



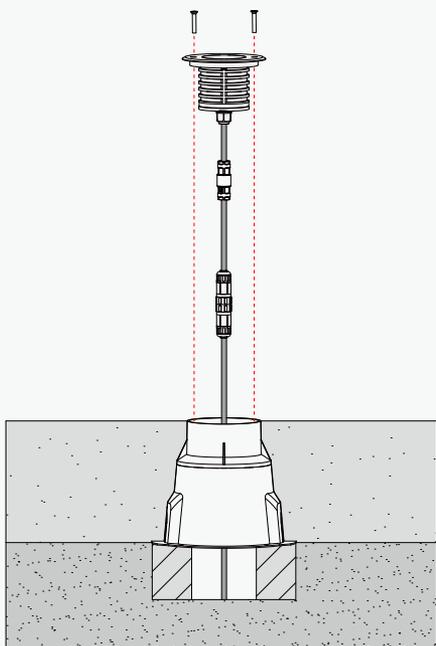
Inground Light

COMMON FEATURE

Easy Installation

- All Nova's inground lights could be installed directly. No need to disassemble the front cover. (see image)

ps: If front covers are to be removed, it may affect the waterproof (IP67) effect.



Newly added IP-67 water-stopper and optional IP-67 plug socket connector

- A Water-Stopper (Included)**
 The luminaire will generate high temperature when used, which will generate negative pressure when the power is turned off also brings water vapor into the luminaire. That's why the device is required to block the entry of water vapor.

- B IP67 Jiffy quick plug/socket connector (Option)**
 To prevent water vapor into luminaire via wire which had been cut, the air contains lots of steams when raining, spray or in humid environment, the luminaire will generate high temperature when used, which will generate negative pressure when the power is turned off also brings water vapor into the luminaire.



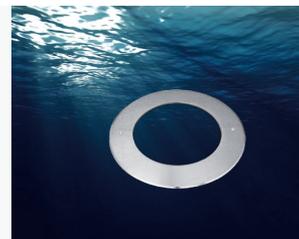
Amplified recessed sleeves

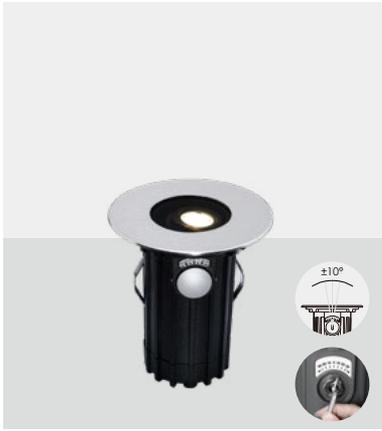
- To accord with the increase of new water-stopper assembly, recessed sleeves of each product are generally amplified that cables, a IP-67 water-stopper **A** and a IP-67 connector **B** can be contained shown as follow.



316L stainless steel front cover (Sea water used)

- Marine grade stainless steel 316L front covers are used in all products range.





ITEM
HX95BAC11-2

LIGHT SOURCE
1×2W OSRAM

LENS
B27

SELECTED DEGREE(°)Ø1/2
15°

INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=110 AC 120=43 AC 240=27

CONSUMPTION(W)
DC 24=2.6 AC 120=3.2 AC 240=3.2

LUMINANCE(LM)
CW=147 WW=112

IK
09



ITEM
HX116BAC11-3

LIGHT SOURCE
1×3W NICHIA

LENS
B87

SELECTED DEGREE(°)Ø1/2
9°

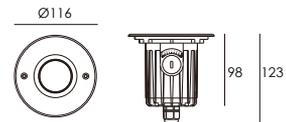
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=131 AC 120=45 AC 240=26

CONSUMPTION(W)
DC 24=3.1 AC 120=5.3 AC 240=5.4

LUMINANCE(LM)
300

IK
09



ITEM
HX173BAC11-7.2

LIGHT SOURCE
6×1.2W OSRAM

LENS
B17

SELECTED DEGREE(°)Ø1/2
20°

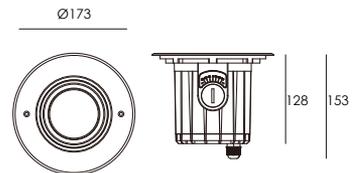
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=325 AC 120=70 AC 240=46

