

Inground Light Series



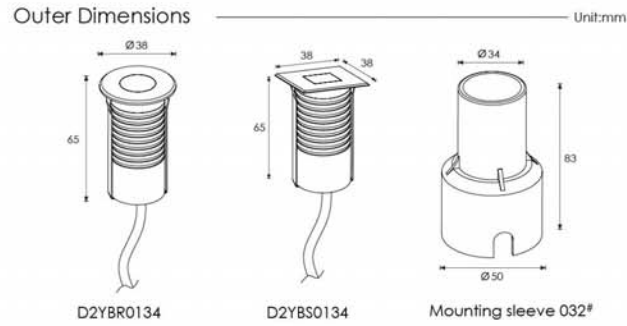


Diffuser
Tiny Type LED Inground Light
 Stainless Steel Front Cover



D2YBR0134 D2YBS0134

- LED Colour Temperature Optics
- 2000K
 - 3000K
 - 6000K
 - 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 chromeplated Stainless steel SUS 316L#
Light Window	Tempered frosted step glass.T=5mm
LED	OSRAM or NICHIA
Glass pressure capacity	Full area=254kgs
Operating temperature	-20°C~40°C
Power Cable	H05RN-F 2X1.0mm ² L=0.5m(low voltage)
Mounting sleeve	ABS 032#
Dimmable Support	Triac PWM 1-10 Dali



Up light
Tiny Type LED Inground Light
 Stainless Steel Front Cover

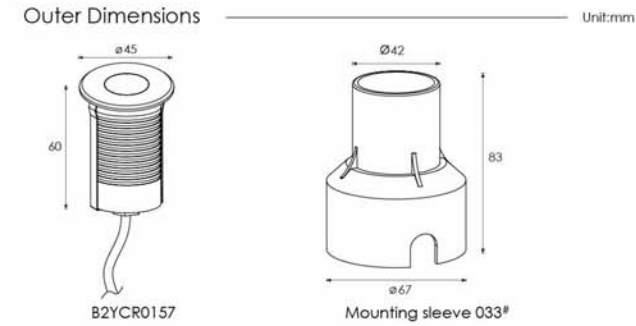
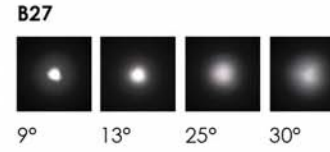
NEW 2016



- LED Colour Temperature Optics
- 2000K
 - 3000K
 - 6000K

B27

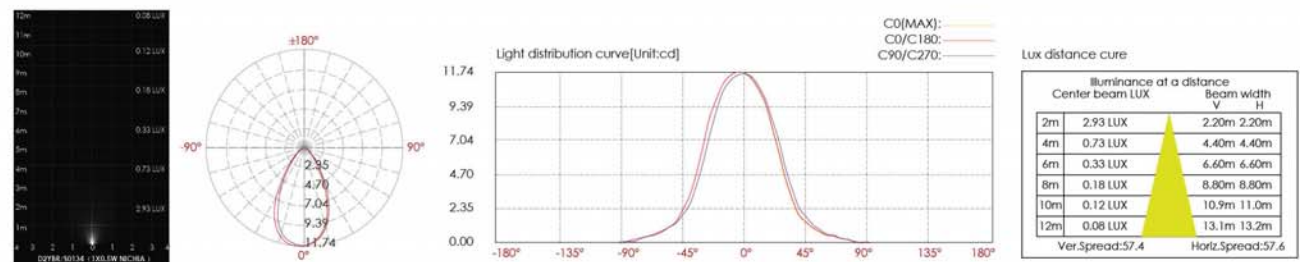
L0109D021YT	9°
L0113D021YT	13°
L0125D021YT	25°
L0130D021YT	30°



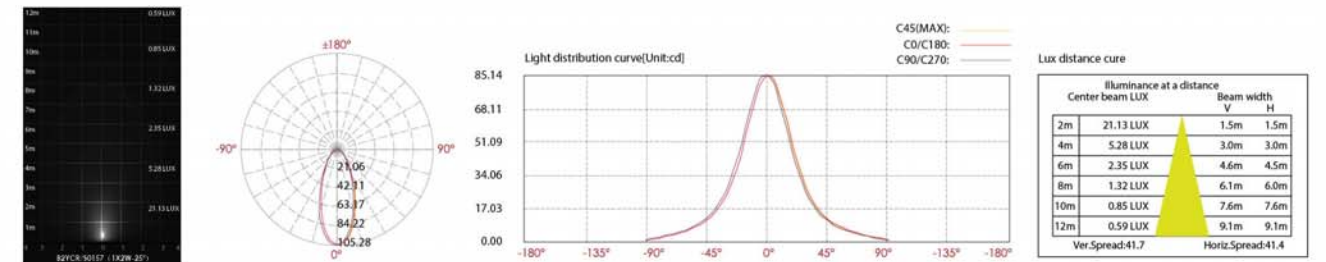
Material specifications

Housing	12# Die-casting grey powder coated aluminum. T=60-80µm Adhesion of ISO class 1/ASTM class 4B
Front cover	Hard chromeplated Stainless steel SUS 316L#
Light Window	Tempered frosted step glass.T=5mm
LED	OSRAM or NICHIA
Glass pressure capacity	Full area=254kgs
Operating temperature	-20°C~40°C
Power Cable	H05RN-F 2X1.0mm ² L=0.5m(low voltage)
Mounting sleeve	ABS 033#
Dimmable Support	Triac PWM 1-10 Dali

Item	Light source	Input voltage(v)	Typical operating current(mA)	Typical consumption(w)	Typical luminance(lm)	IK rate
○ D2YBR0134	1×0.5W NICHIA	24V DC	26	0.6	Cool white=11.0 Warm white=9.60	06
□ D2YBS0134	1×0.5W NICHIA	24V DC	26	0.6	Cool white=11.0 Warm white=9.60	06



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
○ B2YCR0157	1×2.0W OSRAM	25°	24V DC	110	2.5	Cool white =120 Warm white =135	06





NEW 2016



B2WDR0157 A



B2WDS0157 A

Strong up light Power LED Inground Light

LED Colour Temperature Optics

- 2000K
- 3000K
- 6000K



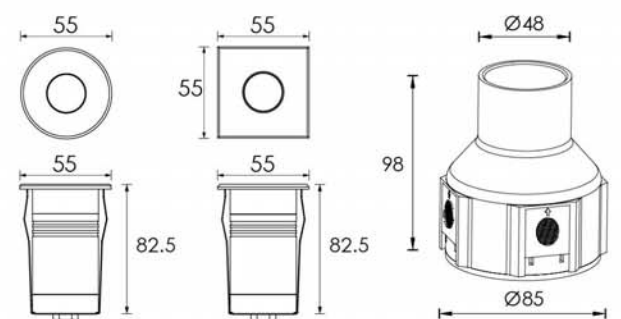
B33(B33D/B33F)
L0109F023YH 9°
L0115D023YH 15°
L0120D023YH 20°
L0130D023YH 30°
L0145D023YH45°

B33(B33D/B33F)



9°(B33F) 15° 20° 30° 45°

Outer Dimensions Unit:mm



B2WDR0157 B2WDS0157 Mounting sleeve 011*

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 or NICHIA
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 2X1.0mm ² L=0.5m(low voltage) H05RN-F 3X1.0mm ² L=0.5m(high voltage)
Mounting sleeve	ABS 011*
Dimmable Support	Triac PWM 1-10 Dali



Asymmetrical Power LED Inground Light

LED Colour Temperature Optics

- 2000K
- 3000K
- 6000K



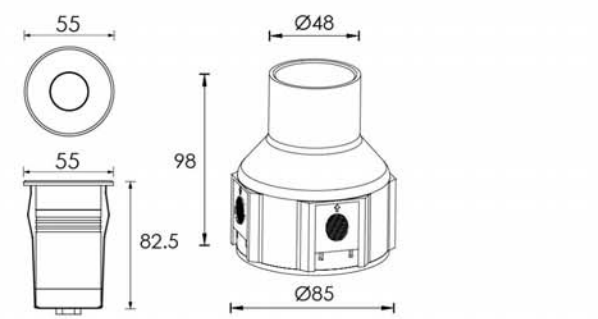
C9
L01 45°
L01 35° F023YH

C9



45° 35°

Outer Dimensions Unit:mm



Mounting sleeve 011*

Material specifications

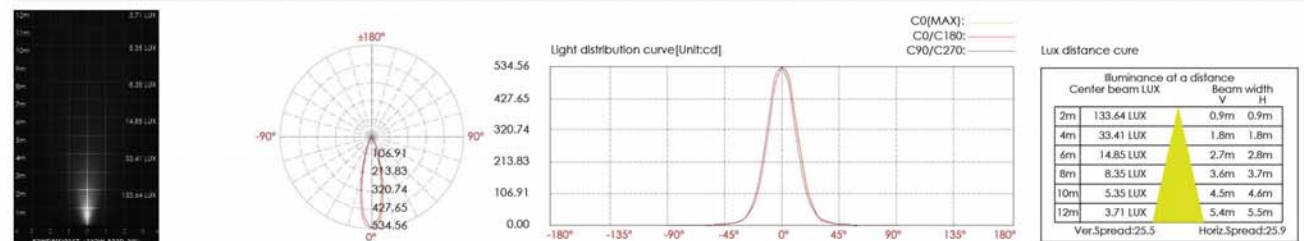
Housing	12° Die-casting grey powder coated aluminum, T=60-80µm Adhesion of ISO class 1/ASTM class 4B
Front cover	Hard chromeplated stainless steel SUS 316*
Light Window	Tempered frosted step glass.T=7mm
LED	OSRAM or NICHIA
Glass pressure capacity	Full area=1704kgs
Gasket	Molding shaped silicone seal
Lens	Optical lens.efficiency≥85%
Operating temperature	-20°C~40°C
Power Cable	H05RN-F 2X1.0mm ² L=0.5m(low voltage) H05RN-F 3X1.0mm ² L=0.5m(high voltage)
Mounting sleeve	ABS 011*
Dimmable Support	Triac PWM 1-10 Dali



