.4m
10m	40.01 LUX	4.5m	4.3m
12m	27.79 LUX	5.4m	5.1m

Ver.Spread:25.4 Horiz.Spread:24.1

CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light

LED COLOUR TEMPERATURE

3000K · 6000K

OPTICS


R8


15°
R0115C050XL

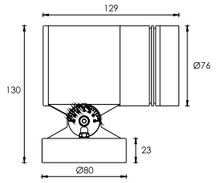

24°
R0124C050XL

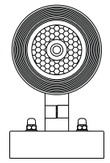

38°
R0138C050XL


60°
R0160C050XL

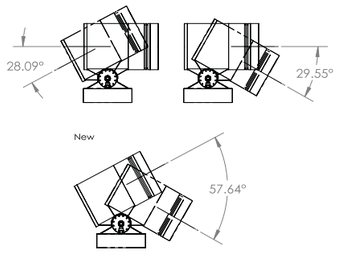
OUTER DIMENSIONS & ACCESSORIES

Unit:mm





ADJUSTABLE BEAM DIRECTION





MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered glass.T=4mm
LED DRIVER	Constant Voltage Input,Constant Current Output
LED	NICHIA
LENS	Optical lens,efficiency≥85%
POWER CABLE	H05RN-F 2X1.0mm² L=0.3m(low voltage) H05RN-F 3X1.0mm² L=0.3m(high voltage)
OPERATING TEMPERATURE	-20˚C~40˚C
MOUNTING BASE	Powder coated die-casting aluminum

HOUSING COLOR OPTIONS

Basic

Sanded Dark Grey
KAP 7037

Secondary

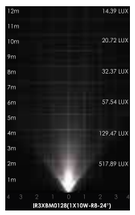
Silver Grey
KAP 9022

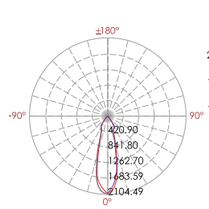
Sanded Black
RAL9005

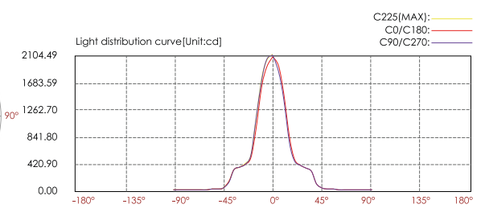
TECHNICAL DATA

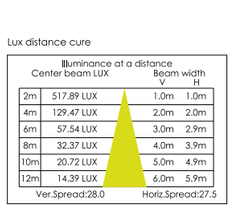
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IR3XBM0128	1×10W COB	R8	24°	24V DC 120/240	24V = 480 120V = 107 240V = 60	24V = 11.5 120V = 12.6 240V = 12.6	Cool White = 1050 Warm White = 956	07

PHOTOMETRIC CURVES









CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light

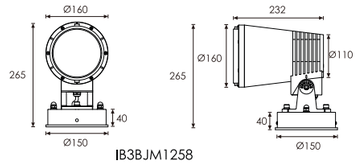


LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

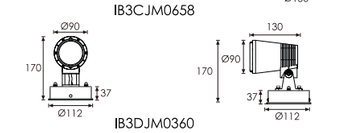
Unit:mm



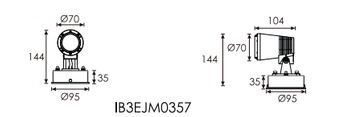
IB3BJM1258



IB3CJM0658



IB3DJM0360

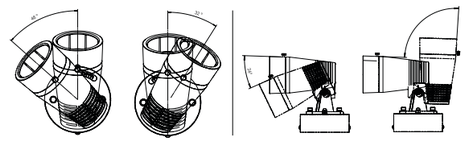


IB3EJM0357

MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered glass.T=3mm
LED	NICHIA
LED DRIVER	Constant Voltage Input,Constant Current Output
CABLE GLAND	IP68 PG-9 PA66
GASKET	Tooling shaped seal
POWER CABLE	H05RN-F 2X1.0mm2 L=0.3 m(low voltage) H05RN-F 3X1.0mm2 L=0.3 m(high voltage)
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

ADJUSTABLE BEAM DIRECTION



HOUSING COLOR OPTIONS

Basic


Sanded Dark Grey
KAP 7037

Secondary


Silver Grey
KAP 9022


Sanded Black
RAL 9005


Sanded white
RAL 9003

CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light

OPTICS


B33
(B33D/B33F)


9° (B33F)
L0109F023YH


15°
L0115D023YH


20°
L0120D023YH


30°
L0130D023YH


45°
L0145D023YH


60°
L0160D023MD


A24


15°
L0115D038LK

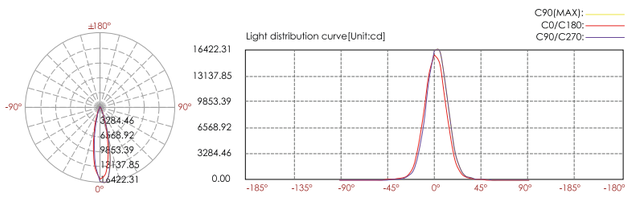

30°
L0130D038LK

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB3BJM1258	12×3.3W	B33D	20°	120/240V	120V = 366 240V = 186	120V = 44.2 240V = 44	Cool White = 4035 Warm White = 3431	06
IB3CJM0658	6×3.3W	B33D	20°	120/240	120V = 196 240V = 101	120V = 23.1 240V = 23.3	Cool White = 2017 Warm White = 1855	06
IB3DJM0360	3×4W	B33D	20°	120/240	120V = 118 240V = 65	120V = 14.5 240V = 15.1	Cool White = 1230 Warm White = 1018	06
IB3EJM0357	3×2W	A24	30°	24V DC 120/240	24V = 300 120V = 110 240V = 65	24V = 7.2 120V = 8.3 240V = 8.5	Cool White = 560 Warm White = 518	05

PHOTOMETRIC CURVES

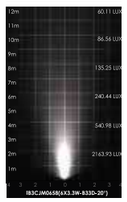


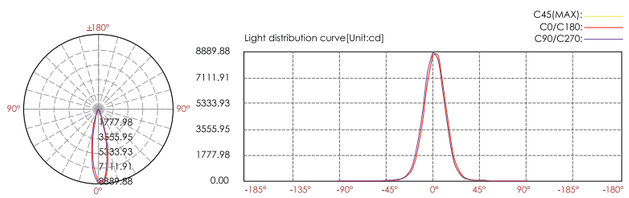


Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	Beam width H
2m	3968.45 LUX	0.8m	0.8m
4m	992.11 LUX	1.7m	1.6m
6m	440.94 LUX	2.5m	2.4m
8m	248.03 LUX	3.3m	3.2m
10m	158.74 LUX	4.1m	4.0m
12m	110.23 LUX	5.0m	4.8m

Ver.Spread:23.4 Horiz.Spread:22.8

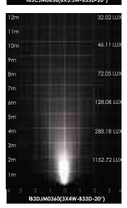


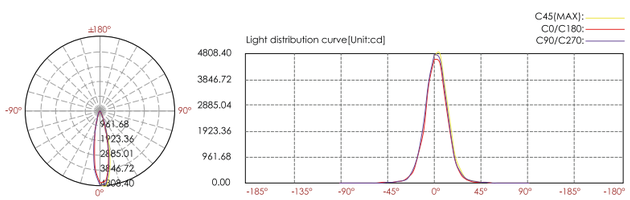


Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	Beam width H
2m	2163.93 LUX	0.8m	0.8m
4m	540.98 LUX	1.6m	1.6m
6m	240.44 LUX	2.5m	2.4m
8m	135.25 LUX	3.3m	3.2m
10m	86.56 LUX	4.1m	4.0m
12m	60.11 LUX	4.9m	4.8m

Ver.Spread:23.2 Horiz.Spread:22.8

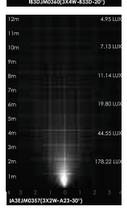


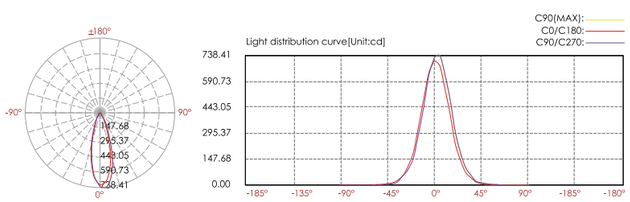


Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	Beam width H
2m	1152.72 LUX	0.8m	0.8m
4m	288.18 LUX	1.6m	1.5m
6m	128.08 LUX	2.4m	2.3m
8m	70.05 LUX	3.3m	3.1m
10m	46.11 LUX	4.1m	3.9m
12m	32.02 LUX	4.9m	4.6m

Ver.Spread:23.1 Horiz.Spread:21.8





Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	Beam width H
2m	178.22 LUX	1.1m	1.1m
4m	44.55 LUX	2.2m	2.2m
6m	19.80 LUX	3.3m	3.3m
8m	11.14 LUX	4.4m	4.4m
10m	7.13 LUX	5.5m	5.4m
12m	4.95 LUX	6.6m	6.5m

Ver.Spread:30.7 Horiz.Spread:30.5

CE RoHS compliance 2011/65/EU IP66

FEATURES

Horizontal ±30°





Vertical +90°



Heat radiation structure



Hood



Build-in water proof junction box



Optional accessories - Spike



CE RoHS compliance 2011/65/EU IP66

Architectural
& Landscape Spot Light

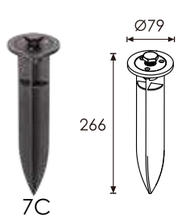
ACCESSORIES OPTION : SPIKE

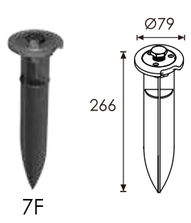








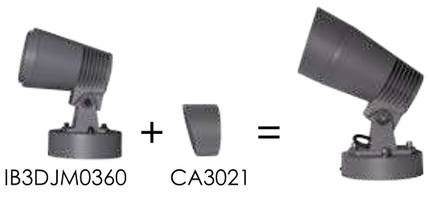


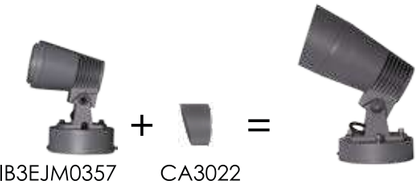


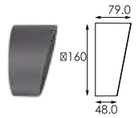
ACCESSORIES OPTION : HOOD

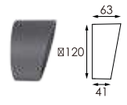


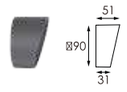


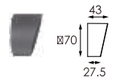










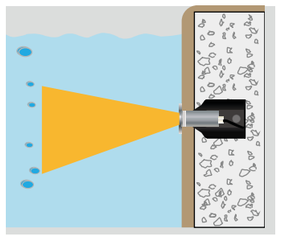


CE RoHS compliance 2011/65/EU IP66



Recessed
Swimming Pool Light





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

OPTICS


B15


10°
L0110D016LK


15°
L0115D016LK

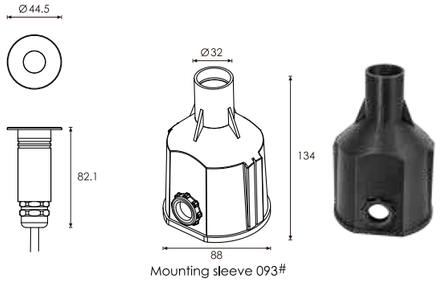

20°
L0120D016LK


30°
L0130D016LK

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES



Mounting sleeve 093#

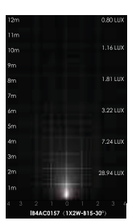
MATERIAL SPECIFICATIONS

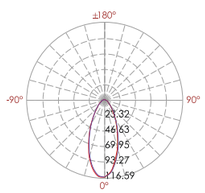
FRONT COVER & HOUSING	Molding shaped sus 316L# stainless steel housing
GASKET	EPDM gasket
LIGHT WINDOW	Step tempered glass, T=4mm
LENS	Optical lens, efficiency≥85%
CABLE GLAND	IP68 PG-11 copper with nickel-coated
PCB	Excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
LED DRIVER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

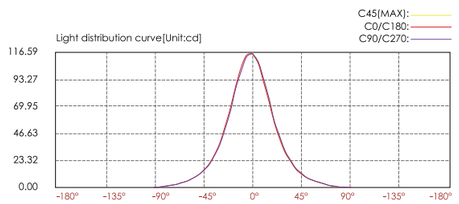
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB4AC0157	1×2W Single color	B15	30°	24V DC	87	2	Cool White = 102 Warm White = 94	03

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

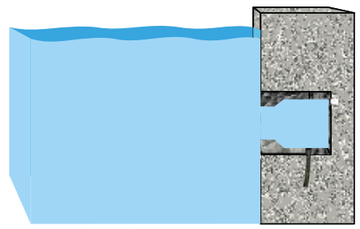
Center beam LUX		Beam width V	H
2m	28.94 LUX	1.6m	1.6m
4m	7.24 LUX	3.2m	3.1m
6m	3.22 LUX	3.1m	4.7m
8m	1.81 LUX	6.3m	6.3m
10m	1.16 LUX	7.9m	7.8m
12m	0.80 LUX	9.5m	9.4m

Ver.Spread:43.1 Horiz.Spread:42.8

CE RoHS compliance 2011/65/EU IP68 TRIAC PWM 1-10V DALI

Recessed
Swimming Pool Light





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

OPTICS


A8

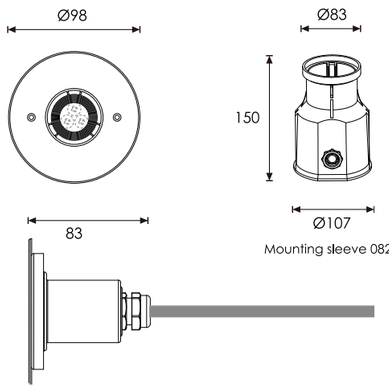

15°
L0315D023LK


30°
L0330D023LK

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES Unit:mm



Mounting sleeve 082

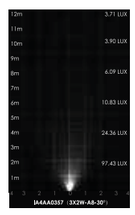
MATERIAL SPECIFICATIONS

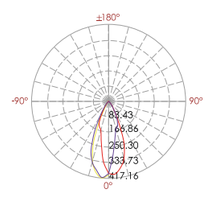
FRONT COVER & HOUSING	Hard chromeplated molding shaped SUS 316L# stainless steel housing
GASKET	EPDM gasket
LIGHT WINDOW	Step tempered glass, T=8mm
LENS	All-in-one optical lens, efficiency≥85%
CABLE GLAND	IP68 PG-11 copper with nickel-coated
PCB	Excellent heat conductivity aluminum, coefficient of heat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

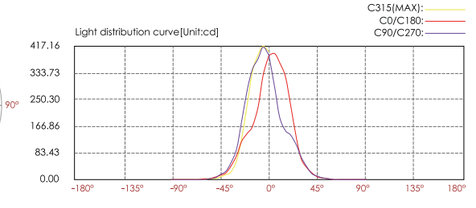
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IA4AA0357	3×2W Single color	A8	30°	24V DC	245	5.9	Cool White = 466 Warm White = 383	07

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

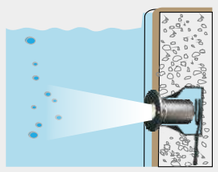
Center beam LUX		Beam width V	H
2m	97.43 LUX	1.2m	1.2m
4m	24.36 LUX	2.4m	2.5m
6m	10.83 LUX	3.6m	3.7m
8m	6.09 LUX	1.7m	5.0m
10m	3.90 LUX	5.9m	6.2m
12m	2.71 LUX	7.1m	7.5m

Ver.Spread:33.0 Horiz.Spread:34.7

CE RoHS compliance 2011/65/EU IP68 TRIAC PWM 1-10V DALI

Recessed Swimming Pool Light





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

OPTICS



B33
(B33D/B33F)



9°(B33F)
L0109F023YH



15°
L0115D023YH



20°
L0120D023YH



30°
L0130D023YH



45°
L0145D023YH



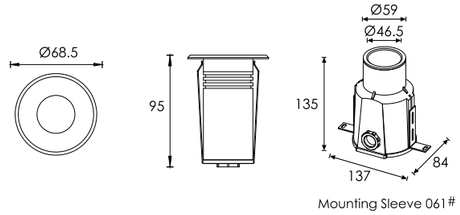
60°
L0160D023MD

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



Mounting Sleeve 061#

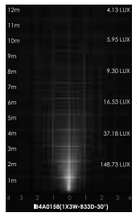
MATERIAL SPECIFICATIONS

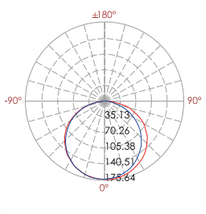
FRONT COVER & HOUSING	Hard chromeplated molding shaped stainless steel SUS 316#
LIGHT WINDOW	Step tempered glass.T=7mm
GASKET	Silicone Gasket
LENS	Optical lens,efficiency≥85%
PCB	Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input,Constant Current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