CONSUMPTION(W)
DC 24=7.8 AC 120=9.2 AC 240=9.2

LUMINANCE(LM)
CW=700 WW=570

IK
10



WATER PROOF SOLUTION



A Water-Stopper(Included)

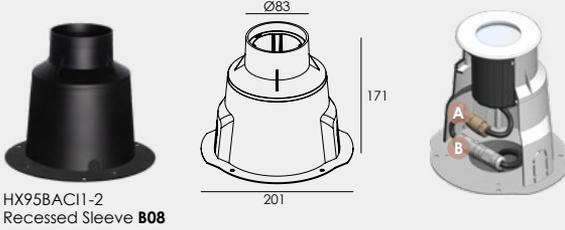
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.

B IP67 Jiffy quick plug/socket connector(Optional)

A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

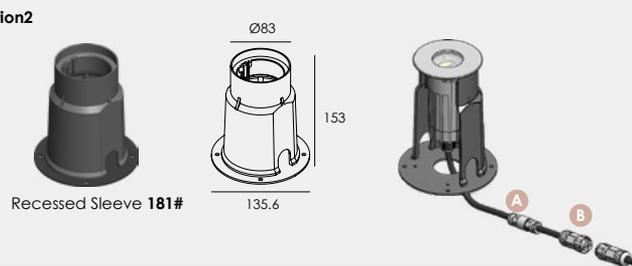
SLEEVE

Option1

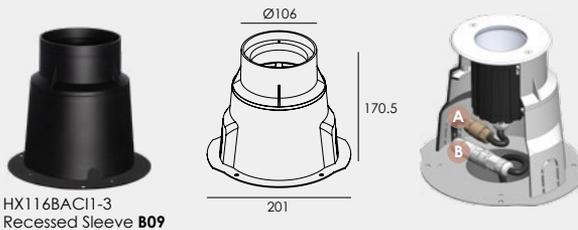


HX95BACI1-2
Recessed Sleeve **B08**

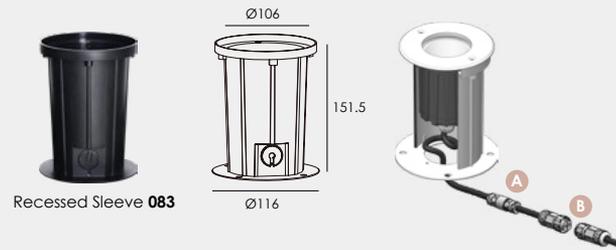
Option2



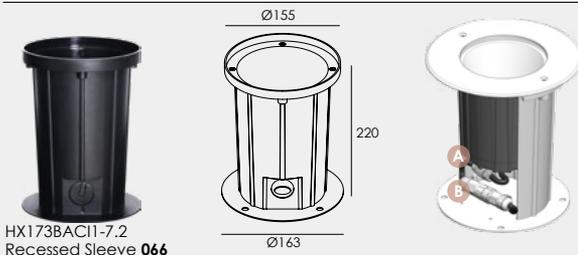
Recessed Sleeve **181#**



HX116BACI1-3
Recessed Sleeve **B09**



Recessed Sleeve **083**



HX173BACI1-7.2
Recessed Sleeve **066**

HOUSING

12# Die-casting aluminum dark grey powder coated
T=60-80µm Adhesion of ISO class 1/ATM class 4B

FRONT COVER

Hard chrome-plated stainless steel SUS 316L#

LIGHT WINDOW

HX95BACI1-2: Tempered step glass.T=6mm
HX116BACI1-3: Tempered step glass.T=8mm
HX173BACI1-7.2: Tempered step glass.T=8mm full

GLASS PRESSURE CAPACITY

HX95BACI1-2: Full Area=1,195kgs
HX116BACI1-3: Full Area=2,526kgs
HX173BACI1-7.2: Full Area=2,621kgs

CABLE GLAND

HX95BACI1-2: IP68 PG-9 PA66
HX116BACI1-3: IP68 PG-11 PA66
HX173BACI1-7.2: IP68 PG-11 PA66

GASKET

Silicon rubber molding shaped seal

LED DRIVER

Constant Voltage Input, Constant Current Output

OPERATING TEMPERATURE

-20°C~40°C

POWER CABLE

Outside of luminaire
HX95BACI1-2:
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
HX116BACI1-3, HX173BACI1-7.2:
12V/24V: H07RN-F 2×1.0mm², L=0.5m
120V/240V: H07RN-F 3×1.0mm², L=0.5m