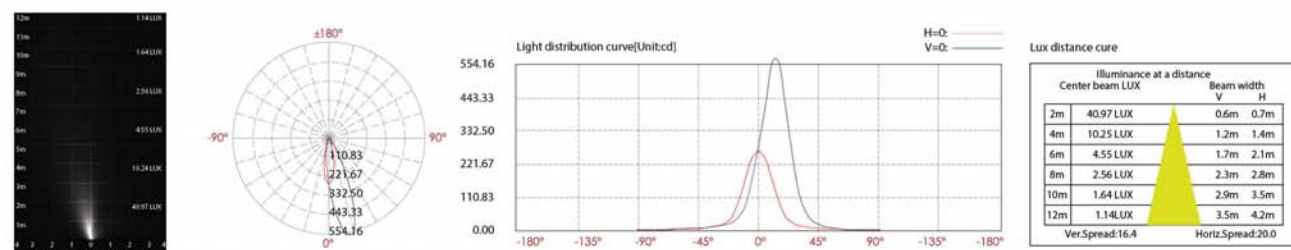
Optional Accessory Honeycomb_Louwer

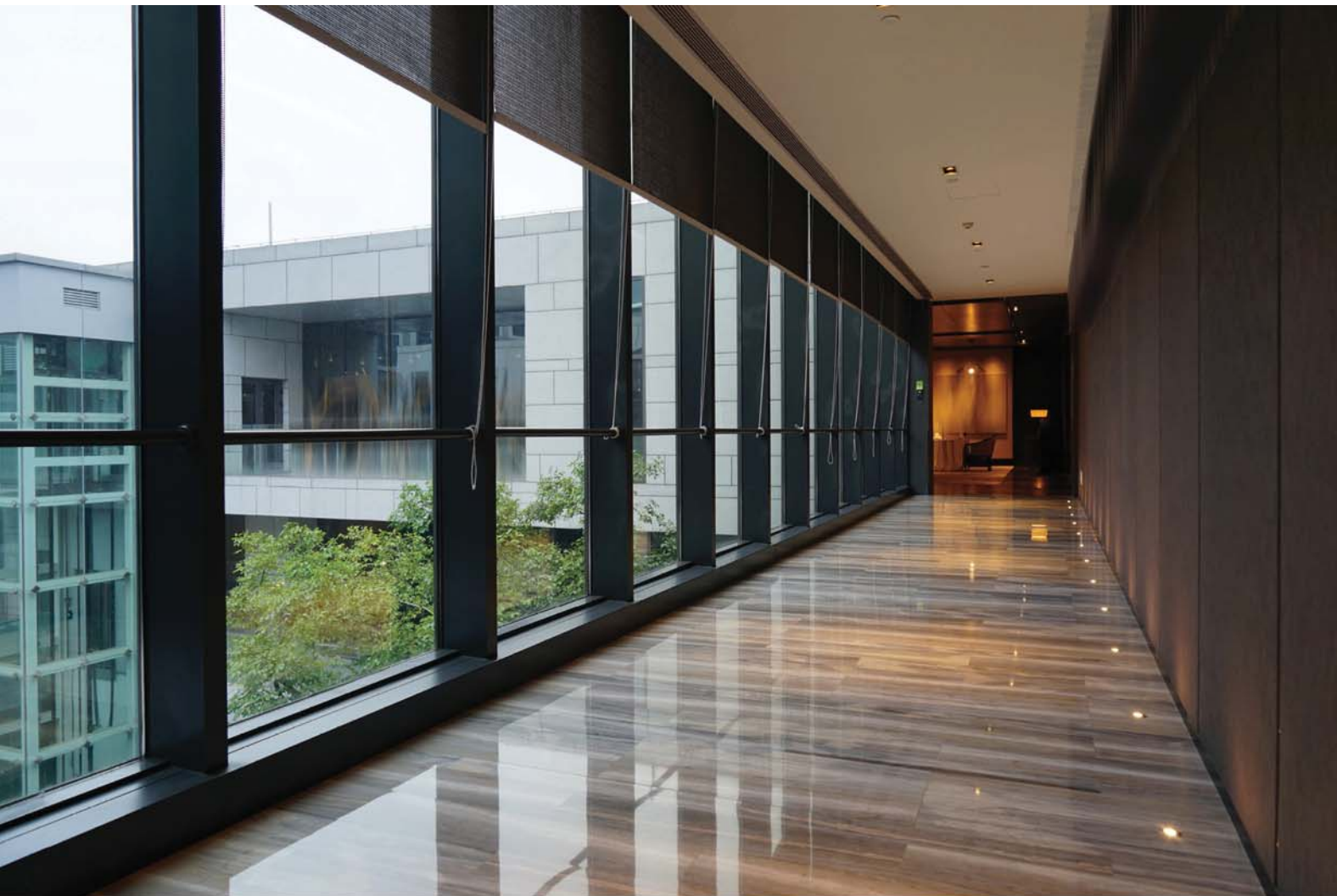


Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(v)	Typical operating current(mA)	Typical consumption(w)	Typical luminance(lm)	IK rate
○ B2WDR0157 A	1×2W	B33D	30°	24V DC 120/240	2.4V = 105 120V = 47 240V = 28	2.4V = 2.5 120V = 3.0 240V = 3.1	Cool white =130 Warm white =110	08
□ B2WDS0157 A	1×2W	B33D	30°	24V DC 120/240	2.4V = 105 120V = 47 240V = 28	2.4V = 2.5 120V = 3.0 240V = 3.1	Cool white =130 Warm white =110	08



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
○ C2WDR0157 A	1×2W	C9	45° 35°	24V DC 120/240	2.4V = 105 120V = 47 240V = 28	2.4V = 2.5 120V = 3.0 240V = 3.1	Cool white =120 Warm white =102	08





Strong up light Small Size LED Inground Light

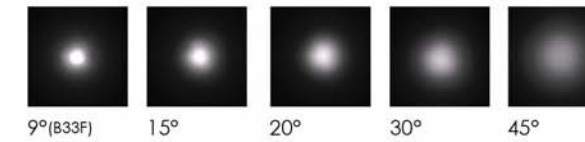
LED Colour Temperature

- 2000K
- 3000K
- 6000K

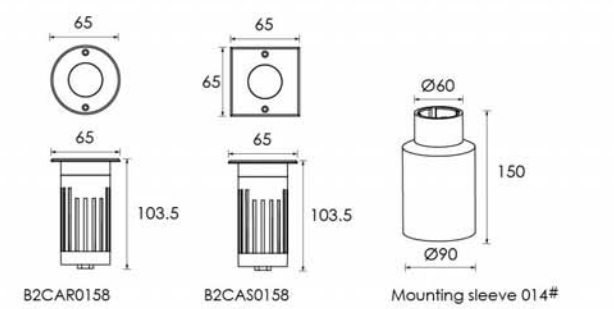
Optics

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

B33(B33D/B33F)



Outer Dimensions

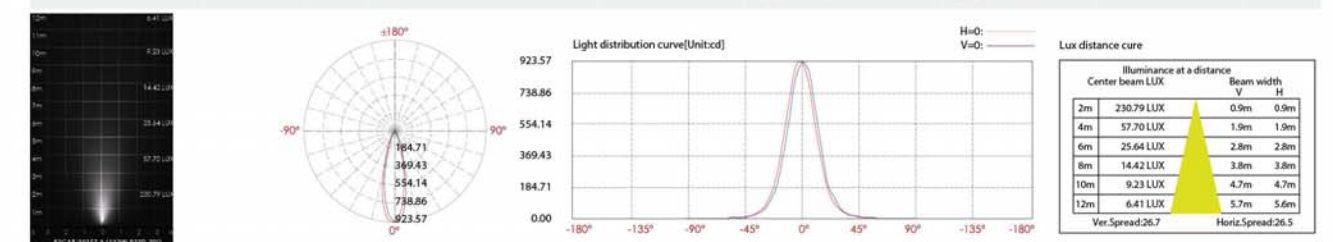


Material specifications

Housing	12# Die-casting grey powder coated aluminum. T=60-80µm Adhesion of ISO class 1/ASTM class 4B
Front cover	Hard chromeplated stainless steel SUS 316#
Light Window	Tempered frosted step glass.T=5mm
LED	OSRAM or NICHIA
Glass pressure capacity	Full area=783kgs
Gasket	Molding shaped silicone seal
LED Driver	Constant Voltage Input,Constant Current Output
Operating temperature	-20°C~40°C
Power Cable	H05RN-F 2X1.0mm ² L=0.5m(low voltage) H05RN-F 3X1.0mm ² L=0.5m(high voltage)
Mounting sleeve	ABS 014#
Dimmable Support	Triac PWM 1-10V Dali



Item	Light source	Lens	The manufacturer selected lens degree(°)B1/2	Input voltage(v)	Typical operating current(mA)	Typical consumption(w)	Typical luminance(lm)	IK rate
○ B2CAR0158	1×3W	B33	30°	24V DC 120/240	24V = 155 120V = 61 240V = 34	24V = 3.7 120V = 4.3 240V = 4.3	Cool white =305 Warm white =267	08
□ B2CAS0158	1×3W	B33	30°	24V DC 120/240	24V = 155 120V = 61 240V = 34	24V = 3.7 120V = 4.3 240V = 4.3	Cool white =305 Warm white =267	08