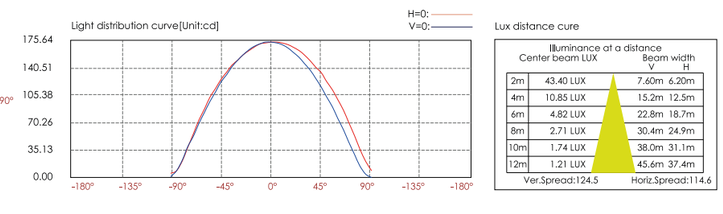
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB4A0158	1×3W	B33D	30°	DC	110	2.6	Cool White = 174 Warm White = 139	06

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

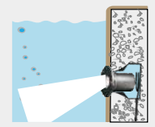
Center beam LUX		Beam width V	H
2m	43.40 LUX	7.60m	6.20m
4m	10.85 LUX	15.2m	12.5m
6m	4.82 LUX	22.8m	18.7m
8m	2.71 LUX	30.4m	24.9m
10m	1.74 LUX	38.0m	31.1m
12m	1.21 LUX	45.6m	37.4m

Ver.Spread:124.5 Horiz.Spread:114.6

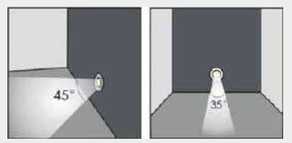
CE RoHS compliance 2011/65/EU IP68 TRIAC PWM 1-10V DALI

Recessed Swimming Pool Light





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



Impression drawing of C4A0158

OPTICS



C9



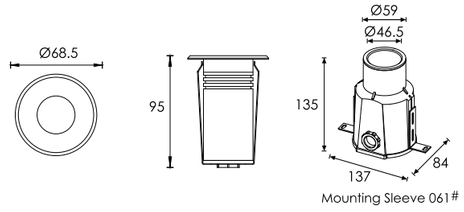
45°
35°
L01 45/35 F023YH 30°

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



Mounting Sleeve 061#

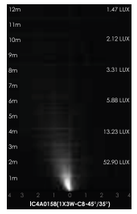
MATERIAL SPECIFICATIONS

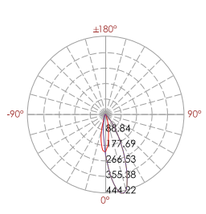
FRONT COVER & HOUSING	Hard chromeplated molding shaped stainless steel SUS 316#
LIGHT WINDOW	Step tempered glass.T=7mm
GASKET	Silicone Gasket
LENS	Optical lens,efficiency≥85%
PCB	Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input,Constant Current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

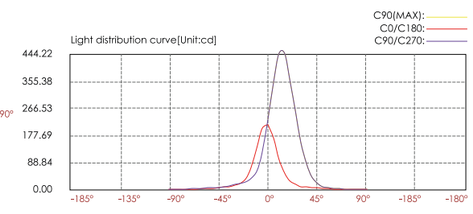
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IC4A0158	1×3W	C9	45° 35°	DC	110	2.6	Cool White = 143 Warm White = 115	06

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	52.90 LUX	1.0m	0.8m
4m	13.23 LUX	1.9m	1.6m
6m	5.88 LUX	2.9m	2.4m
8m	3.31 LUX	3.8m	3.2m
10m	2.12 LUX	4.8m	4.0m
12m	1.47 LUX	5.7m	4.7m

Ver.Spread:26.7 Horiz.Spread:22.4

CE RoHS compliance 2011/65/EU IP68 TRIAC PWM 1-10V DALI



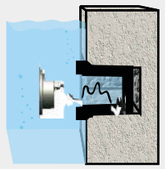
Recessed Swimming Pool Light



Overheat Sensor Inside



Built-in Radiator



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

OPTICS



B32



20°
L0120F024PS



25°
L0125F024PS



30°
L0130F024PS



35°
L0135F024PS



45°
L0145F024PS

LED COLOUR TEMPERATURE

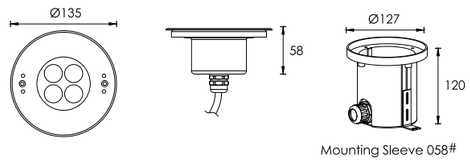
2000K · 3000K · 6000K

MATERIAL SPECIFICATIONS

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

OUTER DIMENSIONS & ACCESSORIES

Unit:mm

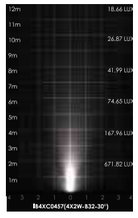


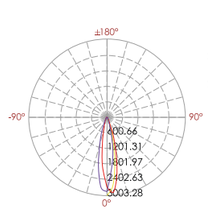
Mounting Sleeve 058#

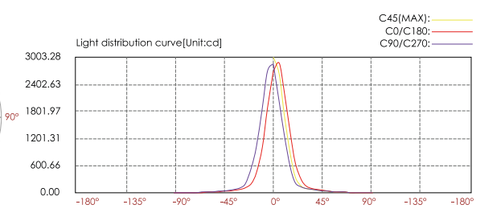
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB4XC0457	4×2W	B32	30°	24V DC	371	8.9	Cool White = 467 Warm White = 415	08

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	671.82 LUX	0.8m	0.8m
4m	167.96 LUX	1.5m	1.6m
6m	74.65 LUX	2.3m	2.3m
8m	41.99 LUX	3.1m	3.1m
10m	26.87 LUX	3.8m	3.9m
12m	18.66 LUX	4.6m	4.7m

Ver.Spread:21.6 Horiz.Spread:22.0

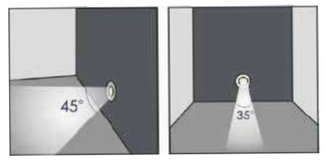
CE RoHS compliance 2011/65/EU IP68 TRIAC PWM 1-10V DALI

Recessed Swimming Pool Light

Overheat Sensor Inside

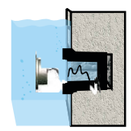


Impression drawing of C4A0158



Built-in Radiator





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

OPTICS



C8



45°/35°
L01 45/35 F024PS

LED COLOUR TEMPERATURE

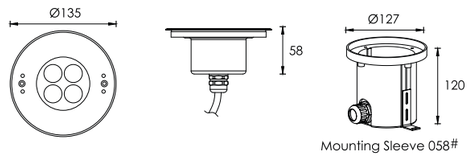
2000K · 3000K · 6000K

MATERIAL SPECIFICATIONS

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

OUTER DIMENSIONS & ACCESSORIES

Unit:mm

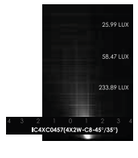


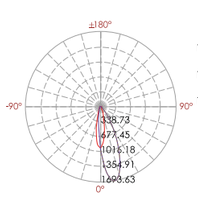
Mounting Sleeve 058#

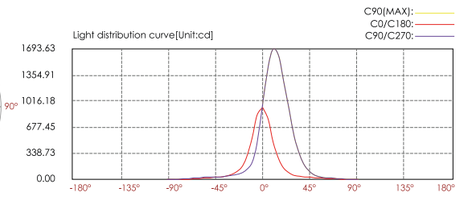
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IC4XC0457	4×2W	C8	45°/35°	24V DC	371	8.9	Cool White = 511 Warm White = 450	08

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	233.59 LUX	1.0m	0.9m
4m	58.47 LUX	1.9m	1.7m
6m	25.99 LUX	2.9m	2.6m
8m	14.62 LUX	3.8m	3.4m
10m	9.36 LUX	4.8m	4.3m
12m	6.50 LUX	5.7m	5.1m

Ver.Spread:26.9 Horiz.Spread:24.1

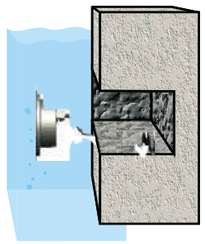
CE RoHS compliance 2011/65/EU IP68 TRIAC PWM 1-10V DALI

Recessed
Swimming Pool Light



Built-in Radiator





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

OPTICS


B32


20°
L0120F024PS


25°
L0125F024PS


30°
L0130F024PS


35°
L0135F024PS


45°
L0145F024PS

LED COLOUR TEMPERATURE

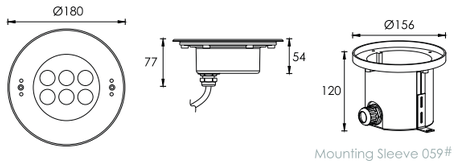
2000K · 3000K · 6000K

MATERIAL SPECIFICATIONS

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

OUTER DIMENSIONS & ACCESSORIES

Unit:mm

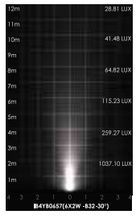


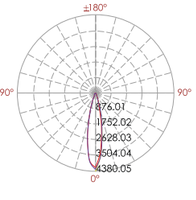
Mounting Sleeve 059#

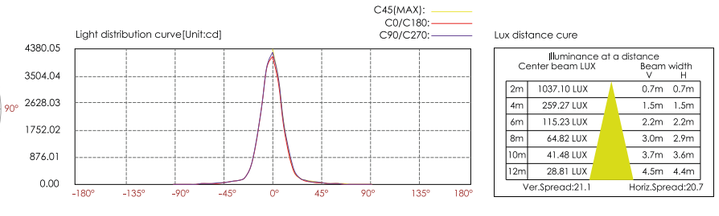
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB4YB0657	6×2W	B32	30°	24V DC	700	16.8	Cool White = 754 Warm White = 656	08

PHOTOMETRIC CURVES







Lux distance cure

Center beam LUX		Beam width V	H
2m	1037.10 LUX	0.7m	0.7m
4m	259.27 LUX	1.5m	1.5m
6m	115.23 LUX	2.2m	2.2m
8m	64.82 LUX	3.0m	2.9m
10m	41.48 LUX	3.7m	3.6m
12m	28.81 LUX	4.5m	4.4m

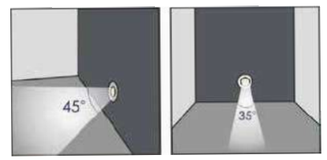
Ver.Spread:21.1 Horiz.Spread:20.7

CE RoHS compliance 2011/65/EU IP68 TRIAC PWM 1-10V DALI

Recessed
Swimming Pool Light

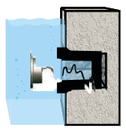


Impression drawing of C4A0158



Built-in Radiator





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

OPTICS


C8


45°/35°
L01 45/35 F024PS

LED COLOUR TEMPERATURE

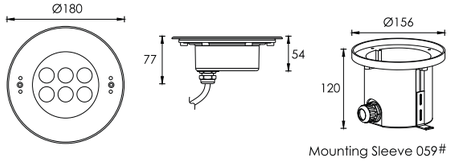
2000K · 3000K · 6000K

MATERIAL SPECIFICATIONS

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

OUTER DIMENSIONS & ACCESSORIES

Unit:mm

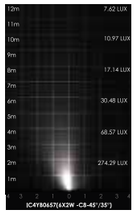


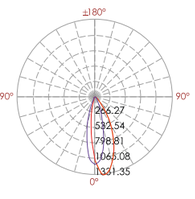
Mounting Sleeve 059#

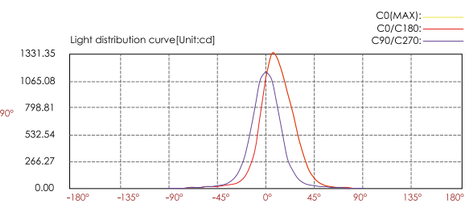
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IC4YB0657	6×2W	C8	45°/35°	24V DC	700	16.8	Cool White = 853 Warm White = 682	08

PHOTOMETRIC CURVES







Lux distance cure

Center beam LUX		Beam width V	H
2m	274.29 LUX	1.1m	1.2m
4m	68.57 LUX	2.2m	2.3m
6m	30.48 LUX	3.2m	3.5m
8m	17.14 LUX	4.3m	4.6m
10m	10.97 LUX	5.4m	5.8m
12m	7.62 LUX	6.5m	6.9m

Ver.Spread:30.1 Horiz.Spread:32.1

CE RoHS compliance 2011/65/EU IP68 TRIAC PWM 1-10V DALI

Recessed
Swimming Pool Light





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

OPTICS



LED COLOUR TEMPERATURE

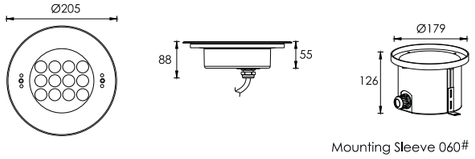
2000K · 3000K · 6000K

MATERIAL SPECIFICATIONS

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

OUTER DIMENSIONS & ACCESSORIES

Unit:mm

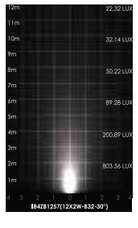


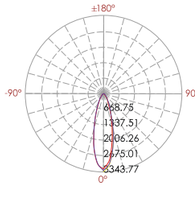
Mounting Sleeve 060#

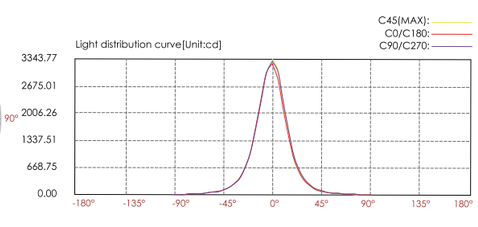
TECHNICAL DATA

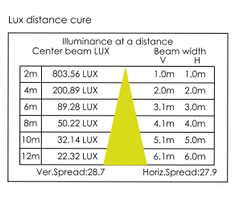
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB4ZB1257	12×2W Single color	B32	30°	24V DC	1200	28.8	Cool White = 1361 Warm White = 1156	08

PHOTOMETRIC CURVES







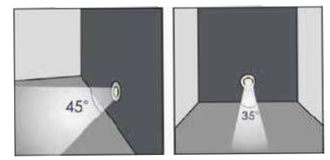


CE RoHS compliance 2011/65/EU IP68 TRIAC PWM 1-10V DALI

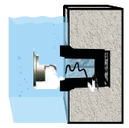
Recessed
Swimming Pool Light



Impression drawing of C4A0158







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

OPTICS



LED COLOUR TEMPERATURE

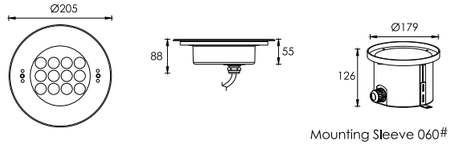
2000K · 3000K · 6000K

MATERIAL SPECIFICATIONS

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

OUTER DIMENSIONS & ACCESSORIES

Unit:mm

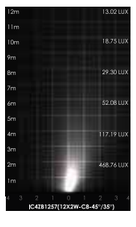


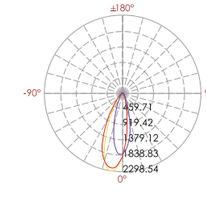
Mounting Sleeve 060#

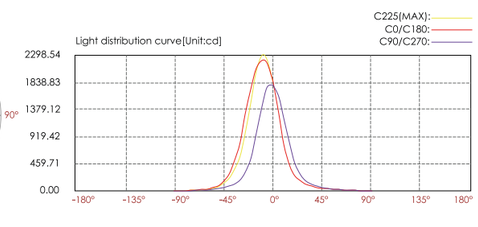
TECHNICAL DATA

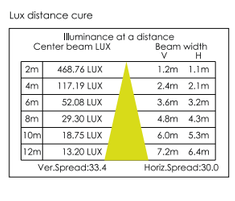
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IC4ZB1257	12×2W Single color	C8	45° 35°	24V DC	1200	28.8	Cool White = 1569 Warm White = 1236	08

PHOTOMETRIC CURVES









CE RoHS compliance 2011/65/EU IP68 TRIAC PWM 1-10V DALI

Recessed
Swimming Pool Light

Overheat Sensor Inside





Built-in Radiator





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

OPTICS


B32


20°
L0120F024PS


25°
L0125F024PS

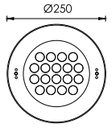

30°
L0130F024PS

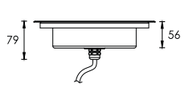

35°
L0135F024PS

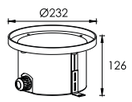

45°
L0145F024PS

OUTER DIMENSIONS & ACCESSORIES

Unit:mm







Mounting Sleeve 075#

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

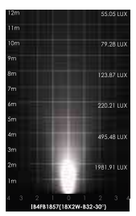
MATERIAL SPECIFICATIONS

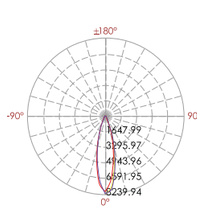
FRONT COVER & HOUSING	Molding shaped hard chromeplated stainless steel SUS 316L#
LIGHT WINDOW	Step tempered glass.T=10mm
GASKET	Silicone Gasket
LENS	Optical lens,efficiency≥85%
GLASS PRESSURE CAPACITY	Excellent heat conductivity aluminum coefficient of heatConductivity≥2.0w/mk
PCB	Excellent heat conductivity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