DIMMING SUPPORT

Triac PWM Available
1-10V Dali Customized

RECESSED SLEEVE MATERIAL

PC/ABS ALLOYS

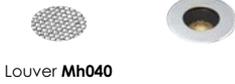
OPTICS

Referenced Degree(°)91/2

	B27	15°	25°	30°	
	B45	10°×60°	10°	20°	50°
	B87	9°	20°	30°	10°×38°
	B17	15°	20°	30°	45°

HONEYCOMB LOUVER (Option)

HX95BAC11-2



Louver Mh040

HX116BAC11-3



Louver Mh001

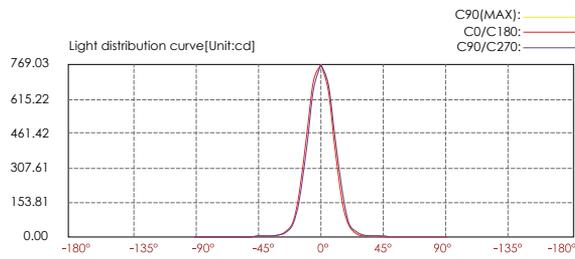
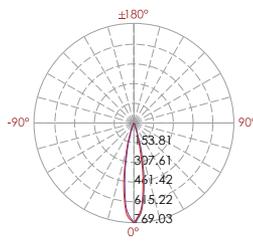
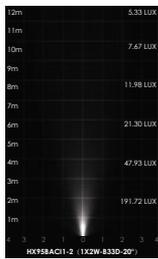
HX173BAC11-7.2



Louver Mh002

- Optional Accessory Honeycomb Louver.
- The measured luminous flux data does not contain the honeycomb, and the data containing is reduced 20 to 30%.

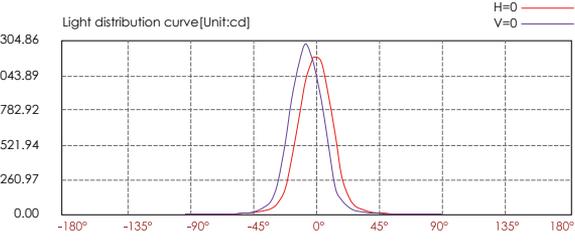
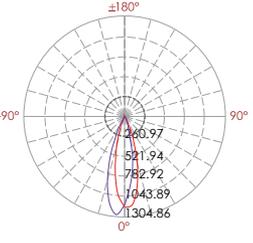
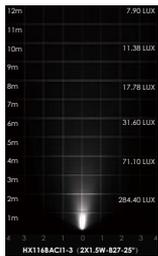
PHOTOMETRIC



Lux distance cure

Center beam LUX	Beam width	
	V	H
2m	191.72 LUX	0.8m 0.8m
4m	47.93 LUX	1.5m 1.5m
6m	21.30 LUX	2.3m 2.3m
8m	11.98 LUX	3.1m 3.1m
10m	7.67 LUX	3.8m 3.8m
12m	5.33 LUX	4.6m 4.6m

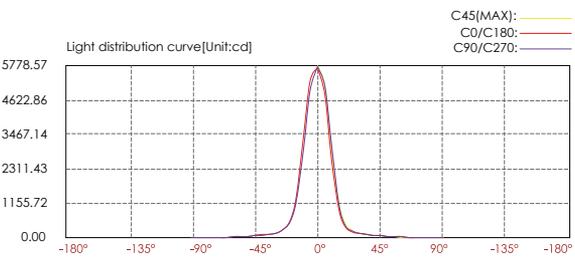
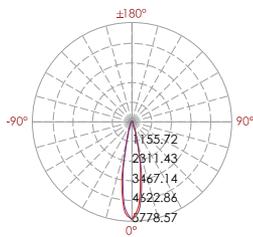
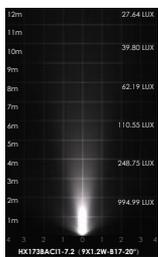
Ver.Spread:21.8 Horiz.Spread:21.8



Lux distance cure

Center beam LUX	Beam width	
	V	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



Lux distance cure

Center beam LUX	Beam width	
	V	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