NEW 2016



FB2CDR0357

FB2CDS0357

Symmetrical Power LED Inground Light

LED Colour Temperature

- 2000K
- 3000K
- 6000K

Optics

FB03	
F03B33F09	9°
F03B33D15	15°
F03B33D20	20°
F03B33D30	30°
F03B33D45	45°

FB03



9° 15° 20° 30° 45°

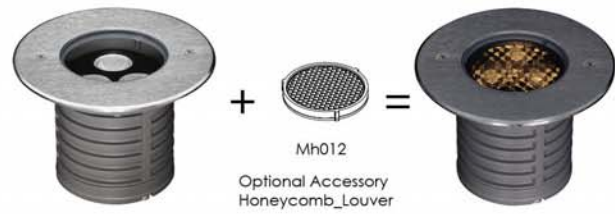
Outer Dimensions



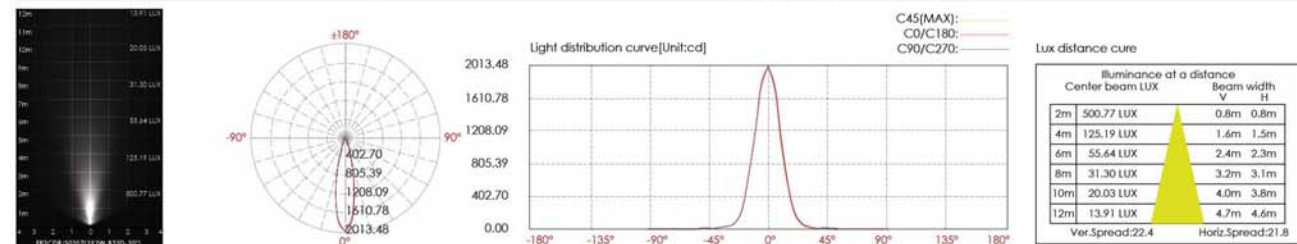
Material specifications

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 or NICHIA
Glass pressure capacity	Full area=2578kgs
Cable gland	IP-68 PG-9 PVC
PCB	Excellent heat conductivity aluminum, coefficient of heat Conductivity≥2.0w/mk
Lens	Optical lens.efficiency≥85%
Operating temperature	-20°C~40°C
Power Cable	H05RN-F 2X1.0mm ² L=0.5m(low voltage) H05RN-F 3X1.0mm ² L=0.5m(high voltage)
Mounting sleeve	ABS 015#
Dimmable Support	Triac PWM 1-10 Dall

Product Overview



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
○ FB2CDR0357	3×2W	FB03	20°	24V DC 120/240	2.4 V = 236 120V = 51 240V = 30	2.4 V = 5.6 120V = 6.0 240V = 6.0	Cool white =479 Warm white =376	09
□ FB2CDS0357	3×2W	FB03	20°	24V DC 120/240	2.4 V = 236 120V = 51 240V = 30	2.4 V = 5.6 120V = 6.0 240V = 6.0	Cool white =479 Warm white =376	09



Asymmetrical Power LED Inground Light

LED Colour Temperature

- 2000K
- 3000K
- 6000K

Optics

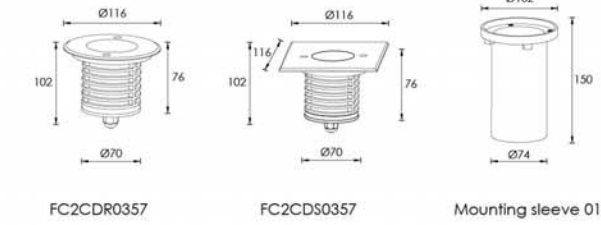
FC02	
F03C10	45°/35°

FC02



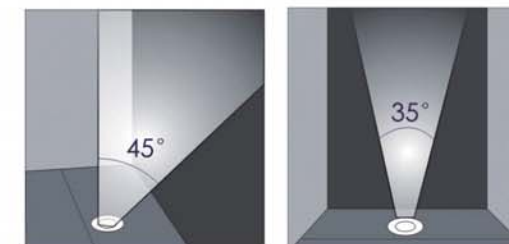
45°
35°

Outer Dimensions

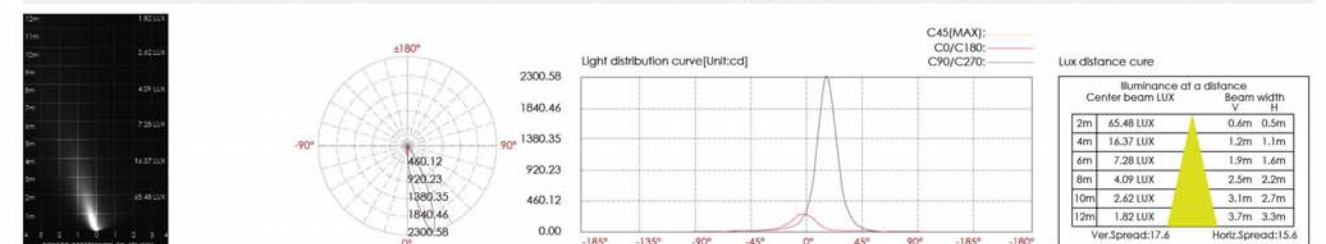


Material specifications

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 or NICHIA
Glass pressure capacity	Full area=2578kgs
Cable gland	IP-68 PG-9 PVC
PCB	Excellent heat conductivity aluminum, coefficient of heat Conductivity≥2.0w/mk
Lens	Optical lens.efficiency≥85%
Operating temperature	-20°C~40°C
Power Cable	H05RN-F 2X1.0mm ² L=0.5m(low voltage) H05RN-F 3X1.0mm ² L=0.5m(high voltage)
Mounting sleeve	ABS 015#
Dimmable Support	Triac PWM 1-10 Dall



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
○ FC2CDR0357	3×2W	FC02	45°/35°	24V DC 120/240	2.4 V = 236 120V = 51 240V = 30	2.4 V = 5.6 120V = 6.0 240V = 6.0	Cool white =370 Warm white =286	09
□ FC2CDS0357	3×2W	FC02	45°/35°	24V DC 120/240	2.4 V = 236 120V = 51 240V = 30	2.4 V = 5.6 120V = 6.0 240V = 6.0	Cool white =370 Warm white =286	09



NEW 2016



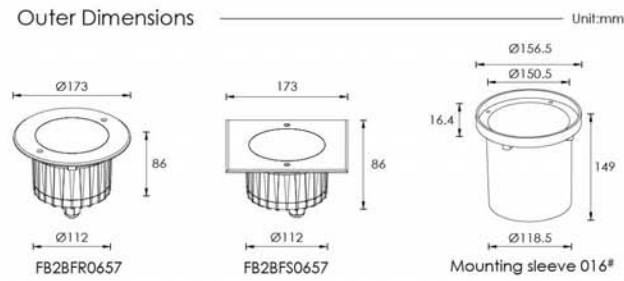
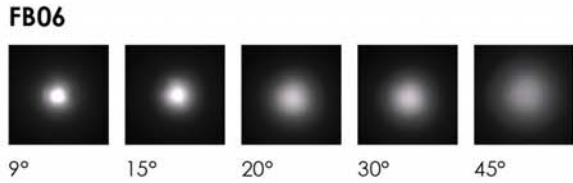
FB2BFR0657



FB2BFS0657

Symmetrical LED Up Light/Inground Light

<ul style="list-style-type: none"> LED Colour Temperature 2000K 3000K 6000K 	<ul style="list-style-type: none"> Optics FB06 F06B33F09 9° F06B33D15 15° F06B33D20 20° F06B33D30 30° F06B33D45 45°
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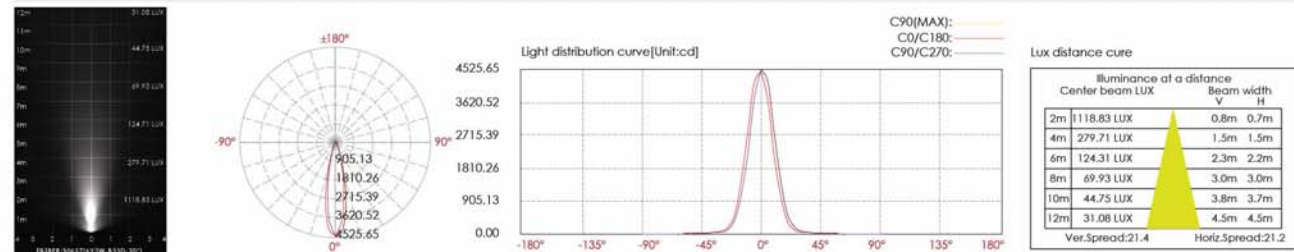


Material specifications	
Housing	12# Die-casting grey powder coated aluminum, T=60-80µm Adhesion of ISO class 1/ASTM class 4B
Front ring	Hard chromeplated stainless steel SUS 316L#
Light Window	Tempered frosted step glass, T=8mm
Glass pressure capacity	Full area=2274kgs
Cable gland	IP-68 PG-9 PVC
Gasket	Molding shaped silicone seal
LED	OSRAM or NICHIA
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 1-10 DalI

Product Overview

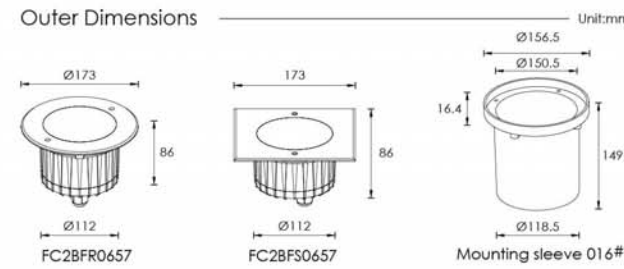


Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(v)	Typical operating current(mA)	Typical consumption(w)	Typical luminance(lm)	IK rate
○ FB2BFR0657	6×2W	FB06	20°	24V DC 120/240	2.4V = 562 120V = 100 240V = 56	2.4V = 13.5 120V = 11.8 240V = 12.4	Cool white = 956 Warm white = 783	07
□ FB2BFS0657	6×2W	FB06	20°	24V DC 120/240	2.4V = 562 120V = 100 240V = 56	2.4V = 13.5 120V = 11.8 240V = 12.4	Cool white = 956 Warm white = 783	07