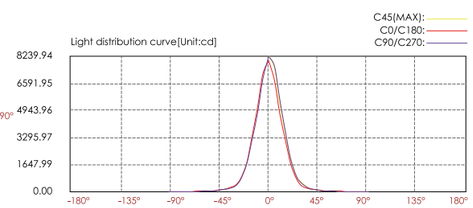
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB4FB1857	18×2W	B32	30°	24V DC	1900	45.6	Cool White = 2221 Warm White = 1828	10

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	1981.91 LUX	0.9m	0.9m
4m	495.48 LUX	1.8m	1.8m
6m	220.21 LUX	2.8m	2.6m
8m	123.87 LUX	3.7m	3.5m
10m	79.28 LUX	4.6m	4.4m
12m	55.05 LUX	5.5m	5.3m

Ver.Spread:25.9 Horiz.Spread:24.8

CE RoHS compliance 2011/65/EU IP68 TRIAC PWM 1-10V DALI

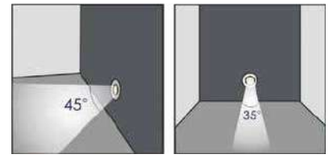
Recessed
Swimming Pool Light





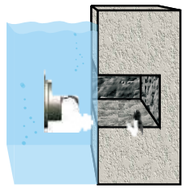
Overheat Sensor Inside

Impression drawing of C4A0158



Built-in Radiator





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

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

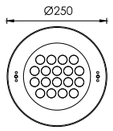
OPTICS

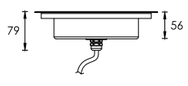

C8

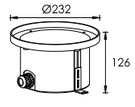

45°
35°
L01 45/35 F024PS

OUTER DIMENSIONS & ACCESSORIES

Unit:mm







Mounting Sleeve 075#

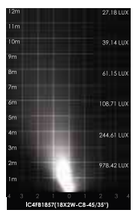
MATERIAL SPECIFICATIONS

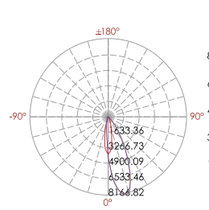
FRONT COVER & HOUSING	Molding shaped hard chromeplated stainless steel SUS 316L#
LIGHT WINDOW	Step tempered glass.T=10mm
GASKET	Silicone Gasket
LENS	Optical lens,efficiency≥85%
GLASS PRESSURE CAPACITY	Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
PCB	IP68 PG-11 copper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

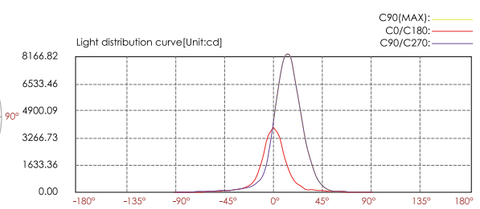
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
IC4FB1857	18×2W Single color	C8	45° 35°	24V DC	1900	45.6	Cool White = 2532 Warm White = 2114

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	978.42 LUX	1.0m	0.8m
4m	244.61 LUX	1.9m	1.5m
6m	108.71 LUX	2.9m	2.3m
8m	61.15 LUX	3.8m	3.0m
10m	39.14 LUX	4.8m	3.8m
12m	27.18 LUX	5.8m	4.6m

Ver.Spread:27.0 Horiz.Spread:21.6

CE RoHS compliance 2011/65/EU IP68 TRIAC PWM 1-10V DALI

Symmetrical
Wall Recessed LED Pool Light





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

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS



B26
L0108C021YT 8°



B27
L0113D021YT 13°
L0125D021YT 25°
L0130D021YT 30°

B26



8°

B27



13°



25°



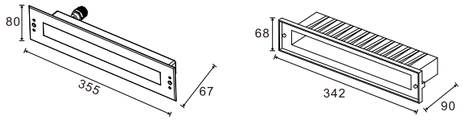
30°

MATERIAL SPECIFICATIONS

Front cover & Housing	Hard chromeplated molding shaped stainless steel sus 316L#
Light Windw	PC
Gasket	Silicone gasket
Lens	Optical lens. efficiency≥85%
PCB	Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
LED Driver	Constant Voltage Input,Constant Current Output
Power Cable	H05RN-F 2X1.0mm² L=3.0m(for single color)
Application environment	Temperature of water between -20°C~40°C less than 1 meter depth.
Cable gland	IP68 PG-9 copper with nickel-coated
Mounting sleeve	ABS 101#
Dimmable Support	Triac PWM 1-10V Dali

OUTER DIMENSIONS & ACCESSORIES Unit:mm

101# Mounting sleeve



IB4QA0658

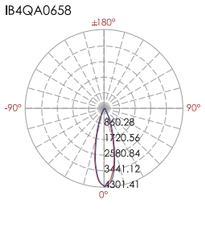
TECHNICAL DATA

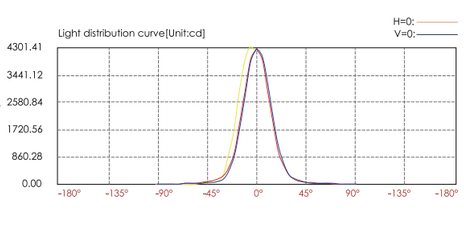
Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
IB4QA0658	6×3W	B27	30°	24V DC	950	22.8	Cool white Warm white	10

PHOTOMETRIC CURVES



IB4QA0658





Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	1059.22 LUX	1.0m	1.0m
4m	264.81 LUX	2.0m	2.0m
6m	117.69 LUX	2.9m	3.0m
8m	66.20 LUX	3.0m	4.0m
10m	42.37 LUX	4.9m	4.9m
12m	29.42 LUX	5.9m	5.9m

Ver.Spread:27.6 Horiz.Spread:27.8

CE RoHS compliance 2011/65/EU IP68 TRIAC PWM 1-10V DALI

Asymmetrical
Wall Recessed LED Pool Light





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

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS



C11
L01 45°/35°F019HZ

C11



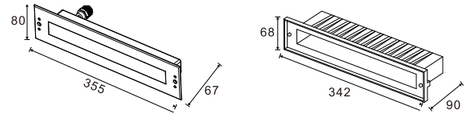
45°
35°

MATERIAL SPECIFICATIONS

Front cover & Housing	Hard chromeplated molding shaped stainless steel sus 316L#
Light Windw	PC
Gasket	Silicone gasket
Lens	Optical lens. efficiency≥85%
PCB	Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
LED Driver	Constant Voltage Input,Constant Current Output
Power Cable	H05RN-F 2X1.0mm² L=3.0m(for single color)
Application environment	Temperature of water between -20°C~40°C less than 1 meter depth.
Cable gland	IP68 PG-9 copper with nickel-coated
Mounting sleeve	ABS 101#
Dimmable Support	Triac PWM 1-10V Dali

OUTER DIMENSIONS & ACCESSORIES Unit:mm

101 Mounting sleeve

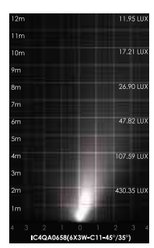


IC4QA0658 #

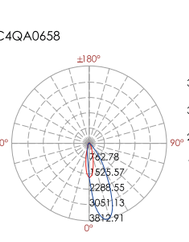
TECHNICAL DATA

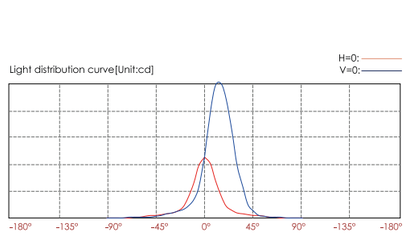
Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
IC4QA0658	6×3W NICHIA	C11	45° 35°	24V DC	950	22.8	Cool white =1280 Warm white =1102	

PHOTOMETRIC CURVES



IC4QA0658





Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	430.35 LUX	0.9m	1.0m
4m	107.59 LUX	1.7m	1.9m
6m	47.82 LUX	2.6m	2.9m
8m	26.90 LUX	3.4m	3.9m
10m	17.21 LUX	4.3m	4.8m
12m	11.95 LUX	5.1m	5.8m

Ver.Spread:24.2 Horiz.Spread:27.2

CE RoHS compliance 2011/65/EU IP68 TRIAC PWM 1-10V DALI



IP-65 Slim Type Linear Light Bar



LED COLOUR TEMPERATURE

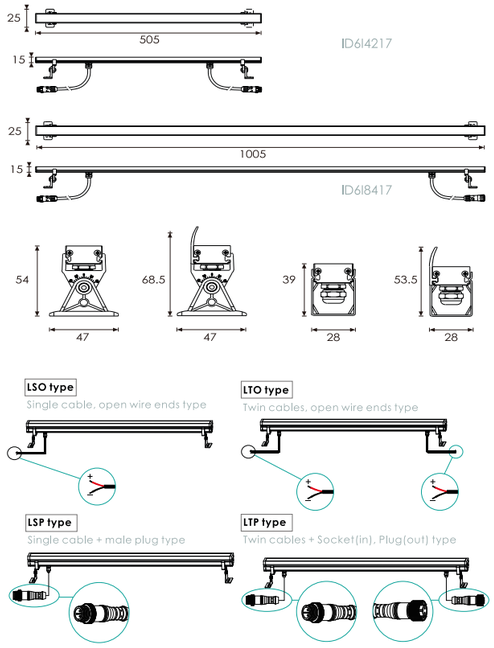
2000K• 3000K• 6000K

OPTICS

N/A

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



MATERIAL SPECIFICATIONS

HOUSING	Aluminum anodized finshing & powder painting
DIFFUSE	PC T=2mm
CABLE GLAND	Copper and nickel coated
LED	SMD2835
PCB	Heat Conductivity≥2.0w/mk
LED DRIVER	Constant current IC on the board
	-20°C~40°C
POWER CABLE	H03VV-F 2X0.75mm2 L=option
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

CE RoHS compliance 2011/65/EU IP66 TRIAC PWM 1-10V DALI

IP-65 Slim Type
Linear Light Bar

OPTIONAL PARTS



•Stainless Steel Bracket



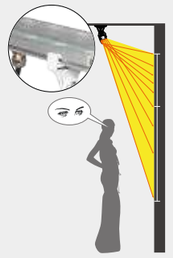
•Plug/Socket Connector



•Cap-Optional Accessory



•Cap-Optional Accessory



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

The bracket of Rotatable type

The bracket of Angle-Fixed type

Regular

Option

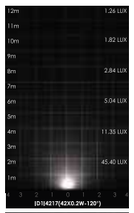


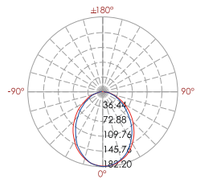
•Bracket

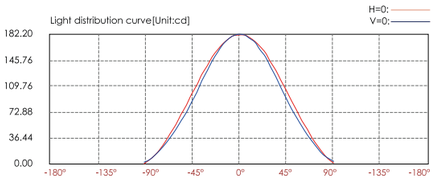
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENGTH(MM)	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	PF	IK
ID6I4217	42×0.2W	505	120°	24V DC	350	8.5	Cool White = 430 Warm White = 418	1	02
ID6I8417	84×0.2W	1005	120°	24V DC	700	17	Cool White = 994 Warm White = 867	1	02

PHOTOMETRIC CURVES



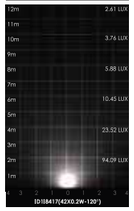


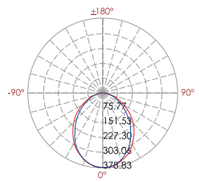


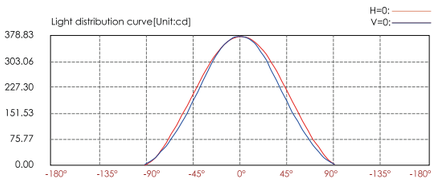
Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	45.40 LUX	4.50m	3.90m
4m	11.35 LUX	9.00m	7.90m
6m	5.04 LUX	13.4m	11.8m
8m	2.84 LUX	17.9m	15.7m
10m	1.82 LUX	22.4m	19.6m
12m	1.26 LUX	26.9m	23.6m

Ver.Spread:96.5 Horiz.Spread:89.0







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	94.09 LUX	4.50m	3.90m
4m	23.52 LUX	9.00m	7.90m
6m	10.45 LUX	13.6m	11.8m
8m	5.88 LUX	18.1m	15.7m
10m	3.76 LUX	22.6m	19.6m
12m	2.61 LUX	27.1m	23.6m

Ver.Spread:97.0 Horiz.Spread:89.0

CE RoHS compliance 2011/65/EU IP66 TRIAC PWM 1-10V DALI

Slim Type
LED Linear Wall Washer



LED COLOUR TEMPERATURE

2000K• 3000K• 6000K

OPTICS



B17



15°
L0115D020ME



20°
L0120D020ME



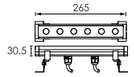
30°
L0130D020ME



50°
L0150D020ME

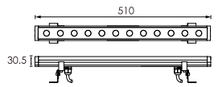
OUTER DIMENSIONS & ACCESSORIES Unit:mm

Low voltage input (24VDC)

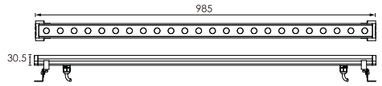




IB6R0656

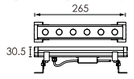


IB6R1256

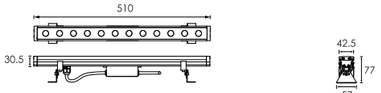


IB6R2456

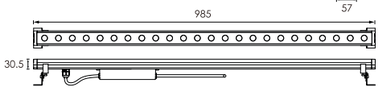
High voltage input (100V-240V)



IB6R0656



IB6R1256

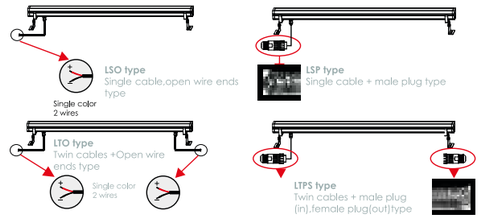


IB6R2456

MATERIAL SPECIFICATIONS

HOUSING	Extruded aluminum,powder coated
LENS	Optical lens, efficiency≥85%
LIGHT WINDOW	Step tempered glass.T=4mm
CABLE GLAND	IP68 PG-9 PA66
GASKET	Glass and housing are silicone sealed
LED	OSRAM SMD3030
OPERATING TEMPERATURE	-20°C~40°C
BRACKET	Hard chromeplatedstainless steel SUS 304# T=1.5mm
POWER CABLE	2XH05RN-F 2X1.0mm2 L=0.5m(low voltage) 2XH05RN-F 3X1.0mm2 L=0.5m(high voltage)
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

Low voltage input (24VDC) power cord model

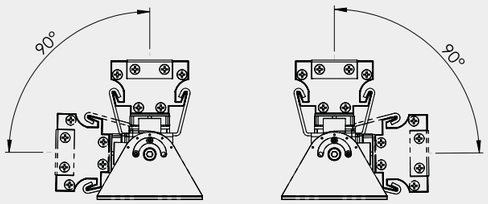


High voltage input (100V-240V) power cord wiring model



CE RoHS compliance 2011/65/EU IP66 TRIAC PWM 1-10V DALI

Slim Type
LED Linear Wall Washer



•Adjustable beam direction

OPTIONAL PARTS



•Air Valve

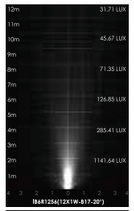


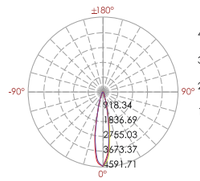
•Cap-Optional Accessory

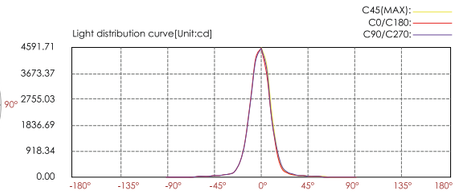
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	LENGTH(MM)	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB6R0656	6×1.0W Single color	B17	20°	265	24V DC 120/240	24V = 305 120V = 100 240V = 55	24V = 7.5 120V = 7.2 240V = 7.3	Cool White = 530 Warm White = 512	02
IB6R1256	12×1.0W Single color	B17	20°	510	24V DC 120/240	24V = 610 120V = 130 240V = 65	24V = 14.5 120V = 15 240V = 15	Cool White = 1080 Warm White = 864	02
IB6R2456	24×1.0W Single color	B17	20°	985	24V DC 120/240	24V = 1220 120V = 295 240V = 163	24V = 29 120V = 35 240V = 35	Cool White = 2140 Warm White = 1976	02

PHOTOMETRIC CURVES



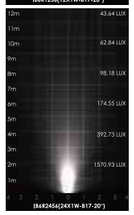


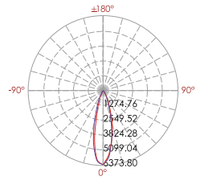


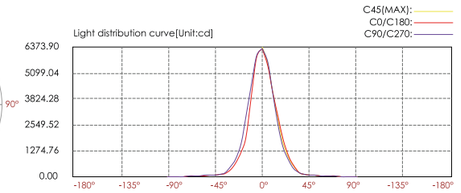
Lux distance cure

Illuminance at a distance	Center beam LUX	Beam width V	Beam width H
2m	1141.64 LUX	0.7m	0.7m
4m	285.41 LUX	1.5m	1.5m
6m	126.85 LUX	2.2m	2.2m
8m	71.35 LUX	3.0m	3.0m
10m	45.67 LUX	3.7m	3.7m
12m	31.71 LUX	4.4m	4.4m