ITEM
HX210BAC11-10.8

LIGHT SOURCE
9×1.2W OSRAM

LENS
B17

SELECTED DEGREE(°)Ø1/2
20°

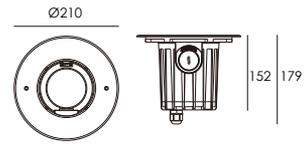
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=500 AC 120=112 AC 240=64

CONSUMPTION(W)
DC 24=12 AC 120=13.2 AC 240=13.2

LUMINANCE(LM)
CW=1090 WW=756

IK
10



ITEM
HX250BAC11-18

LIGHT SOURCE
12×1.5W OSRAM

LENS
B26, B27, B45

SELECTED DEGREE(°)Ø1/2
15°

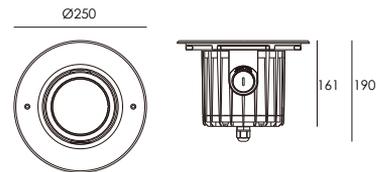
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=1020 AC 120=151 AC 240=82

CONSUMPTION(W)
DC 24=24.5 AC 120=18.2 AC 240=18.2

LUMINANCE(LM)
CW=1885 WW=1389

IK
10



ITEM
HX300BAC11G-26.4

LIGHT SOURCE
12×2.2W NICHIA

LENS
B26, B27, B45

SELECTED DEGREE(°)Ø1/2
15°

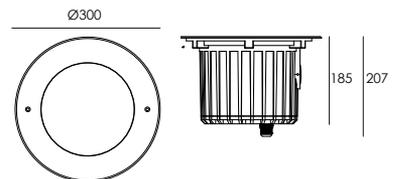
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=1150 AC 120=234 AC 240=125

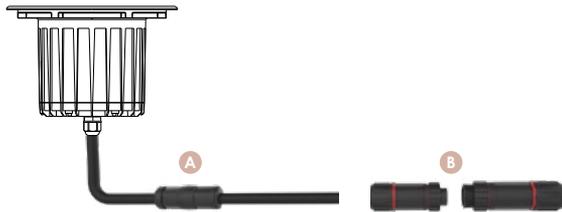
CONSUMPTION(W)
DC 24=27.6 AC 120=28 AC 240=28

LUMINANCE(LM)
WW=2392

IK
10



WATER PROOF SOLUTION



- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Option)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE(Included)



HOUSING	12# Die-casting aluminum dark grey powder coated T=60-80µm Adhesion of ISO class 1/ATM class 4B
FRONT COVER	Hard chrome-plated stainless steel SUS 316L#
LIGHT WINDOW	HX210BAC11-10.8: Tempered step glass.T=8mm HX250BAC11-18: Tempered step glass.T=10mm HX300BAC11-26.4: Tempered step glass.T=10mm
GLASS PRESSURE CAPACITY	HX210BAC11-10.8: Full Area=2,961kgs HX250BAC11-18: Full Area=5,513kgs HX300BAC11-26.4: Full Area=5,356kgs
CABLE GLAND	HX210BAC11-10.8: IP68 PG-11 PA66 HX250BAC11-18: IP68 PG-13.5 PA66 HX300BAC11-26.4: IP68 PG-13.5 PA66
GASKET	Silicon rubber molding shaped seal
LED DRIVER	Constant Voltage Input, Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	Outside of luminaire HX210BAC11-10.8: 12V/24V: H07RN-F 2×1.0mm², L=0.5m 120V/240V: H07RN-F 3×1.0mm², L=0.5m HX250BAC11-18, HX300BAC11-26.4: 12V/24V: H07RN-F 2×1.0mm², L=0.5m 120V/240V: H07RN-F 3×1.0mm², L=0.5m
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS

OPTICS		<u>Referenced Degree(°)θ1/2</u>			
 B17		15°	20°	30°	45°
 B26		8°			
 B27		15°	25°	30°	
 B45		10°×60°	10°	20°	50°

HONEYCOMB LOUVER (Option)