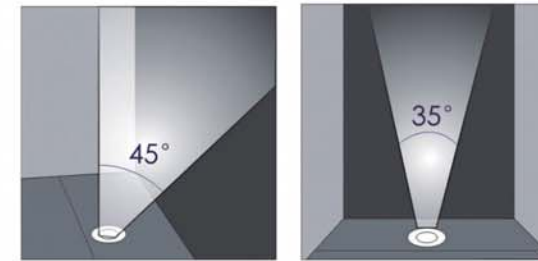
Asymmetrical LED Up Light/Inground Light

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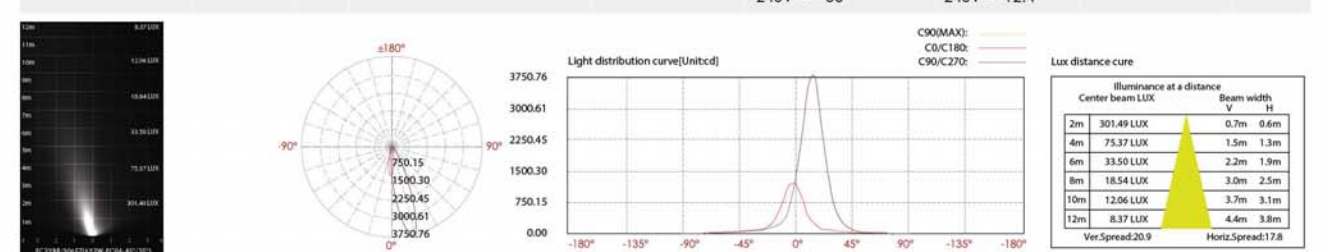


Material specifications	
Housing	12# Die-casting grey powder coated aluminum, T=60-80µm Adhesion of ISO class 1/ASTM class 4B
Front ring	Hard chromeplated stainless steel SUS 316L#
Light Window	Tempered frosted step glass, T=8mm
Glass pressure capacity	Full area=2274kgs
Cable gland	IP-68 PG-9 PVC
Gasket	Molding shaped silicone seal
LED	OSRAM or NICHIA
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 1-10 DalI

Impression drawing of lens C9



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
○ FC2BFR0657	6×2W	FC04	45° 35°	24V DC 120/240	2.4V = 535 120V = 100 240V = 56	2.4V = 12.8 120V = 11.8 240V = 12.4	Cool white = 944 Warm white = 709	07
□ FC2BFS0657	6×2W	FC04	45° 35°	24V DC 120/240	2.4V = 535 120V = 100 240V = 56	2.4V = 12.8 120V = 11.8 240V = 12.4	Cool white = 944 Warm white = 709	07





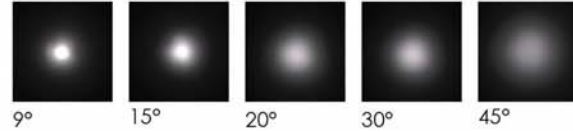
Symmetrical 20W High Luminance LED Inground Light

LED Colour Temperature Optics

- 2000K
- 3000K
- 6000K

FB06	
FO6B33F09	9°
FO6B33D15	15°
FO6B33D20	20°
FO6B33D30	30°
FO6B33D45	45°

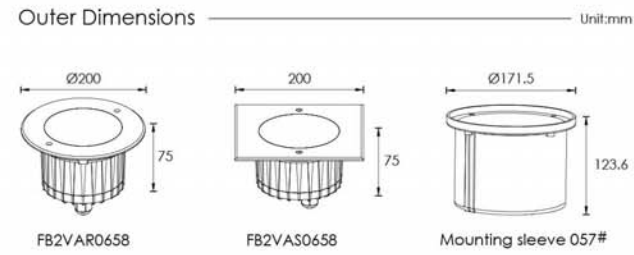
FB06



FB2VAR0658



FB2VAS0658



Material specifications	
Housing	12# Die-casting grey powder coated aluminum. T=60-80µm Adhesion of ISO class 1/ASTM class 4B
Waterproof	Molding shaped silicone seal
Front ring	Hard chromeplated stainless steel SUS 316L#
Light Window	Tempered frosted step glass.T=8mm
Glass pressure capacity	Full area=2274 kgs
Cable gland	IP-68 PG-9 PVC
Gasket	Silicone seal
LED	OSRAM or 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 1-10 Dall



Asymmetrical 20W High Luminance LED Inground Light

LED Colour Temperature Optics

- 2000K
- 3000K
- 6000K

FC04	
FO6C7305	45°/35°

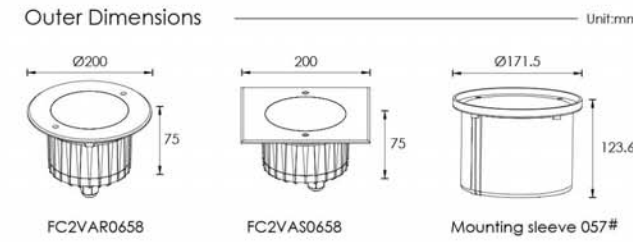
FC04



FC2VAR0658



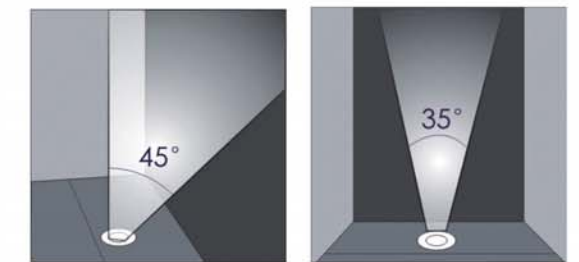
FC2VAS0658



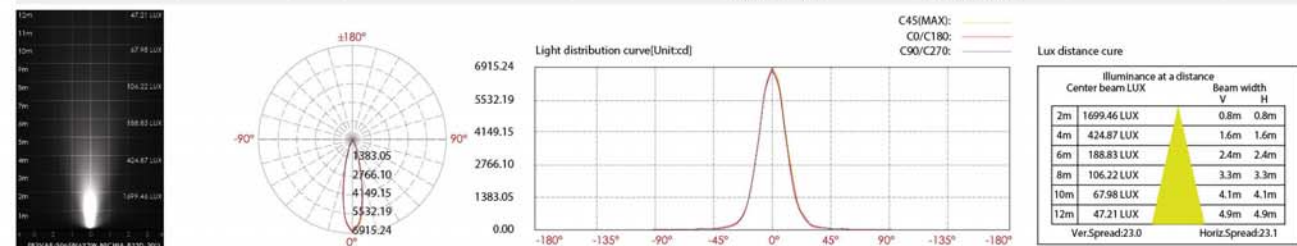
Material specifications	
Housing	12# Die-casting grey powder coated aluminum. T=60-80µm Adhesion of ISO class 1/ASTM class 4B
Waterproof	Molding shaped silicone seal
Front ring	Hard chromeplated stainless steel SUS 316L#
Light Window	Tempered frosted step glass.T=8mm
Glass pressure capacity	Full area=2274 kgs
Cable gland	IP-68 PG-9 PVC
Gasket	Silicone seal
LED	OSRAM or 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 1-10 Dall



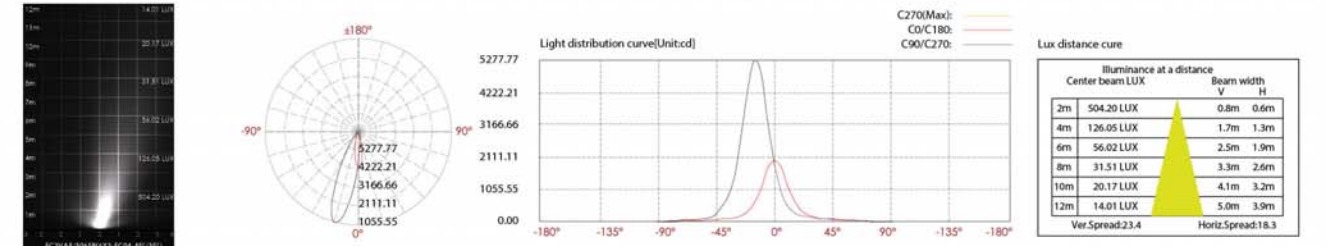
Impression drawing of lens C9



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
○ FB2VAR0658	6×3W NICHIA	FB06	20°	24V DC 120/240	2.4V = 850 120V = 156 240V = 84	2.4V = 20.4 120V = 18.6 240V = 18.8	Cool white =1866 Warm white =1605	09
□ FB2VAS0658	6×3W NICHIA	FB06	20°	24V DC 120/240	2.4V = 850 120V = 156 240V = 84	2.4V = 20.4 120V = 18.6 240V = 18.8	Cool white =1866 Warm white =1605	09



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
○ FC2VAR0658	6×3W NICHIA	FC04	45°/35°	24V DC 120/240	2.4V = 850 120V = 160 240V = 89	2.4V = 20.4 120V = 18.6 240V = 18.8	Cool white =1543 Warm white =1307	09
□ FC2VAS0658	6×3W NICHIA	FC04	45°/35°	24V DC 120/240	2.4V = 850 120V = 160 240V = 89	2.4V = 20.4 120V = 18.6 240V = 18.8	Cool white =1543 Warm white =1307	09