Ver.Spread:20.9 Horiz.Spread:20.9







Lux distance cure

Illuminance at a distance	Center beam LUX	Beam width V	Beam width H
2m	1570.93 LUX	1.0m	0.9m
4m	392.73 LUX	2.0m	1.9m
6m	174.55 LUX	2.9m	2.8m
8m	98.18 LUX	3.9m	3.7m
10m	62.84 LUX	4.9m	4.7m
12m	43.64 LUX	5.9m	5.6m

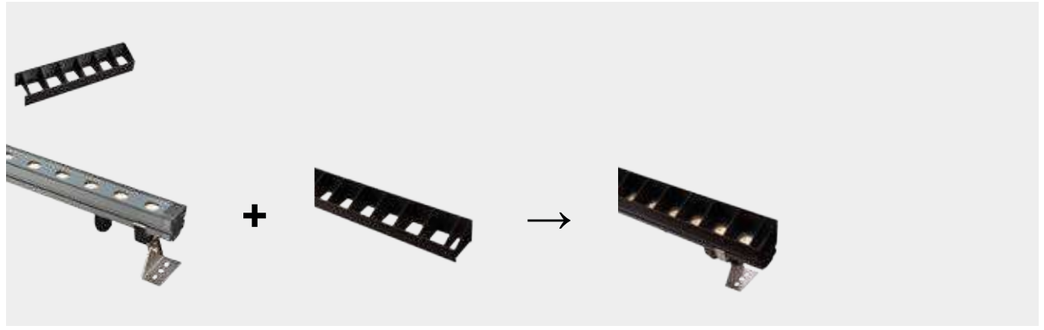
Ver.Spread:27.4 Horiz.Spread:26.3

CE RoHS compliance 2011/65/EU IP66 TRIAC PWM 1-10V DALI

Optional AccessoriesSt- Anti Glare
Bevel cut anti-glare reflector 6001

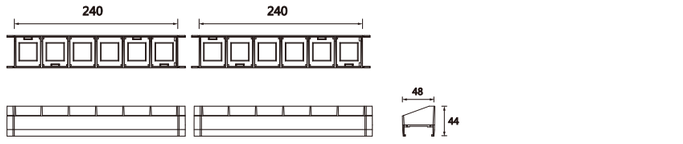


Basic Unit : 240 x 48 mm



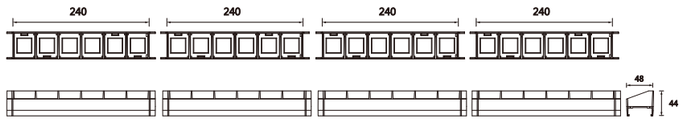


IB6R1256





IB6R2456

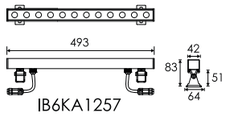


CE RoHS compliance 2011/65/EU IP66 TRIAC PWM 1-10V DALI

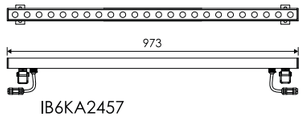
6K Series
Symmetrical 24V DC
IP-66 Slim Light Bar



OUTER DIMENSIONS & ACCESSORIES



IB6KA1257

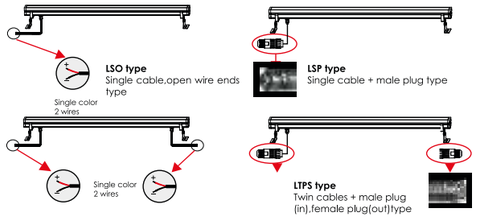


IB6KA2457

Unit:mm



Low voltage input (24VDC) power cord model



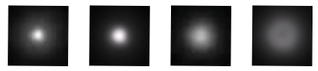
LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS



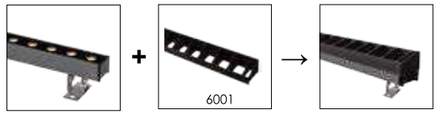
B17
L0115D020ME 15°
L0120D020ME 20°
L0130D020ME 30°
L0150F020ME 50°



MATERIAL SPECIFICATIONS

Housing	Extruded aluminum anodized finshing or powder painting
Lens	Optical lens efficiency≥85%
Light window	Tempered glass.T=4mm
Cable gland	IP68 PG-9 PA66
Gasket	Glass and housing are silicone sealed
LED	Single color ORSAM LED
Operating temperature	-20°C~40°C
Bracket	Hard chromeplated stainless steel SUS 304#
Power Cable	H05RN-F 2X1.0mm² L=0.25m (low voltage)
Dimmable Support	Triac PWM 1-10V Dali

Optional Honeycomb Louver



TECHNICAL DATA

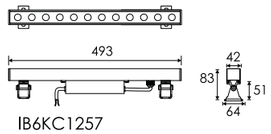
Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
IB6KA1257	12×1.5W	B17	20°	24V DC	1000	24	Cool white=1485 Warm white=1263	06
IB6KA2457	24×1.5W	B17	30°	24V DC	1985	47	Cool white=2900 Warm white=2470	06

CE RoHS compliance 2011/65/EU IP66 TRIAC PWM 1-10V DALI

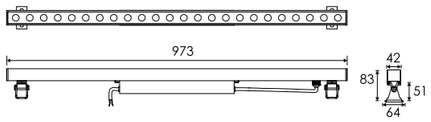
Symmetrical 120/240V
IP-66 Slim Light Bar



OUTER DIMENSIONS & ACCESSORIES



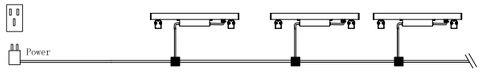
IB6KC1257



IB6KC2457

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





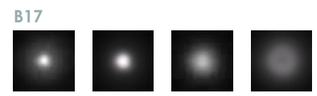
LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS



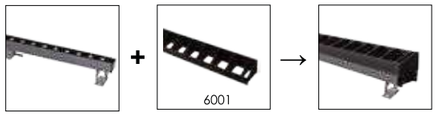
B17
L0115D020ME 15°
L0120D020ME 20°
L0130D020ME 30°
L0150F020ME 50°



MATERIAL SPECIFICATIONS

Housing	Extruded aluminum anodized finshing or powder painting
Lens	Optical lens efficiency≥85%
Light window	Tempered glass.T=4mm
Cable gland	IP68 PG-9 PA66
Gasket	Glass and housing are silicone sealed
LED	Single color ORSAM LED
Operating temperature	-20°C~40°C
Bracket	Hard chromeplated stainless steel SUS 304#
Power Cable	H05RN-F 2X1.0mm² L=0.5m (low voltage)

Optional Honeycomb Louver



TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
IB6KC1257	12×1.5W	B17	20°	120/240V	120V = 203 240V = 109	120V = 24.4 240V = 25.2	Cool white=1637 Warm white=1392	05
IB6KC2457	24×1.5W	B17	20°	120/240V	120V = 414 240V = 212	120V = 48.0 240V = 48.3	Cool white=3270 Warm white=2780	05

CE RoHS compliance 2011/65/EU IP66 TRIAC PWM 1-10V DALI



Wall Mounting Landscape Light



OPTICS


R8


15°
R0115C050XL


24°
R0124C050XL


38°
R0138C050XL


60°
R0160C050XL

HOUSING COLOR OPTIONS


Sanded Brown
RAL 8019


Sanded Black
RAL 9005

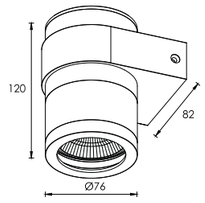

Sanded White
RAL 9003

LED COLOUR TEMPERATURE

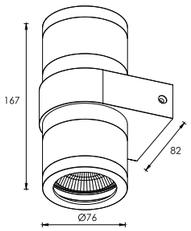
3000K• 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



IR7BA0128



IR7BB0227

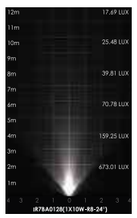
MATERIAL SPECIFICATIONS

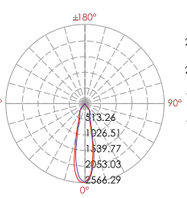
HOUSING	12# Die-casting dark grey powder coated aluminum T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
REFLECTOR	Optical Reflector, efficiency≥85%
LIGHT WINDOW	PMMA T=6mm
LED DRIVER	Constant Voltage Input,Constant Current Output
LED	NICHIA
POWER CABLE	H05RN-F 2X1.0mm2 L=0.3m(low voltage) H05RN-F 3X1.0mm2 L=0.3m(High voltage)
OPERATING TEMPERATURE	-20°C~40°C

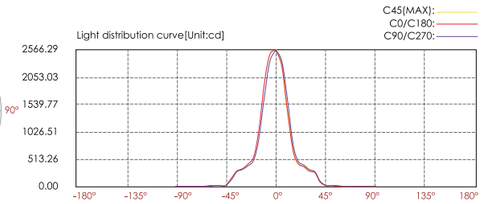
TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
IR7BA0128	1×10W COB	R8	24°	24V DC 120/240	24V = 480 120V = 107 240V = 60	24V = 11.5 120V = 12.6 240V = 12.6	Cool White = 1018 Warm White = 956
IR7BB0227	2×8W COB	R8	24°	24V DC 120/240	24V = 822 120V = 182 240V = 103	24V = 19.7 120V = 21 240V = 21	Cool White = 1018x2 Warm White = 956x2

PHOTOMETRIC CURVES





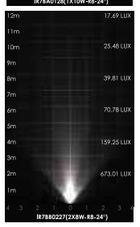


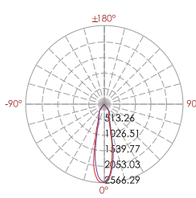
Lux distance cure

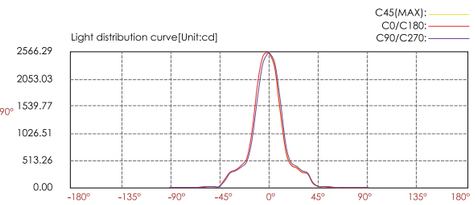
Illuminance at a distance

Center beam LUX		Beam width V	H
2m	637.01 LUX	0.9m	0.9m
4m	159.25 LUX	1.8m	1.8m
6m	70.78 LUX	2.7m	2.7m
8m	39.81 LUX	3.6m	3.6m
10m	25.48 LUX	4.5m	4.5m
12m	17.69 LUX	5.3m	5.4m

Ver.Spread:25.1 Horiz.Spread:25.2







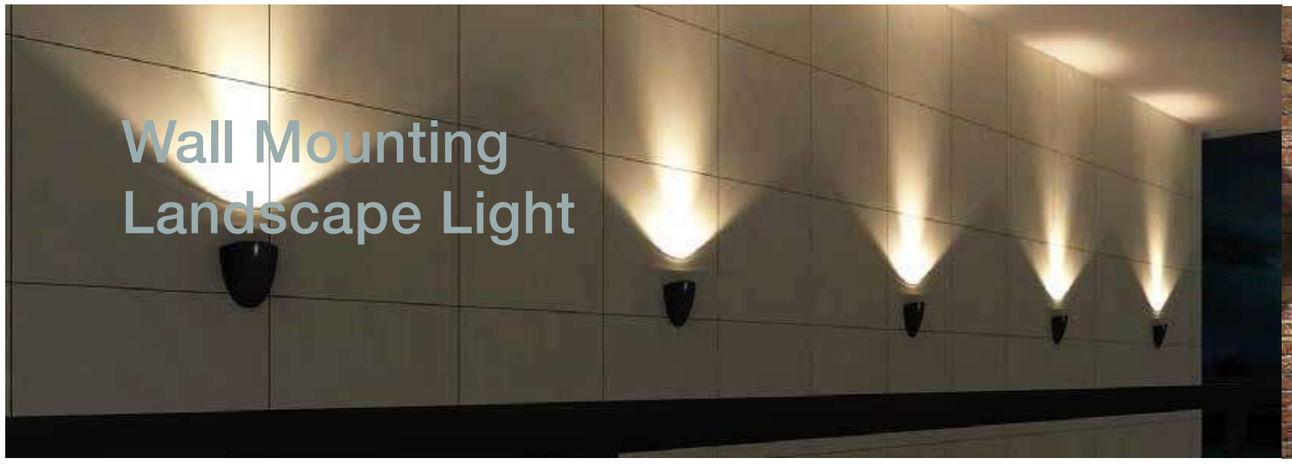
Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	637.01 LUX	0.9m	0.9m
4m	159.25 LUX	1.8m	1.8m
6m	70.78 LUX	2.7m	2.7m
8m	39.81 LUX	3.6m	3.6m
10m	25.48 LUX	4.5m	4.5m
12m	17.69 LUX	5.3m	5.4m

Ver.Spread:25.1 Horiz.Spread:25.2

CE RoHS compliance 2011/65/EU IP65



Wall Mounting Landscape Light



Wall Mounting Landscape Light



LED COLOUR TEMPERATURE

3000K · 6000K

HOUSING COLOR OPTIONS



Sanded Brown RAL 8019 | Sanded Black RAL 9005 | Sanded White RAL 9003

OPTICS



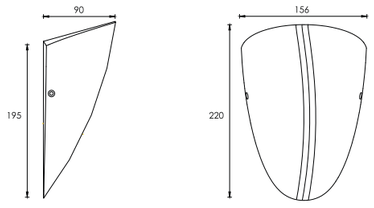
R3



25°
R0115C061HM

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



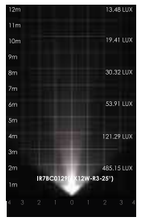
MATERIAL SPECIFICATIONS

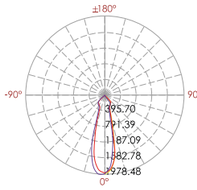
HOUSING	12# Die-casting dark grey powder coated aluminum T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	12# Die-casting aluminum
LIGHT WINDOW	Tempered glass.T=3.5mm
LED	NICHIA
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20˚C~40˚C
POWER CABLE	H05RN-F 2X1.0mm2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

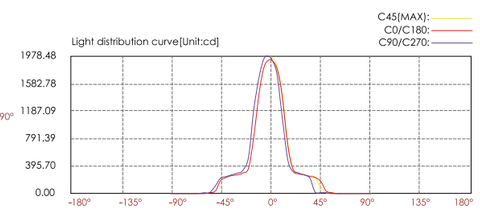
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IR7BC0129	1×12W COB	R3	25°	24V DC 120/240	24V = 576 120V = 112 240V = 64	24V = 13.8 120V = 14 240V = 14.1	Cool White = 834 Warm White = 809	05

PHOTOMETRIC CURVES







Lux distance cure

Center beam LUX		Beam width V	Beam width H
2m	485.15 LUX	1.0m	1.0m
4m	121.29 LUX	2.0m	1.9m
6m	53.91 LUX	3.0m	2.9m
8m	30.22 LUX	4.0m	3.8m
10m	19.41 LUX	5.0m	4.8m
12m	13.48 LUX	6.0m	5.7m

Ver.Spread:28.0 Horiz.Spread:26.9

CE RoHS compliance 2011/65/EU IP65

HOUSING COLOR OPTIONS



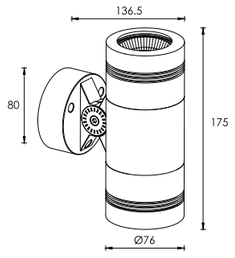
Sanded Brown RAL 8019 | Sanded Black RAL 9005 | Sanded White RAL 9003

LED COLOUR TEMPERATURE

3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm





OPTICS



R8



15°
R0115C050XL



24°
R0124C050XL



38°
R0138C050XL



60°
R0160C050XL

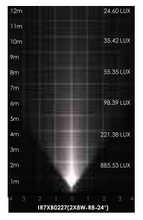
MATERIAL SPECIFICATIONS

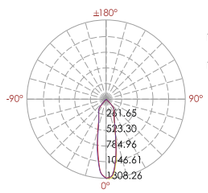
HOUSING	12# Die-casting dark grey powder coated aluminum T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
OPTICAL REFLECTOR	Optocal reflector efficiency≥85%
LIGHT WINDOW	Tempered glass.T=4mm
LED	NICHIA
OPERATING TEMPERATURE	-20˚C~40˚C
POWER CABLE	H05RN-F 2X1.0mm2 L=0.3m(low voltage) H05RN-F 3X1.0mm2 L=0.3m(High voltage)
MOUNTING BASE	casting aluminum

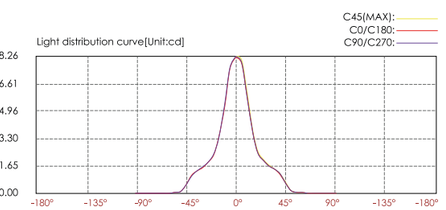
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
IR7XB0227	2×8W COB	R8	24°	24V DC 120/240	24V = 822 120V = 182	24V = 19.7 120V = 21	Cool White = 932×2 Warm White = 845×2