HX210BAC11-10.8



HX250BAC11-18

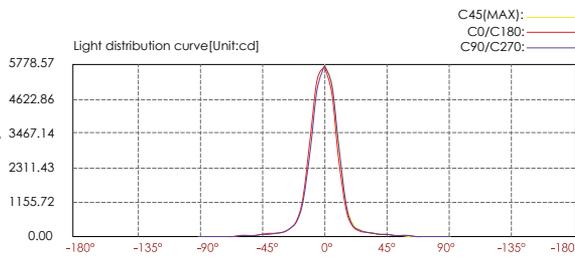
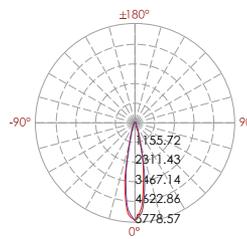
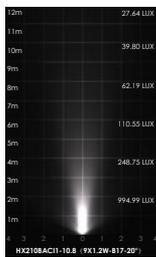


HX300BAC11-26.4



- Optional Accessory Honeycomb Louver.
- The measured luminous flux data does not contain the honeycomb, and the data containing is reduced 20 to 30%.

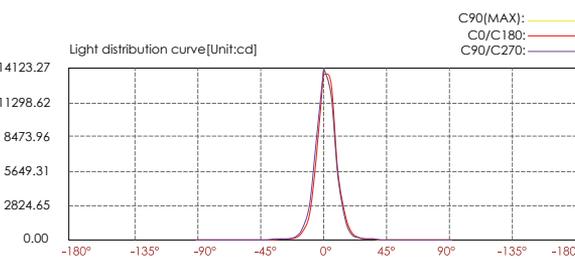
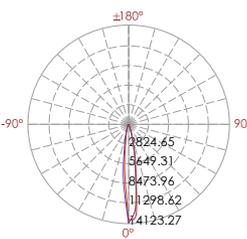
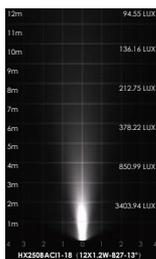
PHOTOMETRIC



Lux distance cure

Center beam LUX	Beam width	
	V	H
2m	0.7m	0.7m
4m	1.5m	1.5m
6m	2.2m	2.2m
8m	3.0m	2.9m
10m	3.7m	3.7m
12m	4.5m	4.4m

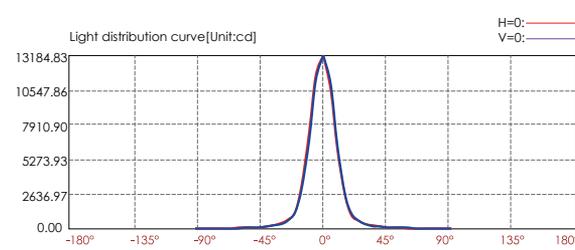
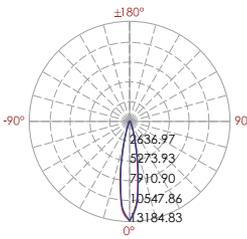
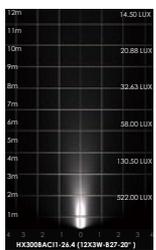
Ver.Spread:21.1 Horiz.Spread:20.8



Lux distance cure

Center beam LUX	Beam width	
	V	H
2m	0.5m	0.5m
4m	1.0m	1.0m
6m	1.5m	1.4m
8m	2.0m	1.9m
10m	2.6m	2.4m
12m	3.1m	2.9m

Ver.Spread:14.5 Horiz.Spread:13.7



Lux distance cure

Center Beam LUX	Beam Width	
	V	H
2m	0.7m	0.7m
4m	1.4m	1.4m
6m	2.1m	2.1m
8m	2.9m	2.8m
10m	3.6m	3.5m
12m	4.3m	4.2m

Verf.Spread:20.2 Horiz.Spread:19.9





ITEM
HX95BC11-5C

LIGHT SOURCE
1×5W COB

REFLECTOR
R7

SELECTED DEGREE(°)Ø1/2
24°

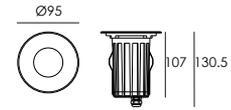
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=265 AC 120=48 AC 240=29

CONSUMPTION(W)
DC 24=6.3 AC 120=5.7 AC 240=5.8

LUMINANCE(LM)
CW=555 WW=441

IK
09



ITEM
HX116BC11-7C

LIGHT SOURCE
1×7W COB

REFLECTOR
R8

SELECTED DEGREE(°)Ø1/2
24°

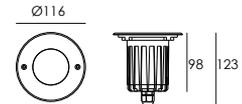
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=324 AC 120=72 AC 240=40