Beam Direction Adjustable Inground Light

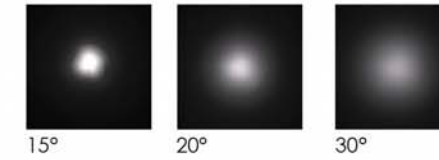
LED Colour Temperature

- 2000K
- 3000K
- 6000K

Optics

	B15
	L0115D016LK 15°
	L0120D016LK 20°
	L0130D016LK 30°

B15



Outer Dimensions

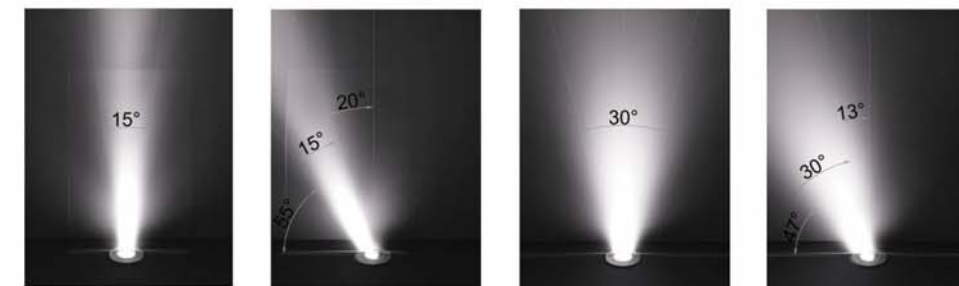
Unit:mm



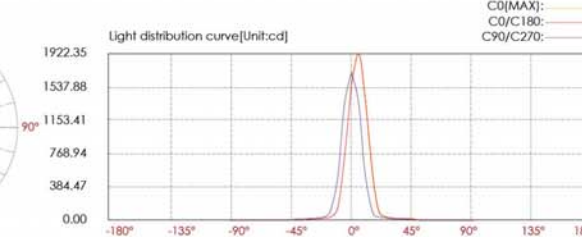
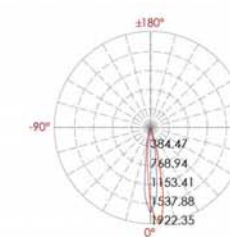
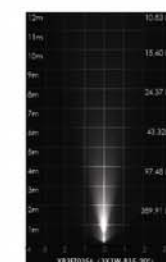
Mounting sleeve 073*

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 or NICHIA
Glass pressure capacity	Full area=1226kgs
Cable gland	IP-68 PG-9 PVC
Gasket	Molding shaped seal
LED Driver	Constant Voltage Input,Constant Current Output
Operating temperature	-20°C~40°C
Power Cable	H05RN-F 2X1.0mm ² L=0.5m(low voltage) H05RN-F 3X1.0mm ² L=0.5m(high voltage)
Mounting sleeve	ABS 073*
Dimmable Support	Triac PWM 1-10 Dali



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
XB2FT0356	3×1W	B15	20°	24V DC 120/240	2.4V = 131 120V = 72 240V = 40	2.4V = 3.1 120V = 4.6 240V = 4.8	Cool white =303 Warm white =224	09



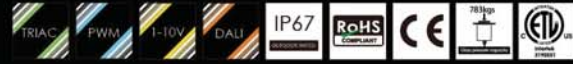
Light distribution curve[Unit:cd]

COI(MAX):
COI/180:
C90/C270:

Lux distance curve

Distance	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



Beam Direction Adjustable Inground Light



XB2BG0357



XB2BG0357 L

LED Colour Temperature

- 2000K
- 3000K
- 6000K

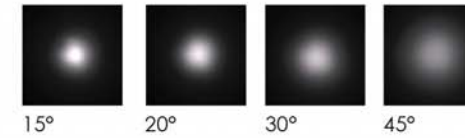
Optics



B33D

- L0115D023YH 15°
- L0120D023YH 20°
- L0130D023YH 30°
- L0145D023YH45°

B33D

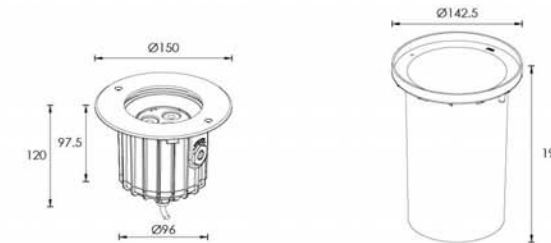


Material specifications

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	IP-68 PG-9 PVC
Gasket	Molding shaped silicone seal
LED Driver	Constant Voltage Input, Constant Current Output
Operating temperature	-20°C~40°C
Power Cable	H05RN-F 2X1.0mm ² L=0.5m (low voltage) H05RN-F 3X1.0mm ² L=0.5m (high voltage)
Mounting sleeve	ABS 072#
Dimmable Support	Triac PWM 1-10 Dali

Outer Dimensions

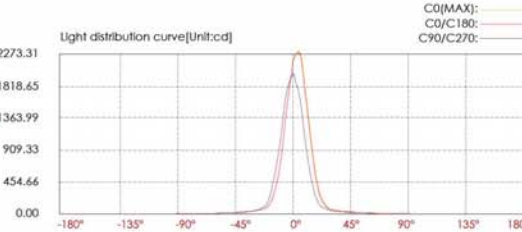
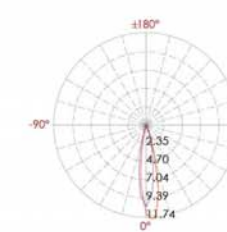
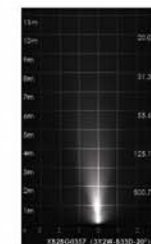
Unit:mm



• XB2BG0357 • XB2BG0357 L

Mounting sleeve 072#

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
XB2BG0357	3×2W	B33D	20°	24V DC 120/240	2.4V = 236 120V = 51 240V = 30	2.4V = 5.6 120V = 6.0 240V = 6.0	Cool white = 479 Warm white = 376	09
XB2BG0357 L	3×2W	B33D	20°	24V DC 120/240	2.4V = 236 120V = 51 240V = 30	2.4V = 5.6 120V = 6.0 240V = 6.0	Cool white = 400 Warm white = 282	09



Distance (m)	Center beam LUX	Beam width (m)
2m	500.77 LUX	0.7m 0.7m
4m	125.19 LUX	1.4m 1.4m
6m	55.64 LUX	2.1m 2.1m
8m	31.30 LUX	2.8m 2.8m
10m	20.03 LUX	3.5m 3.5m
12m	13.91 LUX	4.2m 4.2m



GX5.3 & GU10 Socket Available Inground Luminaire



D2FU0110
D2FU0113

Lighting Sources Option



GU-10 Pin Halogen Lamp
50W maximum power limit

Input voltage is according to halogen lamp spec.



GU-10 Pin LED Lamp
Maximum power limit is according to GU10 pin spec.

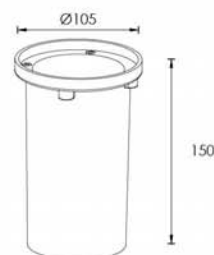
Input voltage is according to GU10 pin spec.

Outer Dimensions

Unit:mm



D2FU0110 D2FU0113



Mounting sleeve 073*

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=6mm
Gasket	Molding shaped silicone seal
Glass pressure capacity	Full area=1920kgs
Cable gland	IP-68 PG-9 copper and nickel coated
Power Cable	H05RN-F 3X1.0mm ² L=0.5m(for single color)]
Mounting sleeve	ABS 073*

Item	Lamp socket	Input voltage(v)	Typical operating current(mA)
D2FU0110	GU-10	————	————
D2FU0113	G-5.3	————	————



Inground Light
COB Type Proposal





COB LED Inground Light

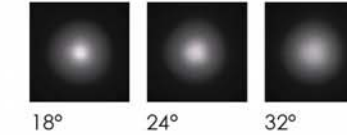
LED Colour Temperature

- 3000K
- 6000K

Optics

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

R7



NEW 2016

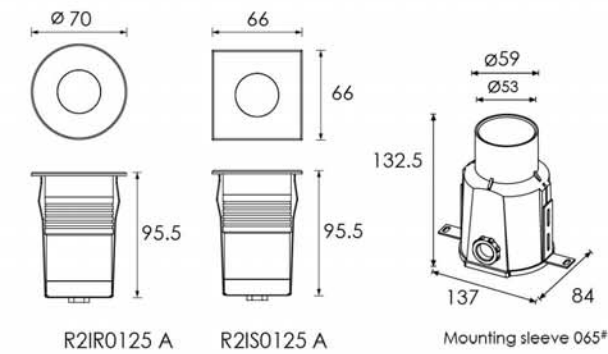


R2IR0125 A

R2IS0125 A

Outer Dimensions

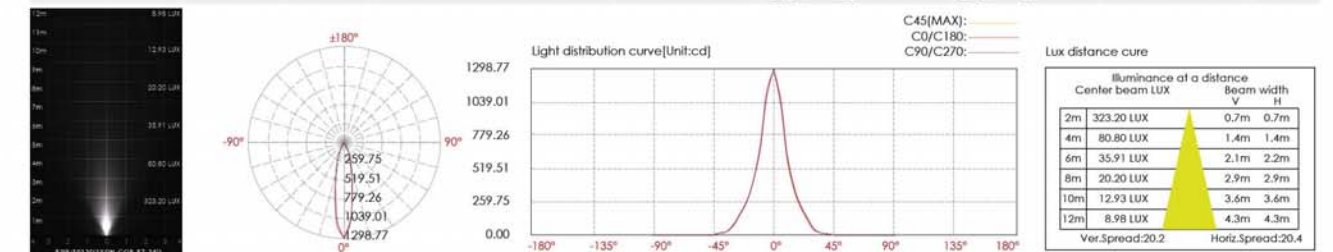
Unit:mm



Material specifications

Housing	12# Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
Front ring	Hard chrome plated stainless steel SUS 316#
Light Window	Tempered frosted step glass. T=8mm
Reflector	Optical Reflector efficiency ≥90%
LED	NICHIA
Glass pressure capacity	Full area=783kgs
Cable gland	Molding shaped silicone seal
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 065#

Item	Light source	Reflector	The manufacturer selected lens degree(°)θ1/2	Input voltage(v)	Typical operating current(mA)	Typical consumption(w)	Typical luminance(lm)	IK rate
<input type="radio"/> R2IR0125 A	1×5W COB	R7	24°	24V DC 120/240	24V = 265 120V = 52 240V = 32	24V = 6.3 120V = 6.5 240V = 6.7	Cool white =506 Warm white =442	08
<input type="checkbox"/> R2IS0125 A	1×5W COB	R7	24°	24V DC 120/240	24V = 265 120V = 52 240V = 32	24V = 6.3 120V = 6.5 240V = 6.7	Cool white =506 Warm white =442	08