PHOTOMETRIC CURVES







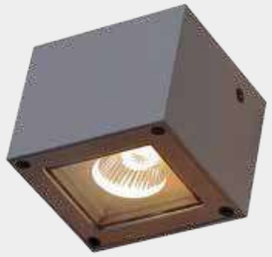
Lux distance cure

Center beam LUX		Beam width V	Beam width H
2m	324.84 LUX	1.0m	1.0m
4m	81.21 LUX	1.9m	1.9m
6m	36.09 LUX	2.9m	2.9m
8m	20.30 LUX	3.8m	3.8m
10m	12.99 LUX	4.8m	4.8m
12m	9.02 LUX	5.8m	5.7m

Ver.Spread:27.0 Horiz.Spread:26.9

CE RoHS compliance 2011/65/EU IP65

Wall Mounting Landscape Light



Single Side

OPTICS



R5



18°
R0118C044XL



25°
R0125C044XL



40°
R0140C044XL

LED COLOUR TEMPERATURE

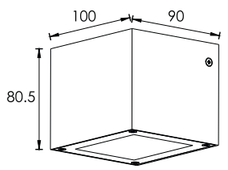
3000K · 6000K

MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	PC T=6mm
GASKET	Tooling shaped seal
DRIVER	Main voltage 100V-240V driver inside builded
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H05RN-F 2×1.0mm2 L=0.3m(low voltage) H05RN-F 3×1.0mm2 L=0.3m(high voltage)

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



HOUSING COLOR OPTIONS



Sanded Brown
RAL 8019



Sanded Black
RAL 9005

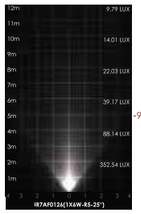


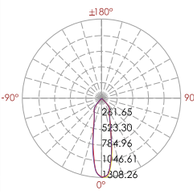
Sanded White
RAL 9003

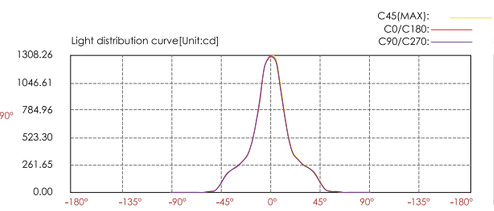
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IR7AF0126	1×6W COB	R5	25°	24V DC 120/240	24V = 270 120V = 65 240V = 37	24V = 6.5 120V = 7.7 240V = 7.8	Cool White = 745 Warm White = 651	06

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	324.84 LUX	1.0m	1.0m
4m	81.21 LUX	1.9m	1.9m
6m	36.09 LUX	2.9m	2.9m
8m	20.30 LUX	3.8m	3.8m
10m	12.99 LUX	4.8m	4.8m
12m	9.02 LUX	5.8m	5.7m

Ver.Spread:27.0 Horiz.Spread:26.9

CE RoHS compliance 2011/65/EU IP65

Wall Mounting Landscape Light



Double side

OPTICS

N/A

LED COLOUR TEMPERATURE

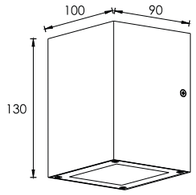
2000K · 3000K · 6000K

MATERIAL SPECIFICATIONS

HOUSING	12# Die-casting dark grey powder coated aluminum T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	PC T=6mm
GASKET	Tooling shaped seal
DRIVER	Main voltage 100V-240V driver inside builded
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H05RN-F 2×1.0mm2 L=0.3m(low voltage) H05RN-F 3×1.0mm2 L=0.3m(high voltage)

OUTER DIMENSIONS & ACCESSORIES

Unit:mm





HOUSING COLOR OPTIONS



Sanded Brown
RAL 8019



Sanded Black
RAL 9005

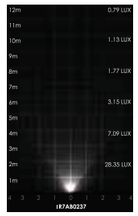


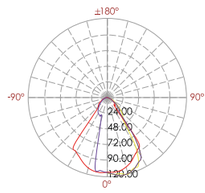
Sanded White
RAL 9003

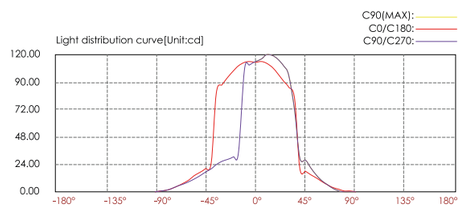
TECHNICAL DATA

ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
ID7AB0237	2×3W NICHIA	24V DC 120/240	24V = 268 120V = 73 240V = 42	24V = 6.2 120V = 8.5 240V = 8.6	2×155	06

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	28.35 LUX	1.8m	3.0m
4m	7.09 LUX	3.7m	6.0m
6m	3.15 LUX	5.5m	9.0m
8m	1.77 LUX	7.4m	12.0m
10m	1.13 LUX	9.2m	15.0m
12m	0.79 LUX	11.1m	18.0m

Ver.Spread:49.5 Horiz.Spread:73.8

CE RoHS compliance 2011/65/EU IP65

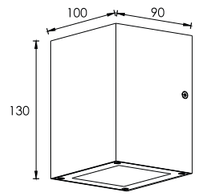
Wall Mounting Landscape Light



LED COLOUR TEMPERATURE

3000K • 6000K

OUTER DIMENSIONS & ACCESSORIES Unit:mm



HOUSING COLOR OPTIONS



Sanded Brown RAL 8019 | Sanded Black RAL 9005 | Sanded White RAL 9003

OPTICS



R5 | 18° R0118C044XL | 25° R0125C044XL | 40° R0140C044XL

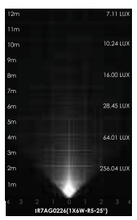
MATERIAL SPECIFICATIONS

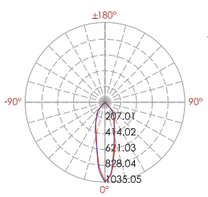
HOUSING	12# Die-casting dark grey powder coated aluminum T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	PC T=6mm
GASKET	Tooling shaped seal
DRIVER	Main voltage 100V-240V driver inside builded
OPERATING TEMPERATURE	-20°C~40°C
MOUNTING BASE	H05RN-F 2×1.0mm2 L=0.3m(low voltage) H05RN-F 3×1.0mm2 L=0.3m(high voltage)

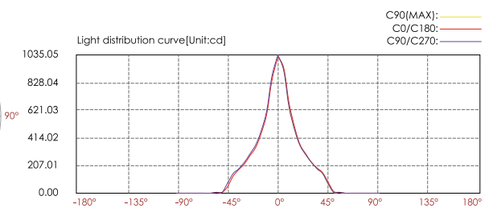
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IR7AG0226	2×6W COB	R5	25°	24V DC 120/240	24V = 540 120V = 130 240V = 74	24V = 13 120V = 15.4 240V = 15.6	Cool White = 2x745 Warm White = 2x651	06

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	256.04 LUX	0.9m	0.9m
4m	64.01 LUX	1.9m	1.9m
6m	28.45 LUX	2.8m	2.8m
8m	16.00 LUX	3.8m	3.8m
10m	10.24 LUX	4.7m	4.7m
12m	7.11 LUX	5.7m	5.6m

Ver.Spread:26.5 Horiz.Spread:26.4

CE RoHS compliance 2011/65/EU IP65

Wall Mounting Landscape Light

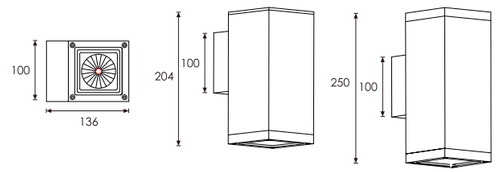


Single Side | Double side

LED COLOUR TEMPERATURE

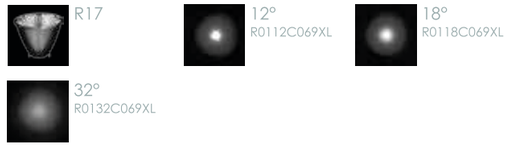
3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES Unit:mm



IR7VB0170 IR7VC0229

OPTICS



R17 | 12° R0112C069XL | 18° R0118C069XL | 32° R0132C069XL

HOUSING COLOR OPTIONS



Dark Grey RAL 7037 | Sanded White RAL 9003 | Sanded Black RAL9005

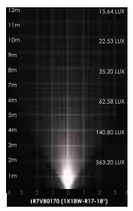
MATERIAL SPECIFICATIONS

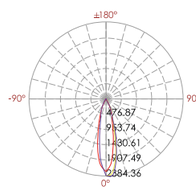
HOUSING	12# Die-casting dark grey powder coated aluminum. T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Glass T=3mm
GASKET	Tooling shaped seal
LED DRIVER	Main voltage 100V-240V driver inside builded
LED	NICHIA
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	H05RN-F 2×1.0mm2 L=0.3m(low voltage) H05RN-F 3×1.0mm2 L=0.3m(high voltage)

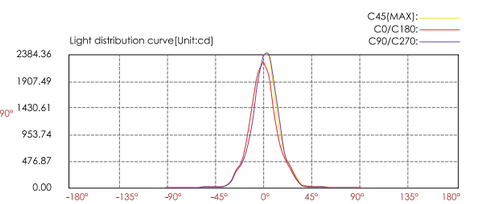
TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IR7VB0170	1×18W COB	R17	18°	24V DC 120/240	24V = 833 120V = 178 240V = 96	24V = 20 120V = 20 240V = 21	Cool White = 1766 Warm White = 1705	06
IR7VC0229	2×12W COB	R17	18°	24V DC 120/240	24V = 1080 120V = 211 240V = 116	24V = 26 120V = 26.5 240V = 26	Cool White = 1303x2 Warm White = 1251x2	06

PHOTOMETRIC CURVES



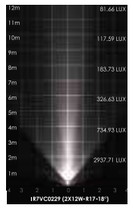


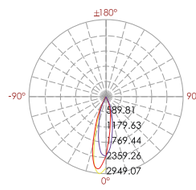


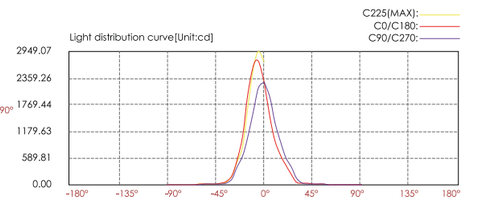
Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	563.20 LUX	0.9m	0.9m
4m	140.80 LUX	1.8m	1.7m
6m	62.58 LUX	2.6m	2.6m
8m	35.20 LUX	3.5m	3.5m
10m	22.53 LUX	4.4m	4.4m
12m	15.64 LUX	5.3m	5.2m

Ver.Spread:24.8 Horiz.Spread:24.7







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	569.52 LUX	0.8m	0.8m
4m	142.38 LUX	1.7m	1.6m
6m	63.28 LUX	2.5m	2.4m
8m	35.60 LUX	3.4m	3.2m
10m	22.78 LUX	4.2m	4.1m
12m	15.82 LUX	5.1m	4.9m

Ver.Spread:24.0 Horiz.Spread:23.0

CE RoHS compliance 2011/65/EU IP65

Single Side
Wall Mounting Landscape Lamp

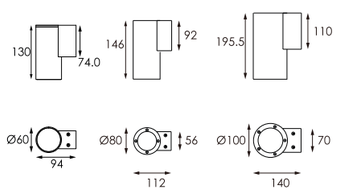


LED COLOUR TEMPERATURE

3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



MATERIAL SPECIFICATIONS

HOUSING MATERIAL	Extruded aluminum alloy #6063 Powder coating ,T= 60~80 um./Adhesion of ISO
PAINTING	class 1/ASTM class 4B
REFLECTOR	Optical reflector. effciency≥85%
LED	NICHIA
OPERATING TEMPERATURE	-20°C~ 40°C
POWER CABLE	H05RN-F 2X1.0mm^2 L=0.3m(low voltage) H05RN-F 3X1.0mm^2 L=0.3m(High voltage)
WEIGHT	R7AH0128=1.0kg R7BH0170=1.9kg R7CH0173=2.5kg

HOUSING COLOR OPTIONS



RAL9005 RAL9003 RAL7037

CE RoHS compliance 2011/65/EU IP65

Single Side
Wall Mounting Landscape Lamp



IR7AH0128 IR7BH0170 IR7CH0173

OPTICS

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

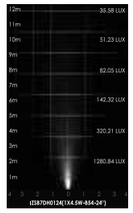
TECHNICAL DATA

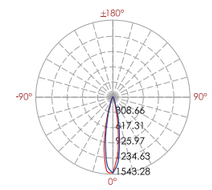
ITEM	LIGHT SOURCE	REFLECTOR LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IZSB7DH0124	1×4.5W COB	B54	24°	24V DC 240	24V = 233 240V = 43	120V = 5.6 240V = 6	Warm White = 254	05
IR7AH0128	1×10W COB	R8	24°	24V DC 120/240	24V = 480 120V = 112 240V = 63	24V = 11.5 120V = 13.1 240V = 13.5	Cool White = 1335 Warm White = 1170	10
IR7BH0170	1×18W COB	R18	22°	24V DC 120/240	24V = 833 120V = 178 240V = 96	24V = 20 120V = 20 240V = 21.4	Cool White = 1684 Warm White = 1432	10
IR7CH0173	1×25W COB	R19	22°	24V DC 120/240	24V = 1080 120V = 270 240V = 146	24V = 26 120V = 30 240V = 31	Cool White = 2615 Warm White = 2412	10
IR7EH0176	1×40W COB	R16	25°	120/240	120V = 372 240V = 187	120V = 44.8 240V = 44.5	Cool White = 4112 Warm White = 3808	06

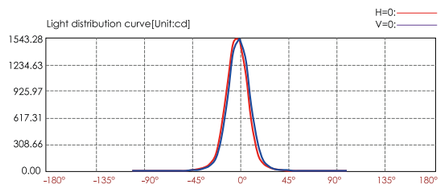
CE RoHS compliance 2011/65/EU IP65

Single Side
Wall Mounting Landscape Lamp

PHOTOMETRIC CURVES





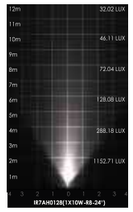


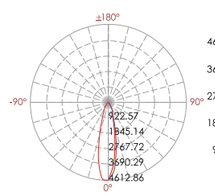
Lux distance cure

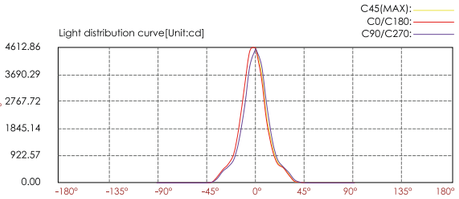
Illuminance at a Distance

	Center Beam LUX	Beam Width V	Beam Width H
2m	380.14 LUX	0.7m	0.7m
4m	95.03 LUX	1.5m	1.5m
6m	42.24 LUX	2.2m	2.2m
8m	23.76 LUX	2.9m	2.9m
10m	15.21 LUX	3.7m	3.7m
12m	10.56 LUX	4.4m	4.4m

Vert.Spread:20.8 Horiz.Spread:20.9





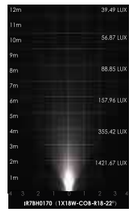


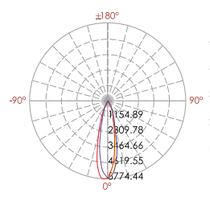
Lux distance cure

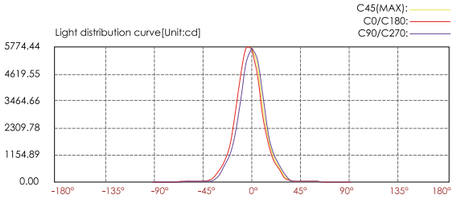
Illuminance at a distance

	Center beam LUX	Beam width V	Beam width H
2m	1152.71 LUX	0.8m	0.8m
4m	288.18 LUX	1.6m	1.6m
6m	128.08 LUX	2.4m	2.4m
8m	72.04 LUX	3.2m	3.3m
10m	46.11 LUX	4.0m	4.1m
12m	32.02 LUX	4.9m	4.9m

Ver.Spread:22.9 Horiz.Spread:23.0





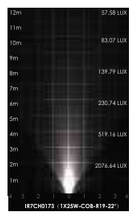


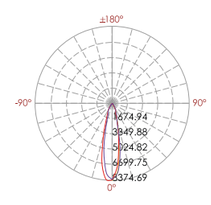
Lux distance cure

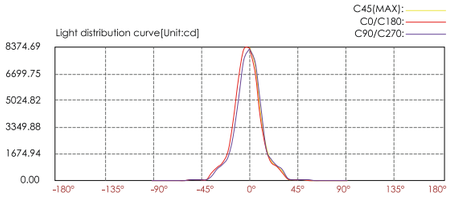
Illuminance at a distance

	Center beam LUX	Beam width V	Beam width H
2m	1421.67 LUX	0.9m	0.9m
4m	355.42 LUX	1.8m	1.8m
6m	157.96 LUX	2.6m	2.7m
8m	88.85 LUX	3.5m	3.5m
10m	56.87 LUX	4.4m	4.4m
12m	39.49 LUX	5.3m	5.3m