CONSUMPTION(W)
DC 24=7.7 AC 120=8.5 AC 240=8.5

LUMINANCE(LM)
CW=921 WW=744

IK
09



ITEM
HX173BC11-12C

LIGHT SOURCE
1×12W COB

REFLECTOR
R18

SELECTED DEGREE(°)Ø1/2
22°

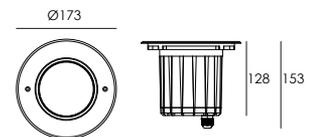
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=529 AC 120=102 AC 240=64

CONSUMPTION(W)
DC 24=12.7 AC 120=14 AC 240=14

LUMINANCE(LM)
CW=1436 WW=1389

IK
10



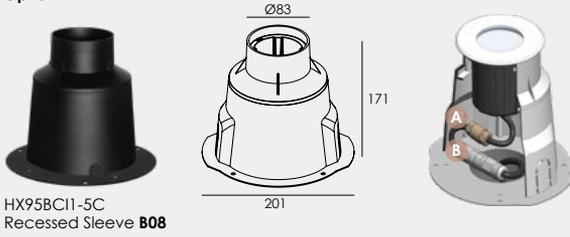
WATER PROOF SOLUTION



- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Optional)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

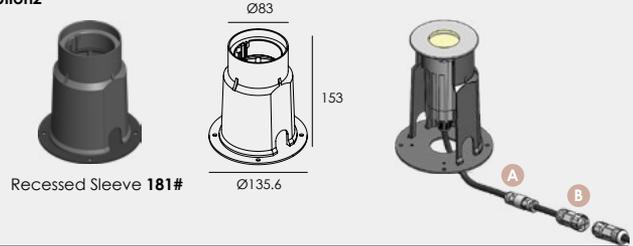
SLEEVE

Option1

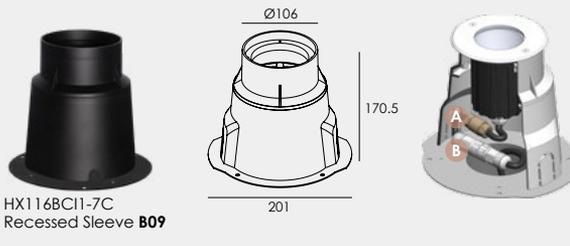


HX95BCI1-5C
Recessed Sleeve **B08**

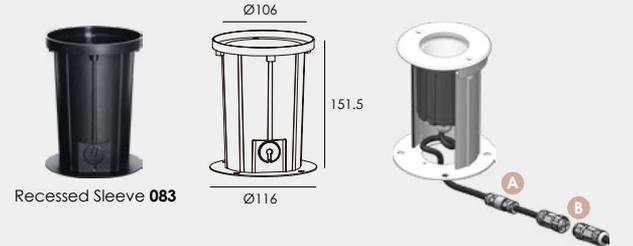
Option2



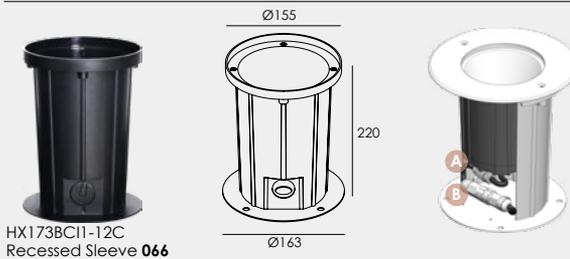
Recessed Sleeve **181#**



HX116BCI1-7C
Recessed Sleeve **B09**



Recessed Sleeve **083**



HX173BCI1-12C
Recessed Sleeve **066**

HOUSING	12# Die-casting aluminum dark grey powder coated T=60-80µm Adhesion of ISO class 1/ATM class 4B
FRONT COVER	Hard chrome-plated stainless steel SUS 316L#
LIGHT WINDOW	HX95BCI1-5C: Tempered step glass.T=6mm HX116BCI1-7C: Tempered step glass.T=8mm HX173BCI1-12C: Tempered step glass.T=8mm
REFLECTOR	OPTICS Reflector efficiency≥90%
LED	NICHIA COB
GLASS PRESSURE CAPACITY	HX95BCI1-5C: Full Area=1,195kgs HX116BCI1-7C: Full Area=2,526kgs HX173BCI1-12C: Full Area=2,621kgs