COB LED Inground Light

LED Colour Temperature

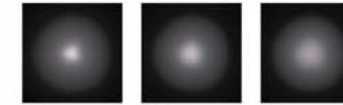
- 3000K
- 6000K

Optics



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

R5



18° 25° 40°

NEW 2016

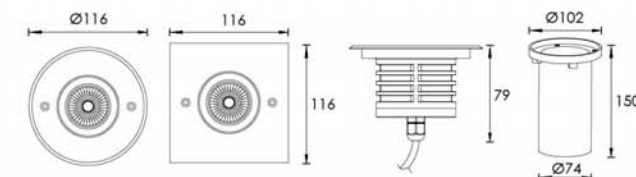


R2CDR0126



R2CDS0126

Outer Dimensions



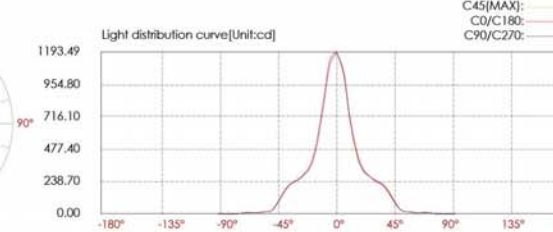
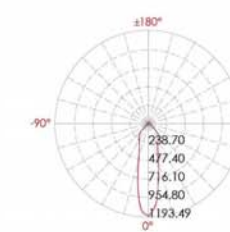
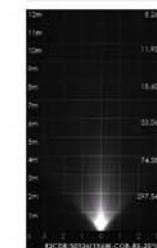
R2CDR0126 R2CDS0126

Mounting sleeve 015#

Material specifications

Housing	12# Die-casting dark grey powder coated aluminum T=60-80μm.
Front ring	Hard chromeplated Stainless steel SUS 316L#
Light Window	Tempered frosted step glass.T=8mm
Cable gland	IP-68 PG-9 PVC
Glass pressure capacity	Full area=2578kgs
LED	NICHIA COB
PCB	Excellent heat conductivity aluminum, coefficient of heat Conductivity≥2.0w/mk
LED Driver	Constant Voltage Input,Constant Current Output
Reflector	Optical Reflector efficiency≥90%
Operating temperature	-20°C~40°C
Power Cable	H05RN-F 2X1.0mm² L=0.5m(low voltage) H05RN-F 3X1.0mm² L=0.5m(high voltage)
Mounting sleeve	PVC 015#

Item	Light source	Reflector	The manufacturer selected lens degree(°)θ1/2	Input voltage(v)	Typical operating current(mA)	Typical consumption(w)	Typical luminance(lm)	IK rate
R2CDR0126	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 =760 Warm white =660	09
R2CDS0126	1×6W COB	R5	25°	24V DC 120/240	24V = 270 120V = 65 240V = 37	24V = 6.8 120V = 7.7 240V = 7.8	Cool white =760 Warm white =660	09



Lux distance curve

Center beam LUX	Beam width V	H
297.54 LUX	0.9m	0.9m
74.38 LUX	1.8m	1.8m
33.06 LUX	2.7m	2.8m
18.60 LUX	3.7m	3.7m
11.90 LUX	4.6m	4.6m
8.26 LUX	5.5m	5.5m

Ver.Spread:25.8 Horiz.Spread:25.9

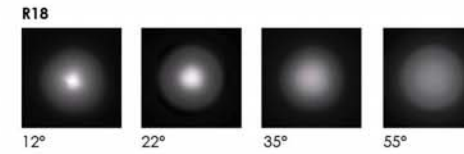


High Luminance Output Inground Flood Light

LED Colour Temperature Optics

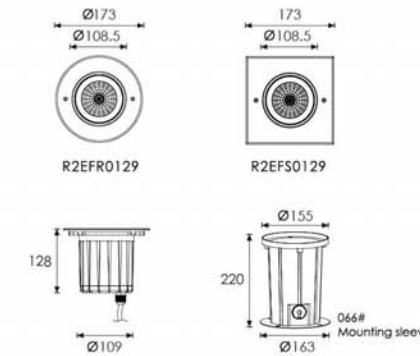
- 3000K
- 6000K

R18
 R0112C075XL 12°
 R0122C075XL 22°
 R0135C075XL 35°
 R0155C075XL 55°

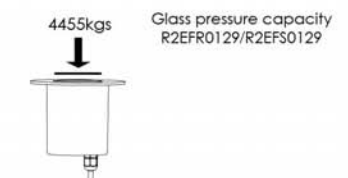
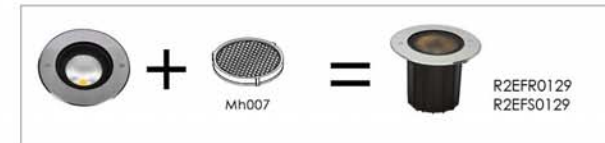


Material specifications

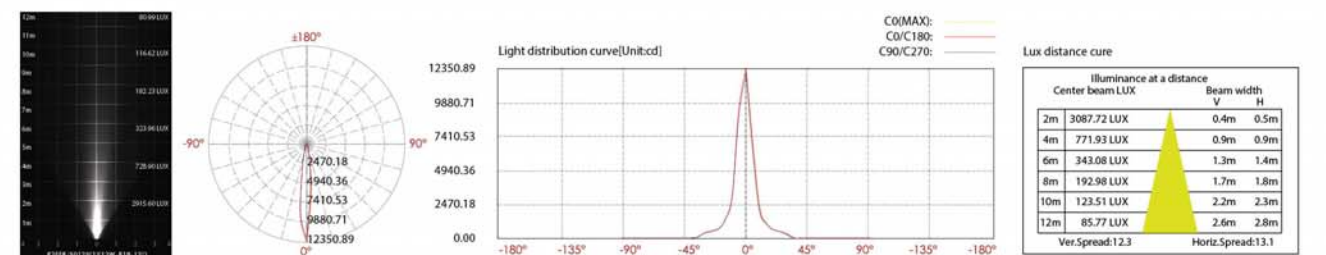
Housing	12° Die-casting dark grey powder coated aluminum T=60-80µm Adhesion of ISO class 1/ATM class 4B
Front cover	Hard chromeplated stainless steel SUS 316L#
Light Window	Tempered frosted step glass.T=8mm
Reflector	Optical Reflector efficiency≥90%
LED	NICHIA COB
Glass pressure capacity	Full Area=4455kgs
Cable gland	IP-68 PG-11 PVC
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 066#



Optional Honeycomb Louver



Item	Light source	Reflector	The manufacturer selected lens degree(°)θ1/2	Input voltage(v)	Typical operating current(mA)	Typical consumption(w)	Typical luminance(lm)	IK rate
○ R2EFR0129	1 × 12W COB	R18	22°	24V DC 120/240	24V = 529	24V = 12.7	Cool white = 1357 Warm white = 1230	10
□ R2EFS0129					120V = 102 240V = 64	120V = 14.0 240V = 14.0		



NEW 2016

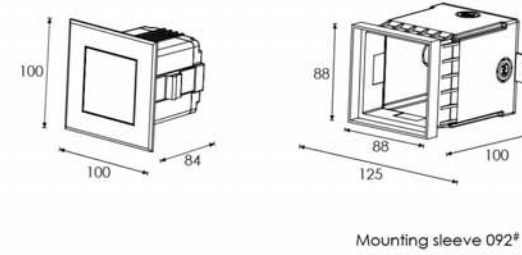


Recessed Inground Light

Stainless steel front cover with Matte Surface treatment



Outer Dimensions



Unit:mm

Material specifications

Housing	12# Die-casting grey powder coated aluminum. T=60-80um Adhesion of ISO class 1/ASTM class 4B
Front cover	Hard chromeplated stainless steel SUS 316#
Light Window	Tempered frosted step glass.T=8mm
LED	NICHIA 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 2×1.0mm ² L=0.5(low voltage) H05RN-F 3×1.0mm ² L=0.5(high voltage)
Mounting sleeve	ABS Ø92#
Dimmable Support	

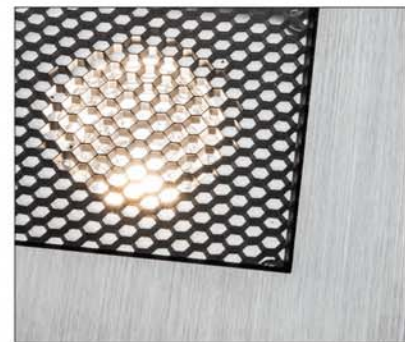
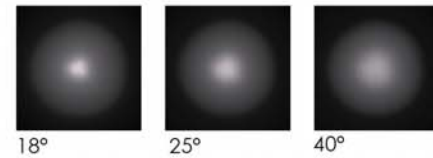
LED Colour Temperature