Ver.Spread:24.8 Horiz.Spread:24.9





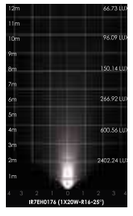


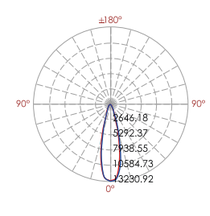
Lux distance cure

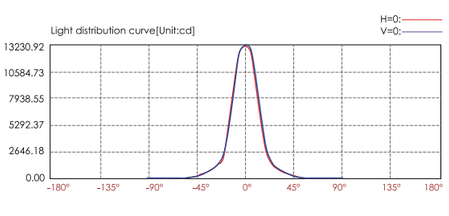
Illuminance at a distance

	Center beam LUX	Beam width V	Beam width H
2m	2076.64 LUX	0.9m	0.8m
4m	519.16 LUX	1.7m	1.7m
6m	230.74 LUX	2.6m	2.5m
8m	129.79 LUX	3.4m	3.4m
10m	83.07 LUX	4.3m	4.2m
12m	57.68 LUX	5.1m	5.1m

Ver.Spread:24.2 Horiz.Spread:23.8







Lux distance cure

Illuminance at a Distance

	Center Beam LUX	Beam Width V	Beam Width H
2m	3274.96 LUX	0.9m	0.9m
4m	818.74 LUX	1.9m	1.9m
6m	363.88 LUX	2.8m	2.8m
8m	204.68 LUX	3.8m	3.8m
10m	131.00 LUX	4.7m	4.7m
12m	90.97 LUX	5.6m	5.7m

Vert.Spread:26.4 Horiz.Spread:26.7

Double side
Wall Mounting Landscape Lamp

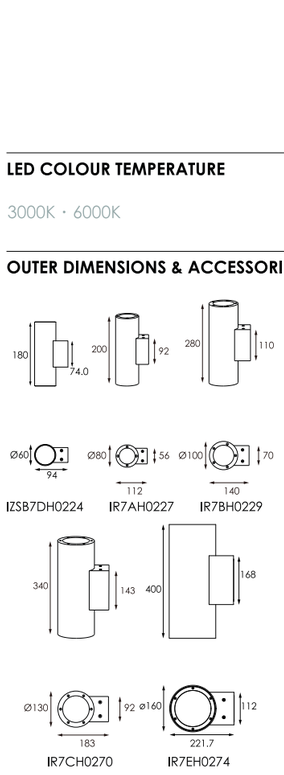


LED COLOUR TEMPERATURE

3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



MATERIAL SPECIFICATIONS

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

HOUSING COLOR OPTIONS



Jet Black

RAL9005



White Aluminium

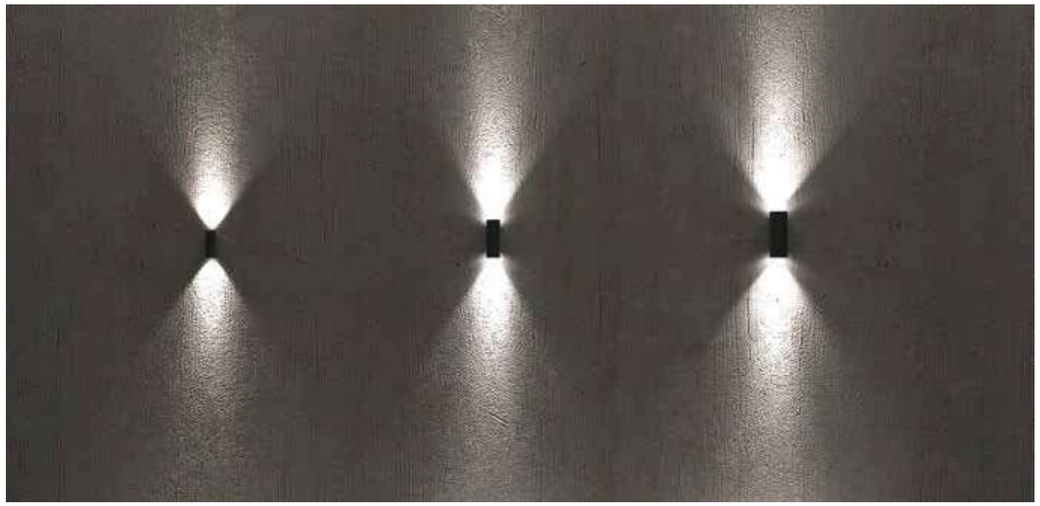
RAL9003



Gray

RAL7037

Double side
Wall Mounting Landscape Lamp



IR7AH0227 IR7BH0229 IR7CH0270

OPTICS

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

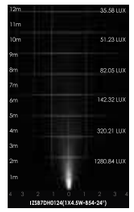
TECHNICAL DATA

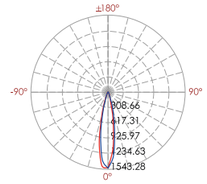
ITEM	LIGHT SOURCE	REFLECTOR	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IZSB7DH0224	2×4.5W COB		B54	24°	24V DC 240	24V = 479 240V = 81	24V = 11.5 240V = 12	Warm White = 254x2	05
IR7AH0227	2×8W COB	R8		24°	24V DC 120/240	24V = 832 120V = 163 240V = 91	24V = 20 120V = 20 240V = 20.8	Cool White = 1053x2 Warm White = 986x2	10
IR7BH0229	2×12W COB	R18		22°	24V DC 120/240	24V = 1080 120V = 210 240V = 116	24V = 26 120V = 25.5 240V = 25	Cool White = 1289x2 Warm White = 1079x2	10
IR7CH0270	2×18W COB	R19		22°	24V DC 120/240	24V = 1660 120V = 340 240V = 182	24V = 40 120V = 40.5 240V = 42	Cool White = 1795x2 Warm White = 1617x2	10
IR7EH0274	2×30W COB	R16		25°	120/240	120V = 540 240V = 292	120V = 60 240V = 62	Cool White = 3400x2 Warm White = 3177x2	06

CE RoHS compliance 2011/65/EU IP65

Double side
Wall Mounting Landscape Lamp

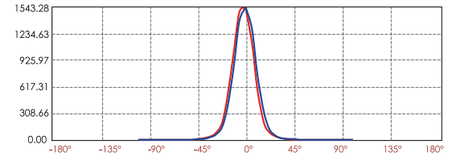
PHOTOMETRIC CURVES



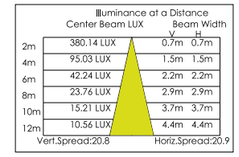


Light distribution curve[Unit:cd]

H=0:
V=0:



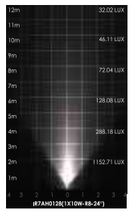
Lux distance cure

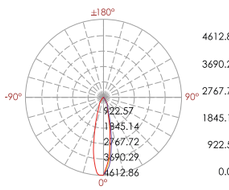


Illuminance at a Distance

	Center Beam LUX	Beam Width V	Beam Width H
2m	380.14 LUX	0.7m	0.7m
4m	95.03 LUX	1.5m	1.5m
6m	42.24 LUX	2.2m	2.2m
8m	23.76 LUX	2.9m	2.9m
10m	15.21 LUX	3.7m	3.7m
12m	10.56 LUX	4.4m	4.4m

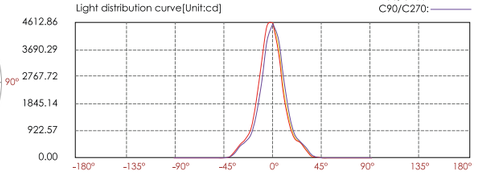
Vert.Spread:20.8 Horiz.Spread:20.9



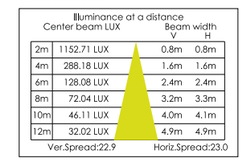


C45(MAX):
C0/C180:
C90/C270:

Light distribution curve[Unit:cd]



Lux distance cure

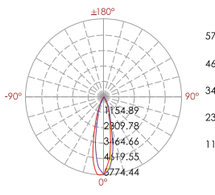


Illuminance at a distance

	Center beam LUX	Beam width V	Beam width H
2m	1152.71 LUX	0.8m	0.8m
4m	288.18 LUX	1.6m	1.6m
6m	128.08 LUX	2.4m	2.4m
8m	72.04 LUX	3.2m	3.3m
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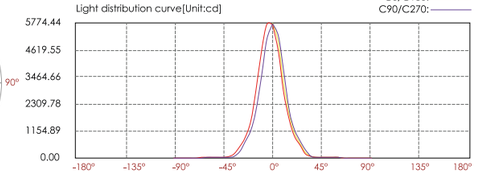
Ver.Spread:22.9 Horiz.Spread:23.0



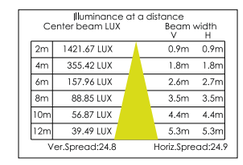


C45(MAX):
C0/C180:
C90/C270:

Light distribution curve[Unit:cd]



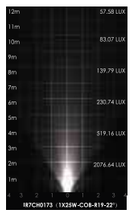
Lux distance cure

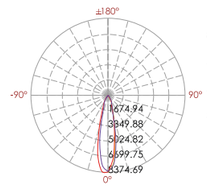


Illuminance at a distance

	Center beam LUX	Beam width V	Beam width H
2m	1421.67 LUX	0.9m	0.9m
4m	355.42 LUX	1.8m	1.8m
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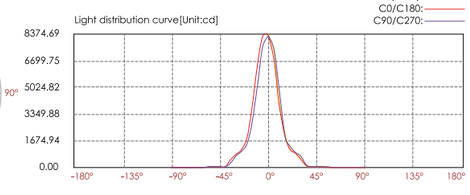
Ver.Spread:24.8 Horiz.Spread:24.9



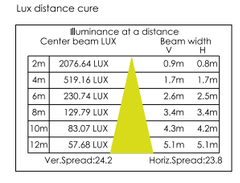


C45(MAX):
C0/C180:
C90/C270:

Light distribution curve[Unit:cd]



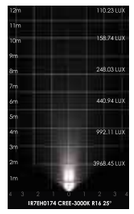
Lux distance cure

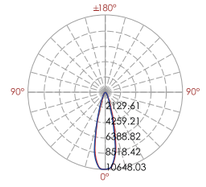


Illuminance at a distance

	Center Beam LUX	Beam Width V	Beam Width H
2m	2076.64 LUX	0.9m	0.8m
4m	519.16 LUX	1.7m	1.7m
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8m	129.79 LUX	3.4m	3.4m
10m	83.07 LUX	4.3m	4.2m
12m	57.68 LUX	5.1m	5.1m

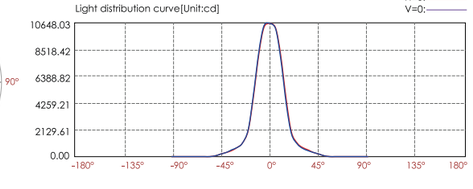
Ver.Spread:24.2 Horiz.Spread:23.8



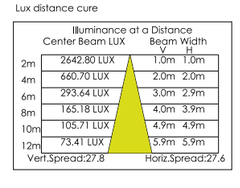


H=0:
V=0:

Light distribution curve[Unit:cd]



Lux distance cure

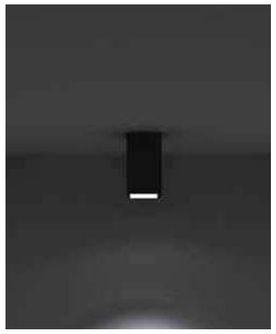


Illuminance at a Distance

	Center Beam LUX	Beam Width V	Beam Width H
2m	2642.80 LUX	1.0m	1.0m
4m	660.70 LUX	2.0m	2.0m
6m	293.64 LUX	3.0m	2.9m
8m	165.18 LUX	4.0m	3.9m
10m	105.71 LUX	4.9m	4.9m
12m	73.41 LUX	5.9m	5.9m

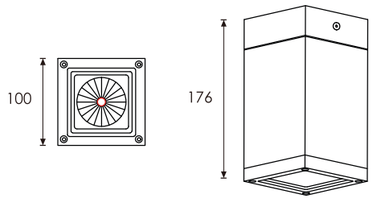
Vert.Spread:27.8 Horiz.Spread:27.6

Wall Mounting
Ceiling Down Light



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



HOUSING COLOR OPTIONS



Sanded Black RAL9005 | Sanded White RAL 9003 | Dark Grey RAL 7037

LED COLOUR TEMPERATURE

3000K ・6000K

OPTICS



R17



12° R0112C069XL



18° R0118C069XL



32° R0132C069XL

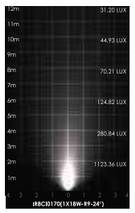
MATERIAL SPECIFICATIONS

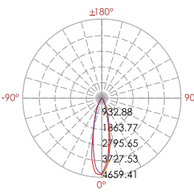
HOUSING MATERIAL	Extruded aluminum alloy #6063
PAINTING	Powder coating ,T= 60~80 um./Adhesion of ISO class 1/ASTM class 4B
REFLECTOR	Optical reflector. effciency≥85%
LED	NICHIA
POWER CABLE	H05RN-F 2X1.0mm2 L=0.3m(low voltage) H05RN-F 3X1.0mm2 L=0.3m(High voltage)
OPERATING TEMPERATURE	-20˚C~40˚C

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IR8VA0170	1×18W COB	R17	18°	24V DC 120/240	24V = 833 120V = 178 240V = 96	24V = 20 120V = 20 240V = 21	Cool White = 1766 Warm White = 1705	06

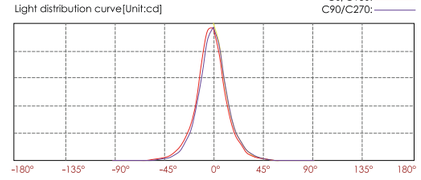
PHOTOMETRIC CURVES





Light distribution curve[Unit:cd]

C45(MAX):
C0/C180:
C90/C270:



Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	1123.36 LUX	0.9m	0.9m
4m	280.84 LUX	1.8m	1.7m
6m	124.82 LUX	2.7m	2.6m
8m	70.21 LUX	3.5m	3.5m
10m	44.93 LUX	4.4m	4.4m
12m	31.20 LUX	5.3m	5.2m

Ver.Spread:25.0 Horiz.Spread:24.6

CE RoHS compliance 2011/65/EU IP65

Wall Mounting
Ceiling Down Light



Beam Effect Demo

LED COLOUR TEMPERATURE

3000K ・6000K

HOUSING COLOR OPTIONS



Dark Grey RAL 7037



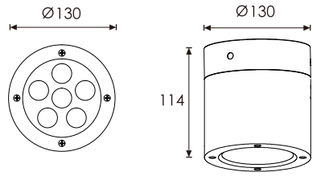
Sanded White RAL 9003



Sanded Black RAL9005

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



MATERIAL SPECIFICATIONS

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

OPTICS



B33 (B33D/B33F)



9° L0109F023YH



15° L0115D023YH



20° L0120D023YH



30° L0130D023YH



45° L0145D023YH

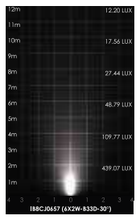


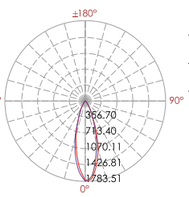
60° L0160D023MD

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB8CJ0657	6×2W	B33D	30°	24V DC 120/240	24V = 562 120V = 100 240V = 56	24V = 13.5 120V = 12 240V = 12.2	Cool White = 830 Warm White = 681	06

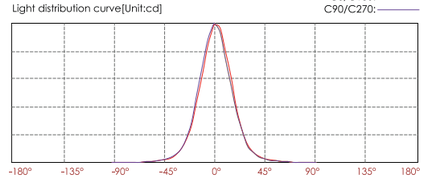
PHOTOMETRIC CURVES





Light distribution curve[Unit:cd]

C90(MAX):
C0/C180:
C90/C270:



Lux distance cure

Illuminance at a distance

Center beam LUX		Beam width V	H
2m	439.07 LUX	1.1m	1.1m
4m	109.77 LUX	2.2m	2.2m
6m	48.79 LUX	3.3m	3.3m
8m	27.44 LUX	4.4m	4.4m
10m	17.56 LUX	5.5m	5.5m
12m	12.20 LUX	6.6m	6.6m

Ver.Spread:30.8 Horiz.Spread:30.8

CE RoHS compliance 2011/65/EU IP65

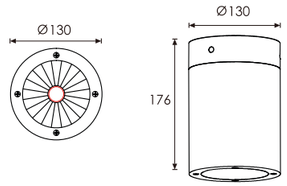
Wall Mounting
Ceiling Down Light



Beam Effect Demo

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



LED COLOUR TEMPERATURE

3000K ・ 6000K

HOUSING COLOR OPTIONS



Dark Grey
RAL 7037

Sanded White
RAL 9003

Sanded Black
RAL9005

OPTICS



R20



15°
R0115C075XL



30°
R0130C075XL



40°
R0140C075XL

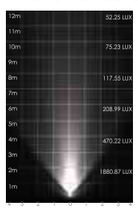
MATERIAL SPECIFICATIONS

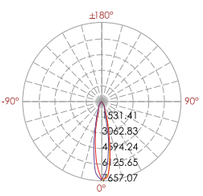
HOUSING MATERIAL	Extruded aluminum alloy #6063
PAINTING	Powder coating ,T= 60~80 um./Adhesion of ISO class 1/ASTM class 4B
REFLECTOR	Optical reflector. effciency≥85%
LIGHT SOURCE	NICHIA
POWER CABLE	H05RN-F 2X1.0mm2 L=0.3m(low voltage) H05RN-F 3X1.0mm2 L=0.3m(High voltage)
OPERATING TEMPERATURE	-20˚C~40˚C