CABLE GLAND	HX95BCI1-5C: IP68 PG-9 PA66 HX116BCI1-7C, HX173BCI1-12C: IP68 PG-11 PA66
GASKET	Silicon rubber molding shaped seal
LED DRIVER	Constant Voltage Input, Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	Outside of luminaire HX95BCI1-5C: 12V/24V: H05RN-F 2×1.0mm², L=0.5m 120V/240V: H05RN-F 3×1.0mm², L=0.5m HX116BCI1-7C, HX173BCI1-12C: 12V/24V: H07RN-F 2×1.0mm², L=0.5m 120V/240V: H07RN-F 3×1.0mm², L=0.5m
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS

OPTICS Referenced Degree(°)91/2

	R7	18°	24°	32°	
	R8	15°	24°	38°	60°
	R18	15°	22°	35°	55°

HONEYCOMB LOUVER (Option)

HX95BC11-5C



Louver Mh005

HX116BC11-7C



Louver Mh006

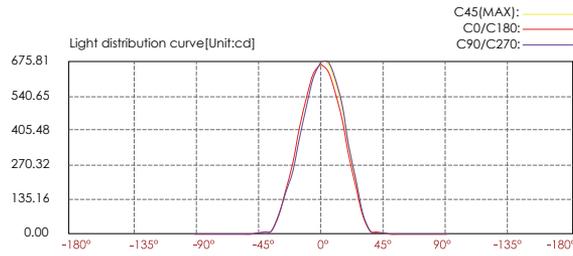
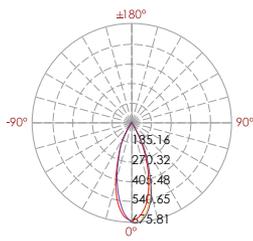
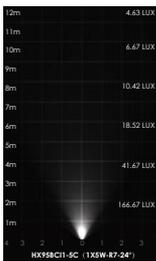
HX173BC11-12C



Louver Mh007

- Optional Accessory Honeycomb Louver.
- The measured luminous flux data does not contain the honeycomb, and the data containing is reduced 20 to 30%.

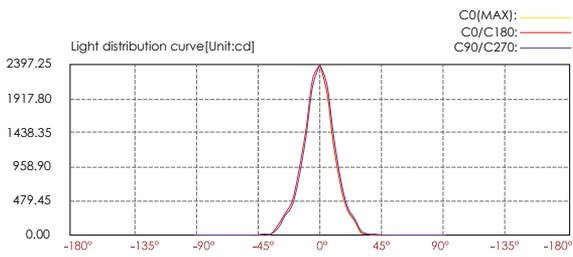
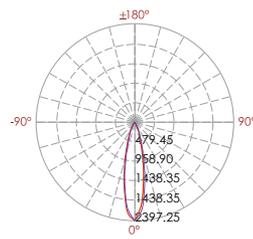
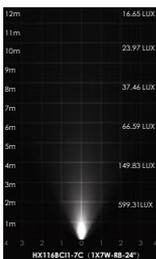
PHOTOMETRIC



Lux distance cure

Center beam LUX	Beam width	
	V	H
2m	1.3m	1.3m
4m	2.7m	2.7m
6m	4.0m	4.0m
8m	5.3m	5.3m
10m	6.7m	6.7m
12m	8.0m	8.0m

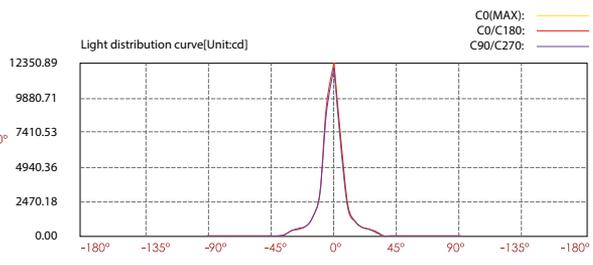
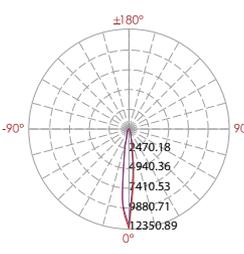
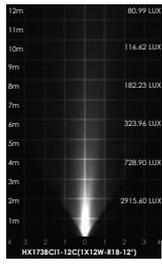
Ver.Spread:36.9 Horiz.Spread:36.9