- 3000K
- 6000K

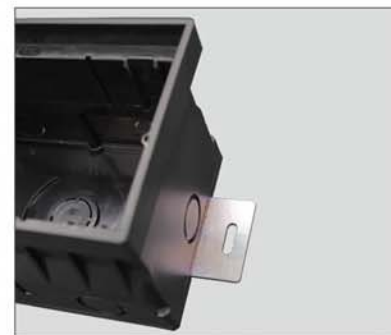
Optics

R5	
R0118C035XL 18°	
R0125C044XL 25°	
R0140C044XL 40°	

R5

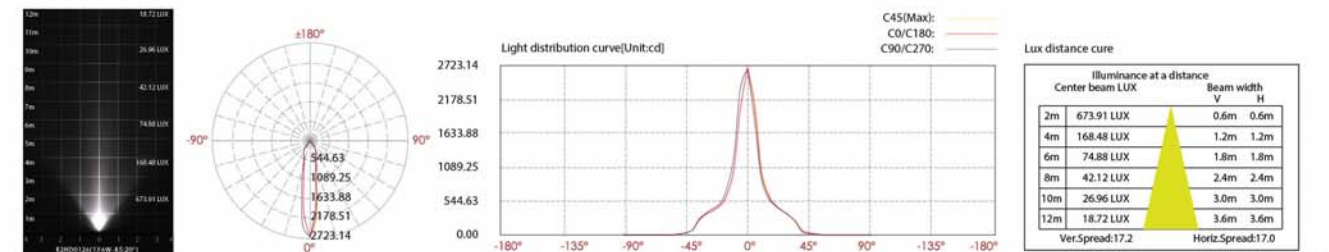


Honeycomb for anti-glare

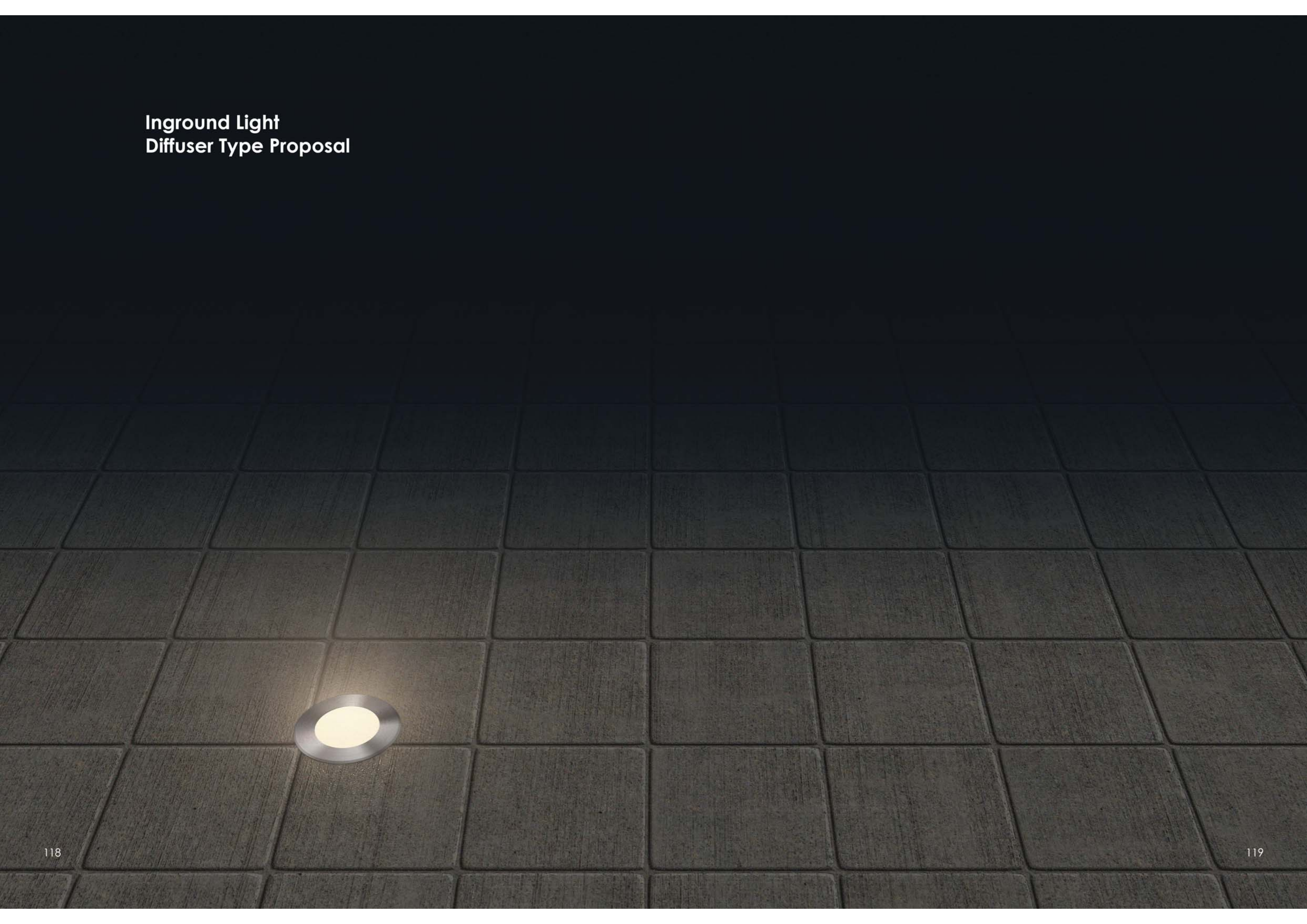


There are two metals support plate on the bottom of the sleeve. It is used for fixing and preventing the mounting sleeve shifting while filling the concrete. These will simply installer and electrician while they are recessing the sleeves.

Item	Light source	Reflector	The manufacturer selected lens degree(°)B1/2	Input voltage(v)	Typical operating current(mA)	Typical consumption(w)	Typical luminance(lm)	IK rate
R2HD0126	1×6W	R5	25°	24V DC 120 / 240V	24V = 300 120V = 65 240V = 37	24V = 7.2 120V = 7.7 240V = 7.8	Cool white =648 Warm white =507	07



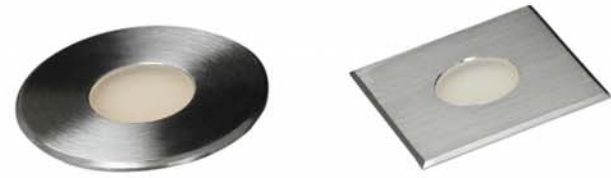
Inground Light
Diffuser Type Proposal





Soft light Recessed Wooden Floor Light

- LED Colour Temperature
 - 2000K
 - 3000K
 - 6000K
- Optics
 - N/A



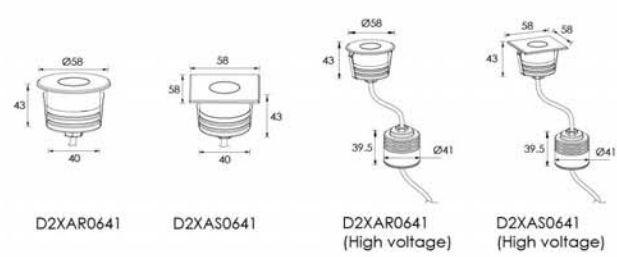
D2XAR0641

D2XAS0641



3000K° 4000K° 6000K°

Outer Dimensions



Material specifications

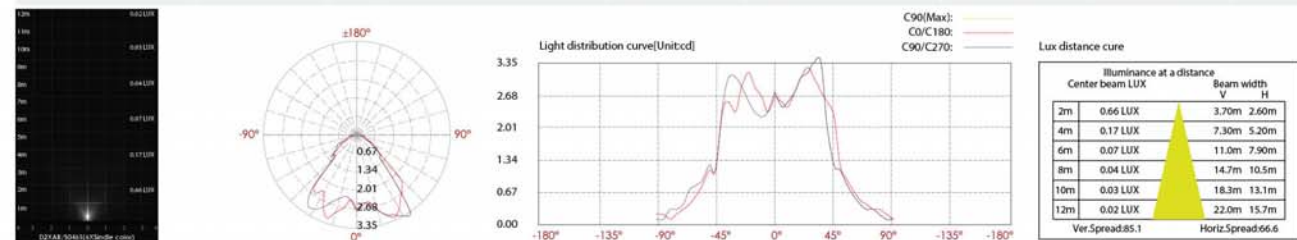
Housing	12# Die-casting dark grey powder coated aluminum, T=60-80µm, Adhesion of ISO class 1/ASTM class 4B
Front ring	Hard chromeplated stainless steel SUS 316#
Light Window	Tempered frosted step glass, T=7mm
Glass pressure capacity	Full area=1106kgs
Operating temperature	-20°C~40°C
Power Cable	H05RN-F 2X1.0mm ² L=0.5m(low voltage) H05RN-F 3X1.0mm ² L=0.5m(high voltage)
Dimmable Support	Triac PWM 1-10 DalI

Installation diagram



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

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
○ D2XAR0641	6×0.6W Single color	—	—	24VDC 240V	24V = 17 240V = 13	24V = 0.4 240V = 0.7	Cool white =2 Warm white =1	08
□ D2XAS0641	6×0.6W Single color	—	—	24VDC 240V	24V = 17 240V = 13	24V = 0.4 240V = 0.7	Cool white =2 Warm white =1	08



Smooth surface light Small Size LED Inground Light

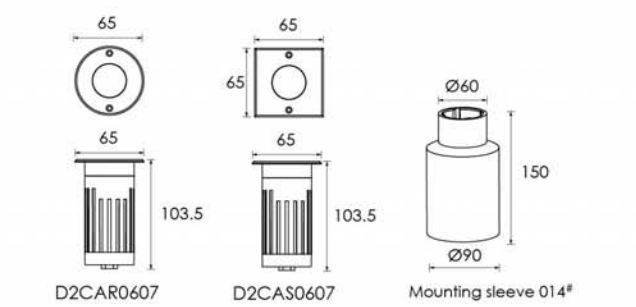
- LED Colour Temperature
 - 2000K
 - 3000K
 - 6000K
- Optics
 - N/A



D2CAR0607

D2CAS0607

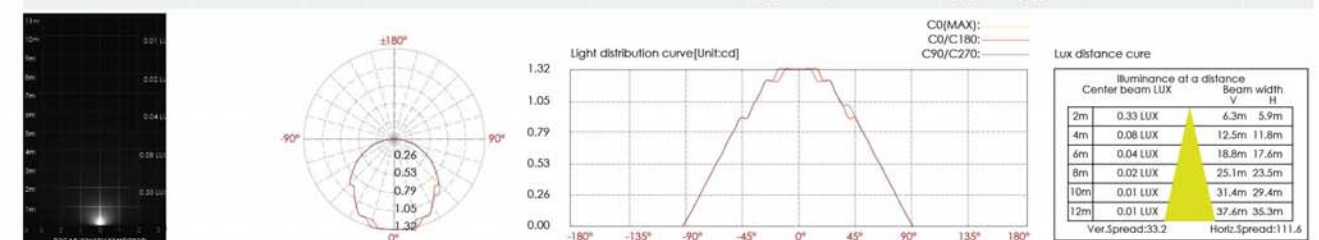
Outer Dimensions



Material specifications

Housing	12# Die-casting grey powder coated aluminum, T=60-80µm Adhesion of ISO class 1/ASTM class 4B
Front cover	Hard chromeplated stainless steel SUS 316#
Light Window	Tempered frosted step glass, T=5mm
Glass pressure capacity	Full area=783kgs
Gasket	Molding shaped silicone seal
LED Driver	Constant Voltage Input, Constant Current Output
Operating temperature	-20°C~40°C
Power Cable	H05RN-F 2X1.0mm ² L=0.5m(low voltage) H05RN-F 3X1.0mm ² L=0.5m(high voltage)
Mounting sleeve	ABS 014#
Dimmable Support	Triac PWM 1-10 DalI