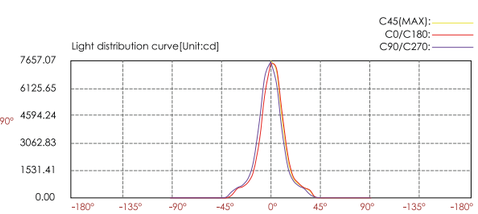
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IR8CI0170	1×18W	R20	30°	24V DC 120/240	24V = 840 120V = 172 240V = 91	24V = 20.4 120V = 20.6 240V = 20.9	Cool White = 2400 Warm White = 2105	06

PHOTOMETRIC CURVES







Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	1880.87 LUX	0.8m	0.7m
4m	470.22 LUX	1.5m	1.5m
6m	208.99 LUX	2.3m	2.2m
8m	117.55 LUX	3.0m	3.0m
10m	75.23 LUX	3.8m	3.7m
12m	52.25 LUX	4.5m	4.5m

Ver.Spread:21.3 Horiz.Spread:21.1

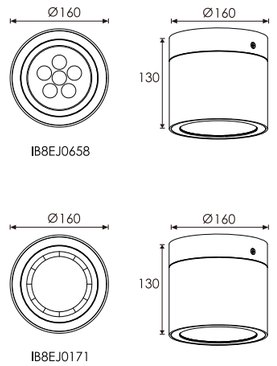
CE RoHS compliance 2011/65/EU IP65

Wall Mounting
Ceiling Down Light



OUTER DIMENSIONS & ACCESSORIES

Unit:mm



LED COLOUR TEMPERATURE

3000K ・ 6000K

HOUSING COLOR OPTIONS



Dark Grey
RAL 7037

Sanded White
RAL 9003

Sanded Black
RAL9005

MATERIAL SPECIFICATIONS

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

OPTICS



B33
(B33D/B33F)



9°(B33F)
L0109F023YH



15°
L0115D023YH



20°
L0120D023YH



30°
L0130D023YH



45°
L0145D023YH



60°
L0160D023MD



B57



12°
L0112D090HK



24°
L0124D090HK



36°
L0138D090HK

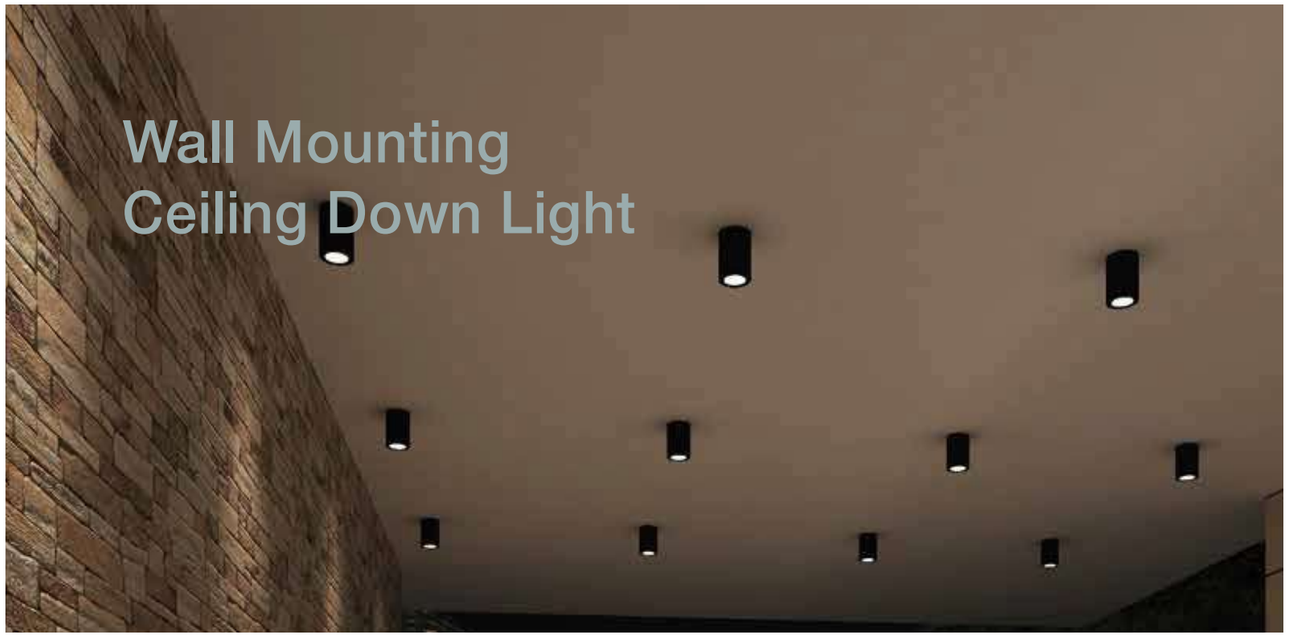


60°
L0160D090HK

TECHNICAL DATA

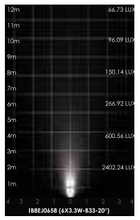
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB8EJ0658	6×3.3W	B33D	20°	120/240	120V = 196 240V = 101	120V = 23.1 240V = 23.3	Cool White = 1718 Warm White = 1591	06
IB8EJ0171	1×20W COB	B57	24°	24V DC 120/240	24V = 960 120V = 205 240V = 108	24V = 23 120V = 23.5 240V = 24.2	Cool White = 1865 Warm White = 1727	06

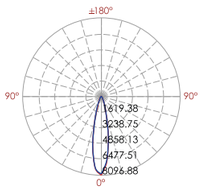
CE RoHS compliance 2011/65/EU IP65

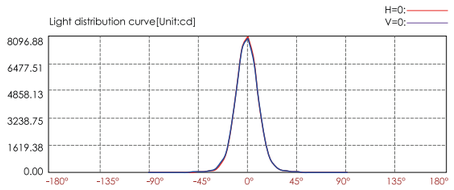


Wall Mounting
Ceiling Down Light

PHOTOMETRIC CURVES





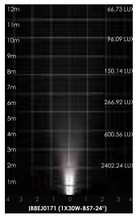


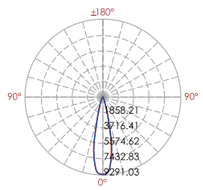
Lux distance cure

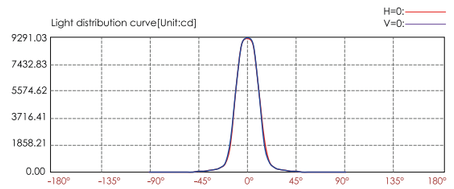
Illuminance at a Distance

	Center Beam LUX	Beam Width V	Beam Width H
2m	2023.71 LUX	0.8m	0.8m
4m	505.93 LUX	1.6m	1.6m
6m	224.86 LUX	2.4m	2.4m
8m	126.48 LUX	3.2m	3.2m
10m	80.95 LUX	4.0m	4.0m
12m	56.21 LUX	4.8m	4.9m

Vert.Spread:22.7 Horiz.Spread:22.9







Lux distance cure

Illuminance at a Distance

	Center Beam LUX	Beam Width V	Beam Width H
2m	2312.26 LUX	0.8m	0.8m
4m	578.07 LUX	1.7m	1.7m
6m	256.92 LUX	2.5m	2.5m
8m	144.52 LUX	3.3m	3.3m
10m	92.49 LUX	4.2m	4.2m
12m	64.23 LUX	5.0m	5.0m

Vert.Spread:23.6 Horiz.Spread:23.6

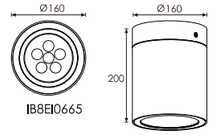
CE RoHS compliance 2011/65/EU IP65

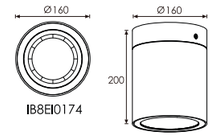
Wall Mounting
Ceiling Down Light

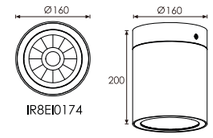


OUTER DIMENSIONS & ACCESSORIES

Unit:mm







LED COLOUR TEMPERATURE

3000K · 6000K

HOUSING COLOR OPTIONS



Dark Grey RAL 7037 | Sanded White RAL 9003 | Sanded Black RAL9005

MATERIAL SPECIFICATIONS

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

OPTICS



B33 (B33D/B33F)



9°(B33F) L0109F023YH



15° L0115D023YH



20° L0120D023YH



30° L0130D023YH



45° L0145D023YH



60° L0160D023MD



B57



12° L0112D090HK



24° L0124D090HK



36° L0136D090HK



60° L0160D090HK



R16



12° R0112C110XL



25° R0125C110XL



38° R0138C110XL

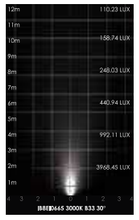
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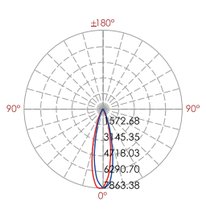
Wall Mounting
Ceiling Down Light

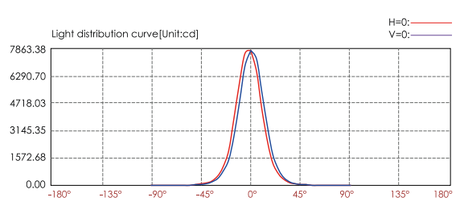
TECHNICAL DATA

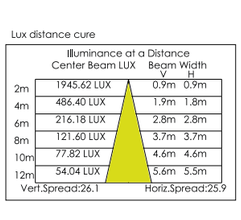
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
IB8EI0665	6×5W	B33D	30°	120/240	120V = 270 240V = 146	120V = 30 240V = 31	Cool White = 2288 Warm White = 2105	06
IB8EI0174	1×30W COB	B57	24°	120/240	120V = 270 240V = 146	120V = 30 240V = 31	Cool White = 2400 Warm White = 2212	06
IB8EI0174	1×30W COB	R16	25°	120/240	120V = 270 240V = 146	120V = 30 240V = 31	Cool White = 3400 Warm White = 3177	06

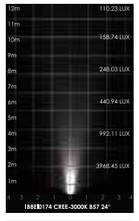
PHOTOMETRIC CURVES

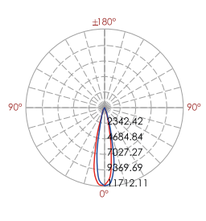


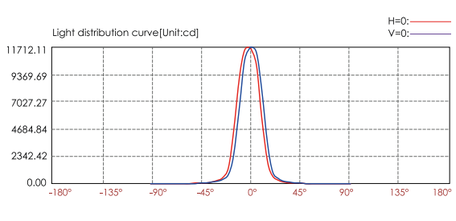


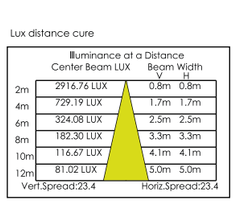


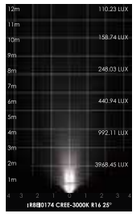


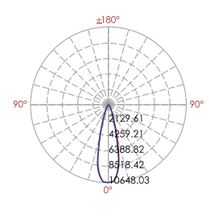


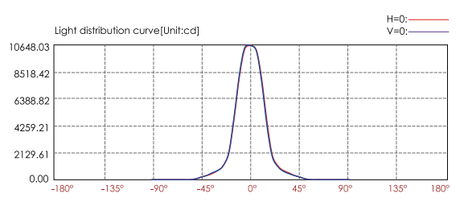


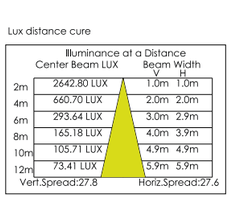












CE RoHS compliance 2011/65/EU IP65



Pole Light



LED COLOUR TEMPERATURE

3000K · 6000K

OPTICS

N/A

HOUSING COLOR OPTIONS

Basic

Sanded Black
RAL9005

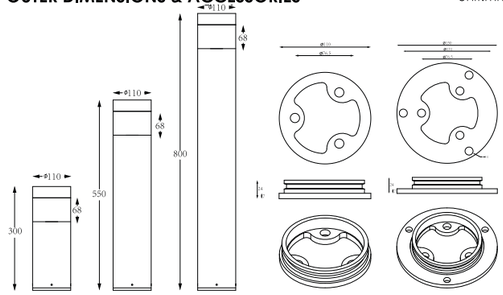
Secondary

Light Sanded Grey
RAL7038

Dark Grey
RAL7037

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



OPTIONAL BASE

Standard/Built-in Base
SB00130



2. Flange Base
FB00130





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

LED and Driver Module

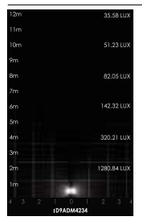
MATERIAL SPECIFICATIONS

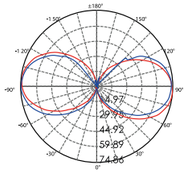
HOUSING	T=60-80um Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum
LIGHT WINDOW	PMMA
LED	SMD3030 type LED
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20˚C~40˚C
POWER CABLE	H05RN-F 3×1.0mm²L=0.3m(high voltage/short) H05RN-F 3×1.0mm²L=0.5m(high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

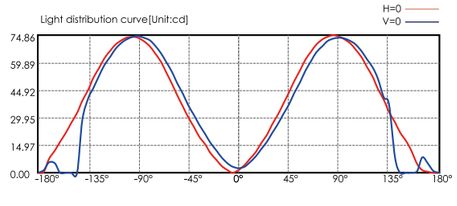
TECHNICAL DATA

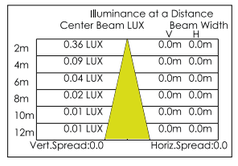
ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
ID9ADL4234 ID9ADM4234 ID9ADH4234	42 X 0.2W	120/240	120V = 76 240V = 41	120V = 8.6 240V = 9	Warm White = 586

PHOTOMETRIC CURVES









CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI

Pole Light



LED COLOUR TEMPERATURE

3000K · 6000K

OPTICS

N/A

HOUSING COLOR OPTIONS

Basic

Sanded Black
RAL9005

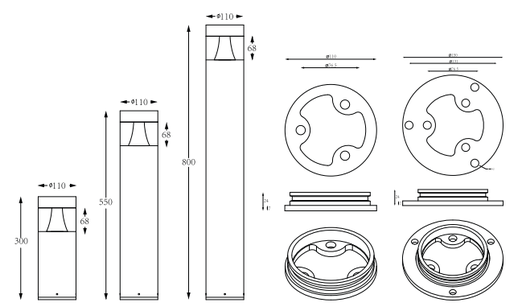
Secondary

Light Sanded Grey
RAL7038

Dark Grey
RAL7037

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



OPTIONAL BASE

Standard/Built-in Base
SB00130



2. Flange Base
FB00130





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

LED and Driver Module

MATERIAL SPECIFICATIONS

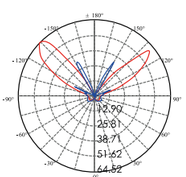
HOUSING	T=60-80um Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum
LIGHT WINDOW	PMMA
LED	SMD3030 type LED
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20˚C~40˚C
POWER CABLE	H05RN-F 3×1.0mm²L=0.3m(high voltage/short) H05RN-F 3×1.0mm²L=0.5m(high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

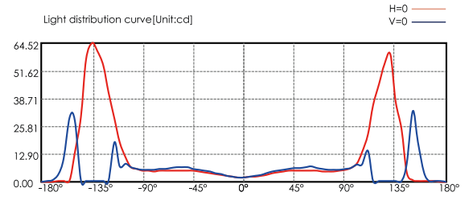
TECHNICAL DATA

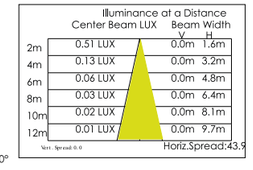
ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
ID9AHL2434 ID9AHM2434 ID9AHH2434	24 X 0.2W	120/240	120V = 70 240V = 39	120V = 4.9 240V = 5.1	Warm White = 263

PHOTOMETRIC CURVES









CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI

Pole Light



LED COLOUR TEMPERATURE

3000K · 6000K

OPTICS

N/A

HOUSING COLOR OPTIONS

Basic

Sanded Black
RAL9005

Secondary

Light Sanded Grey
RAL7038

Dark Grey
RAL7037

OPTIONAL BASE

1. Standard/Built-in Base
SB00130



2. Flange Base
FB00130

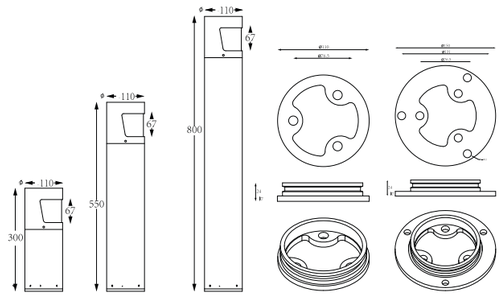


•Flange base is an optional part which you need to remove the standard base before the assembling.



LED and Driver Module

OUTER DIMENSIONS & ACCESSORIES Unit:mm



ID9AKL4234	ID9AKM4234	ID9AKH4234	Standard Base	Flange Base

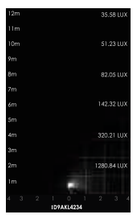
MATERIAL SPECIFICATIONS

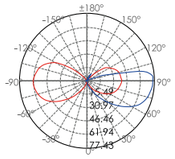
HOUSING	T=60-80um Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
LIGHT WINDOW	PMMA
LED	SMD3030 type LED
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20˚C~40˚C
POWER CABLE	H05RN-F 3×1.0mm²L=0.3m(high voltage/short) H05RN-F 3×1.0mm²L=0.5m(high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

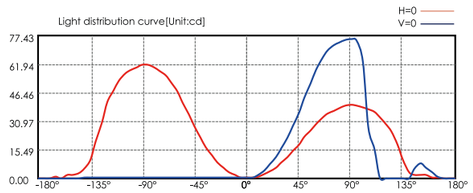
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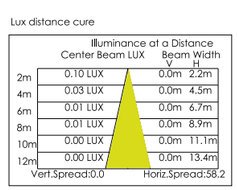
ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
ID9AKL4234 ID9AKM4234 ID9AKH4234	42X 0.2W	120/240	120V = 73 240V = 41	120V = 8.6 240V = 9	Cool White = 450 Warm White = 397

PHOTOMETRIC CURVES









CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI

Pole Light



LED COLOUR TEMPERATURE

3000K · 6000K

OPTICS

N/A

HOUSING COLOR OPTIONS

Basic

Sanded Black
RAL9005

Secondary

Light Sanded Grey
RAL7038

Dark Grey
RAL7037

OPTIONAL BASE

1. Standard/Built-in Base
SB00130



2. Flange Base
FB00130

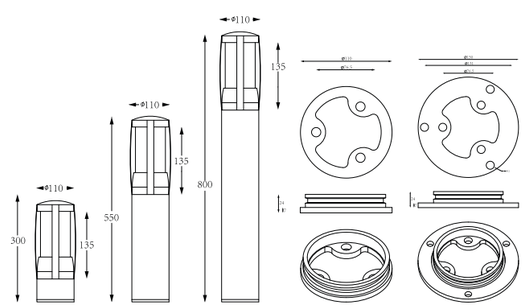


•Flange base is an optional part which you need to remove the standard base before the assembling.



LED and Driver Module

OUTER DIMENSIONS & ACCESSORIES Unit:mm



ID9ARL8434	ID9ARM8434	ID9ARH8434	Standard Base	Flange Base

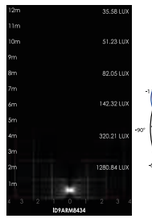
MATERIAL SPECIFICATIONS

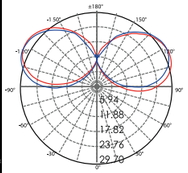
HOUSING	T=60-80um Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
LIGHT WINDOW	PMMA
LED	SMD3030 type LED
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20˚C~40˚C
POWER CABLE	H05RN-F 3×1.0mm²L=0.3m(high voltage/short) H05RN-F 3×1.0mm²L=0.5m(high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

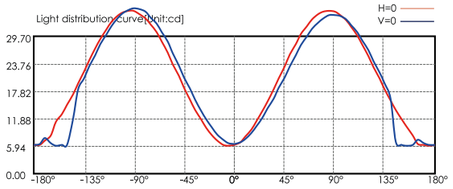
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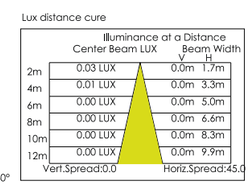
ITEM	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)
ID9ARL8434 ID9ARM8434 ID9ARH8434	84X 0.1W	120/240	120V = 79 240V = 43	120V = 9.4 240V = 9.6	Warm White = 697

PHOTOMETRIC CURVES









CE RoHS compliance 2011/65/EU IP65 TRIAC PWM 1-10V DALI



Architectural Spot Light



IR3TMM0124



IR3TNM0126



IR3TOM0128



IB3TPM0171

OPTICS



R7
R0118C035XL 18°
R0124C035XL 24°
R0132C035XL 32°



R14
R0115C044SH 15°
R0125C044SH 25°
R0140C044SH 40°
R0160C044SH 60°



R23
R0122C029BH 22°



B66
L0115D0680S 15°
L0120D0680S 20°
L0125D0680S 25°
L0138D0680S 38°

LED COLOUR TEMPERATURE

3000K · 6000K

Material specifications

Housing	12# Die-casting dark grey powder coated aluminum. T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
Light Window	Tempered glass.T=4mm
Gasket	Tooling shaped seal
LED	Nichia
LED Driver	Constant Voltage Input,Constant Current Output
Lens/Reflector	Optical lens,effciency≥85%
Power Cable	H05RN-F 2X1.0mm2 L=0.3m (low voltage) H05RN-F 3X1.0mm2 L=0.3m (high voltage)



HOUSING COLOR OPTIONS

Basic



Silver Grey
KAP 9022

Secondary

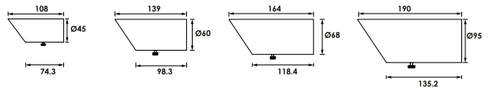


Sanded White
RAL 9003



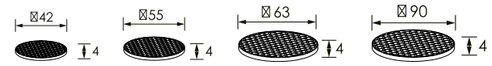
Sanded Black
RAL 9005

BEVEL CUT HOOD



CA3009 CA3010 CA3011 CA3013

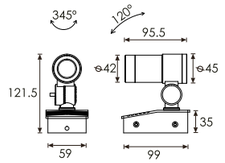
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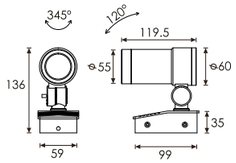
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OUTER DIMENSIONS

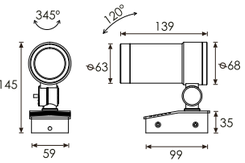
Unit:mm



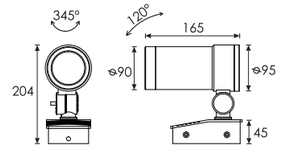
IR3TMM0124



IR3TNM0126



IR3TOM0128



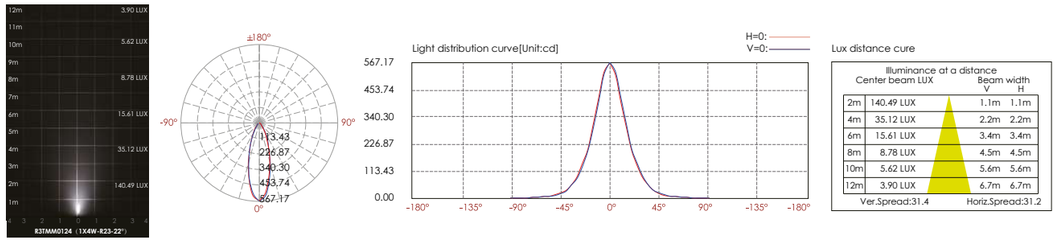
IB3TPM0171

CE RoHS compliance 2011/65/EU IP66

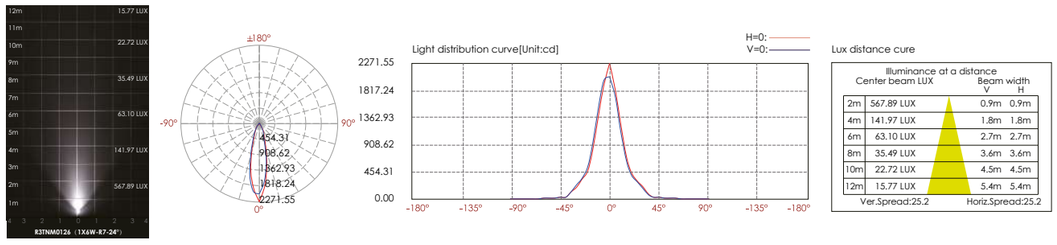
Architectural Spot Light

ITEM	LIGHT SOURCE OR LENS	THE MANUFACTURER SELECTED LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	TYPICAL OPERATING CURRENT(MA)	TYPICAL CONSUMPTION(W)	TYPICAL LUMINANCE(LM)	IK RATE
IR3TMM0124	1×4W R23	22°	24V DC 120/240	2 4 V = 175 120V = 38 240V = 26	2 4 V = 4.1 120V = 4.5 240V = 5.1	Cool white =285 Warm white =255	06
IR3TNM0126	1×6W R7	24°	24V DC 120/240	2 4 V = 270 120V = 60 240V = 35	2 4 V = 6.5 120V = 7.4 240V = 7.4	Cool white =670 Warm white =593	06
IR3TOM0128	1×10W R14	25°	24V DC 120/240	2 4 V = 480 120V = 107 240V = 55	2 4 V = 11.5 120V = 12.6 240V = 12.3	Cool white =1080 Warm white =1000	06
IB3TPM0171	1×20W B66	25°	24V DC 120/240	2 4 V = 958 120V = 180 240V = 93	2 4 V = 23 120V = 25 240V = 25.8	Cool white =2200 Warm white =2071	06

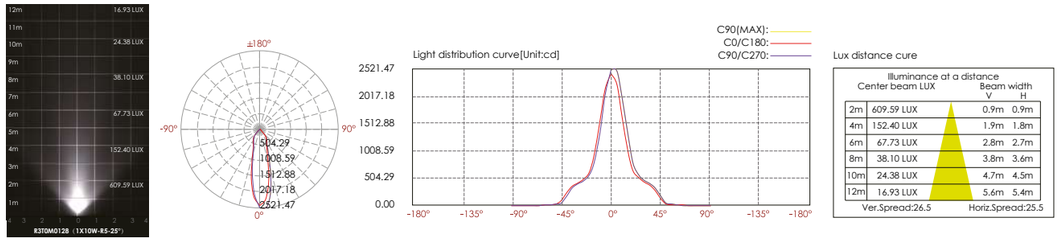
R3TMM0124



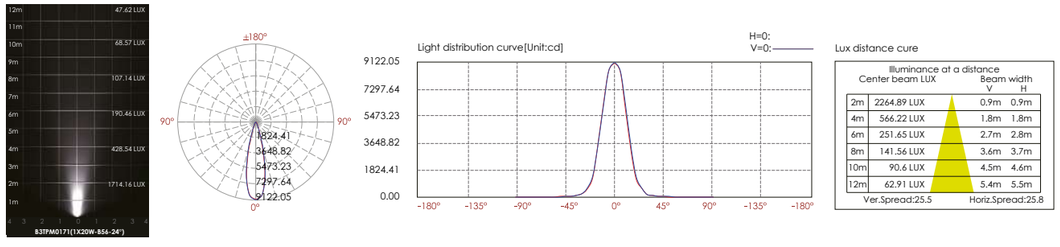
R3TNM0126



R3TOM0128



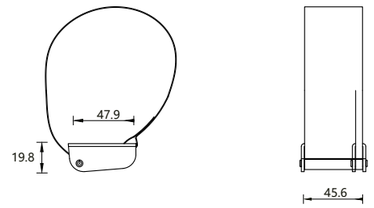
B3TPM0171



CE RoHS compliance 2011/65/EU IP66

Optional parts Tree/pole strap

OUTER DIMENSIONS & ACCESSORIES Unit:mm



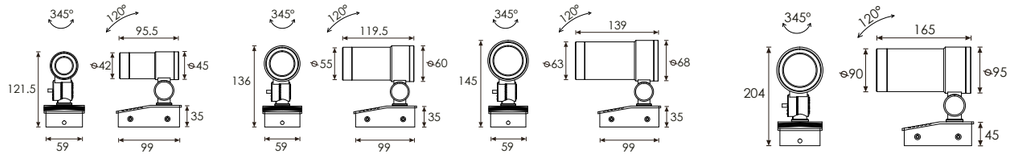


Material:
nylon belt, Aluminum. 1056# fasten buckle

Multi-function base----compatible for both wall mounting and tree/pole strap mounting



IR3TMM0124 IR3TNM0126 IR3TOM0128 IB3TPM0171

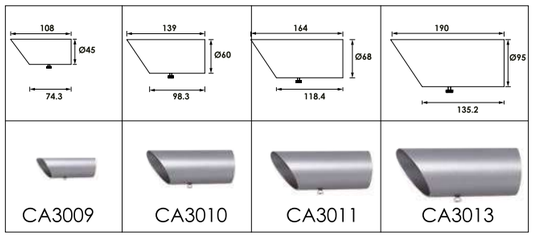


IR3TMM0124 IR3TNM0126 IR3TOM0128 IB3TPM0171

CE RoHS compliance 2011/65/EU IP66

Optional parts
Bevel cut hood

OUTER DIMENSIONS & ACCESSORIES Unit:mm



Material : Aluminium 6063#



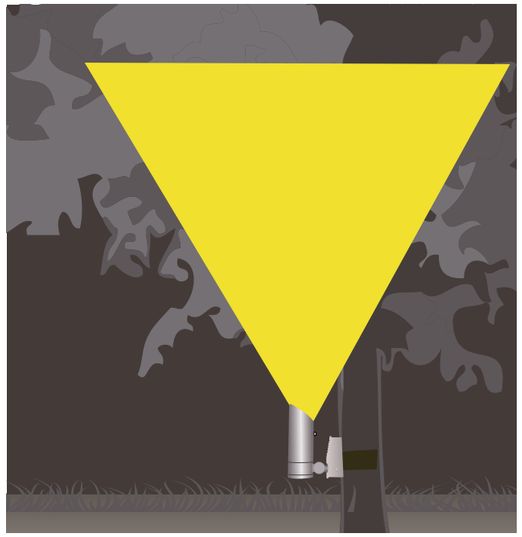
OPTIONAL PARTS: BEVEL CUT HOOD/CAP

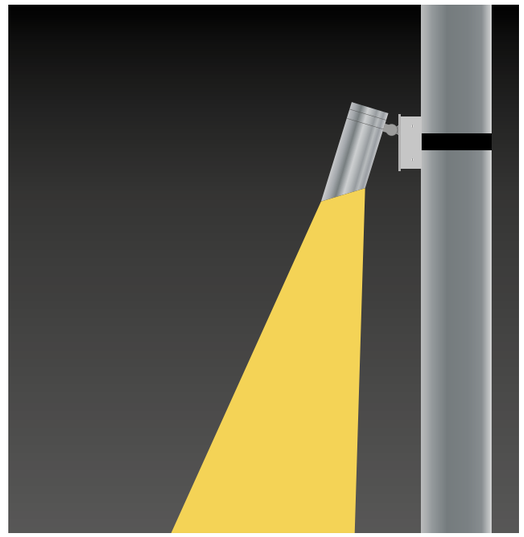






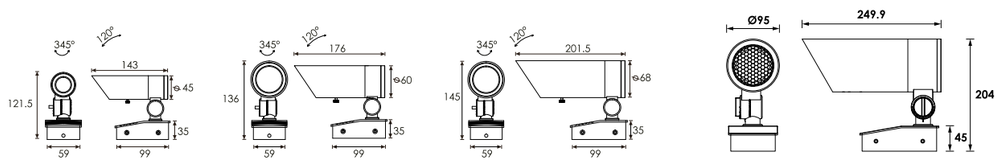








OUTER DIMENSIONS Unit:mm



IR3TMM0124 IR3TNM0126 IR3TOM0128 IB3TPM0171

Optional parts
Stick



IR3TMP0124

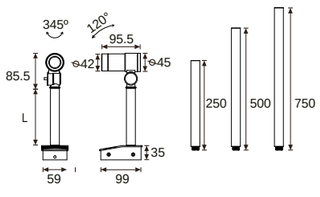


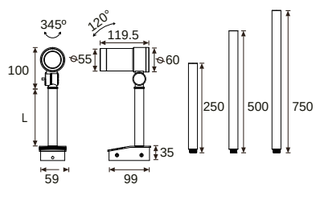
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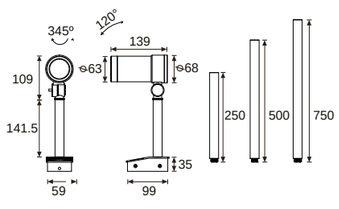


IR3TOP0128

OUTER DIMENSIONS Unit:mm









Tu001
25CM



Tu002
50CM



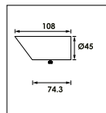
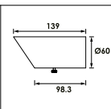
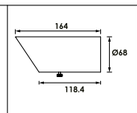
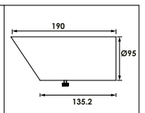
Tu003
75CM



CE RoHS compliance 2011/65/EU IP66

Optional parts
Bevel cut hood

OUTER DIMENSIONS Unit:mm

			
			
CA3009	CA3010	CA3011	CA3013

Material : Aluminium 6063#





CE RoHS compliance 2011/65/EU IP66

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