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
○ D2CAR0607	6×SMD2835	—	—	24V DC 120/240	24V = 16 120V = 13 240V = 7	24V = 0.38 120V = 0.70 240V = 0.80	Cool white =4.1 Warm white =3.5	09
□ D2CAS0607	6×SMD2835	—	—	24V DC 120/240	24V = 16 120V = 13 240V = 7	24V = 0.38 120V = 0.70 240V = 0.80	Cool white =4.1 Warm white =3.5	09





Soft light Recessed Wooden Floor Light

LED Colour Temperature Optics

- 2000K
- 3000K
- 6000K

• N/A



Installation diagram



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

Material specifications

Housing	12" Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
Front ring	Hard chrome plated stainless steel SUS 316L*
Light Window	Tempered frosted step glass. T=8mm
Glass pressure capacity	Full area=3370kgs
Operating temperature	-20°C~40°C
Power Cable	H05RN-F 2X1.0mm ² L=0.5m (low voltage) H05RN-F 3X1.0mm ² L=0.5m (high voltage)
Dimmable Support	Triac PWM 1-10V Dali



Soft light Recessed Wooden Floor Light

LED Colour Temperature Optics

- 2000K
- 3000K
- 6000K

• N/A



Installation diagram



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

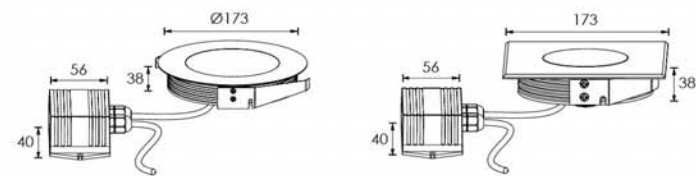
Material specifications

Housing	12" Die-casting dark grey powder coated aluminum. T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
Front ring	Hard chrome plated stainless steel SUS 316L*
Light Window	Tempered frosted step glass. T=8mm
Glass pressure capacity	Full area=3370kgs
Operating temperature	-20°C~40°C
Power Cable	H05RN-F 2X1.0mm ² L=0.5m (low voltage) H05RN-F 3X1.0mm ² L=0.5m (high voltage)
Dimmable Support	Triac PWM 1-10V Dali

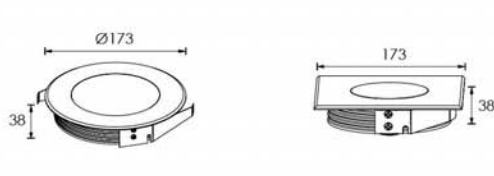
Outer Dimensions

Unit:mm

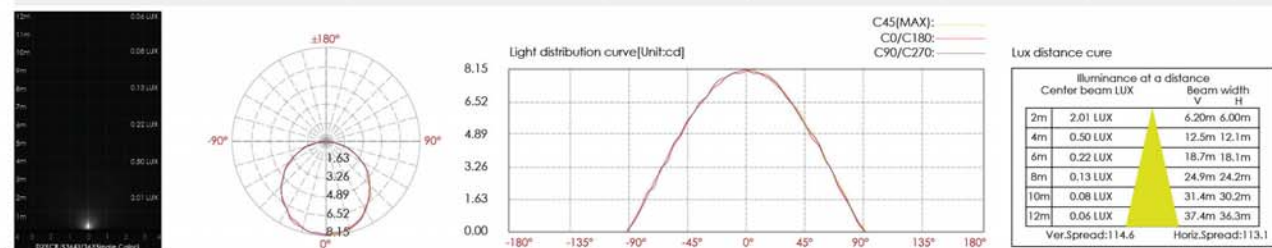
High voltage



Low voltage



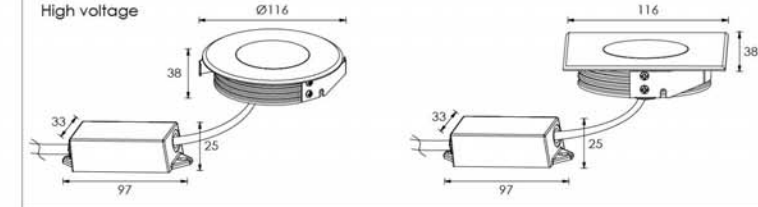
Item	Light source	The manufacturer selected lens degree(°)θ1/2	Input voltage(v)	Typical operating current(mA)	Typical consumption(w)	Typical luminance(lm)	IK rate
○ D2XCR3641	36×0.6W Single color	—	24V DC 240V	24V = 100 240V = 29	24V = 2.40 240V = 3.10	Cool white =51 Warm white =42	08
□ D2XCS3641	36×0.6W Single color	—	24V DC 240V	24V = 100 240V = 29	24V = 2.40 240V = 3.10	Cool white =51 Warm white =42	08



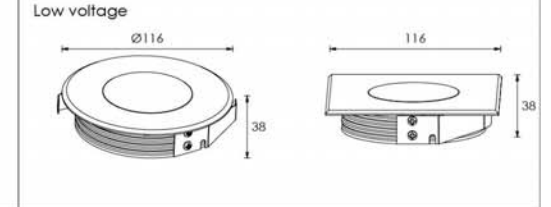
Outer Dimensions

Unit:mm

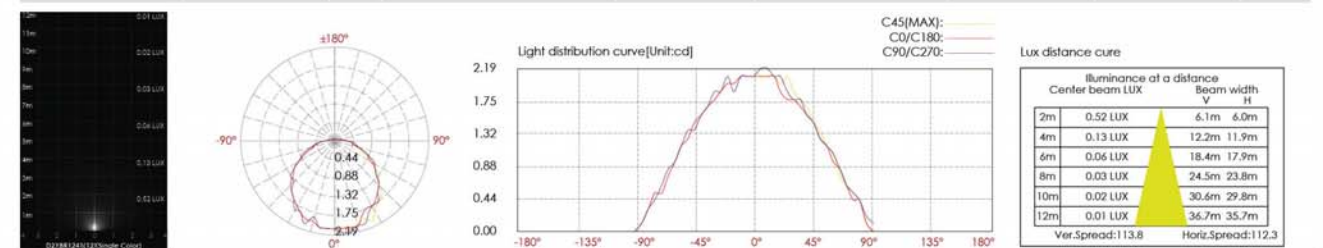
High voltage



Low voltage



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
○ D2XBR1241	12×Single color	—	—	24V DC 240	24V = 34 240V = 17	24V = 0.8 240V = 1.2	Cool white =20 Warm white =13	08
□ D2XBS1241	12×Single color	—	—	24V DC 240	24V = 34 240V = 17	24V = 0.8 240V = 1.2	Cool white =20 Warm white =13	08

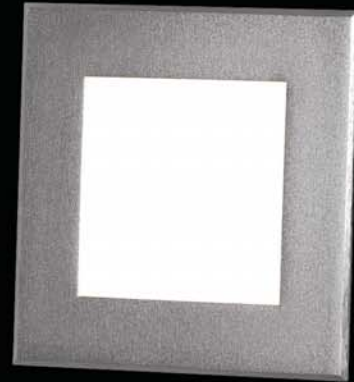


NEW 2016



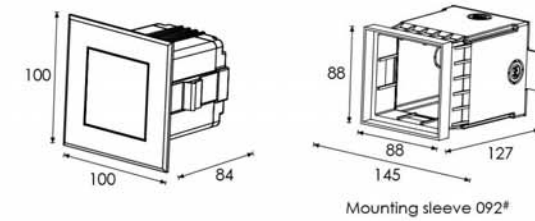
Recessed Inground Light

Stainless steel front cover with Matte Surface treatment



Outer Dimensions

Unit:mm



Material specifications

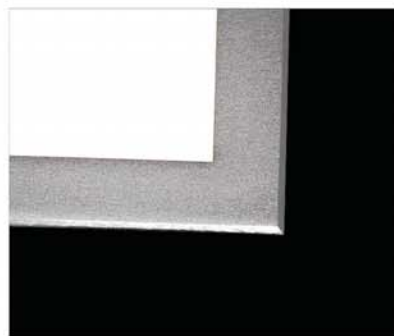
Housing	12# Die-casting grey powder coated aluminum. T=60-80um Adhesion of ISO class 1/ASTM class 4B
Front cover	Hard chromeplated stainless steel SUS 316L#
Light Window	Tempered frosted step glass.T=8mm.white print
LED	SMD3030 type LED
Cable gland	IP-67 copper and nicked coated
Gasket	Molding shaped silicone seal
LED Driver	Constant Voltage Input,Constant Current Output
Operating temperature	-20°C~40°C
Power Cable	H05RN-F 2×1.0mm ² L=0.5(kow voltage) H05RN-F 3×1.0mm ² L=0.5(high voltage)
Mounting sleeve	ABS 092#
Dimmable Support	Triac PWM 1-10V DalI

LED Colour Temperature

Optics

- 2000K
- 3000K
- 6000K

- N/A



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

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
D2HF1634	16×0.2W	-----	24V DC 120 / 240	24V = 125 120V = 58 240V = 34	24V = 3.0 120V = 3.7 240V = 3.8	Cool white =72 Warm white =65	09