Lux distance cure

Center beam LUX	Beam width	
	V	H
2m	0.8m	0.8m
4m	1.6m	1.6m
6m	2.5m	2.4m
8m	3.3m	3.2m
10m	4.1m	4.1m
12m	4.9m	4.9m

Ver.Spread:23.1 Horiz.Spread:23.0



Lux distance curve

Distance (m)	Illuminance at a distance	
	Center beam LUX	Beam width V H
2m	3087.72 LUX	0.4m 0.5m
4m	771.93 LUX	0.9m 0.9m
6m	343.08 LUX	1.3m 1.4m
8m	192.98 LUX	1.7m 1.8m
10m	123.51 LUX	2.2m 2.3m
12m	85.77 LUX	2.6m 2.8m

Ver.Spread:12.3 Horiz.Spread:13.1



ITEM
HX210BCI2-18C

LIGHT SOURCE
1×18W COB

REFLECTOR
R19

SELECTED DEGREE(°)Ø1/2
22°

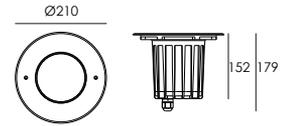
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=700 AC 120=160 AC 240=85

CONSUMPTION(W)
DC 24=17 AC 120=18.5 AC 240=18.5

LUMINANCE(LM)
CW=1834 WW=1760

IK
10



ITEM
HX250BCI2-25C

LIGHT SOURCE
1×25W COB

REFLECTOR
R16

SELECTED DEGREE(°)Ø1/2
12°

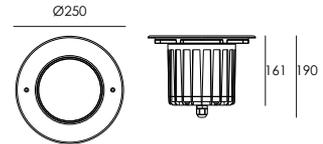
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=1158 AC 120=240 AC 240=124

CONSUMPTION(W)
DC 24=28 AC 120=28 AC 240=28

LUMINANCE(LM)
CW=3001 WW=2803

IK
10



ITEM
HX300BCI2-40C

LIGHT SOURCE
1×40W COB

REFLECTOR
R29

SELECTED DEGREE(°)Ø1/2
24°

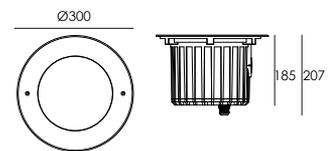
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=1870 AC 120=372 AC 240=187

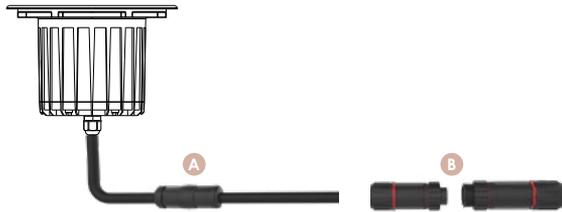
CONSUMPTION(W)
DC 24=45 AC 120=45 AC 240=44.5

LUMINANCE(LM)
CW=4425 WW=4097

IK
10



WATER PROOF SOLUTION

**A Water-Stopper(Included)**

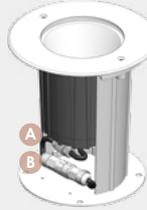
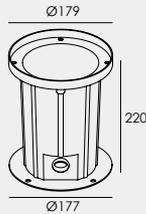
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.

B IP67 Jiffy quick plug/socket connector(Optional)

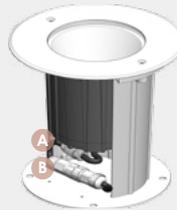
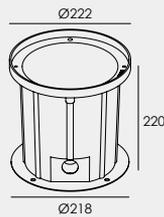
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE(Included)

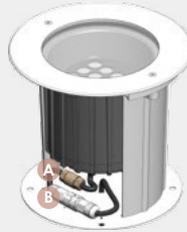
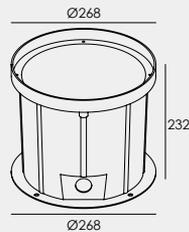
HX210BCI2-18C
Recessed Sleeve **067**



HX250BCI2-25C
Recessed Sleeve **068**



HX300BCI2-40C
Recessed Sleeve **106**

**HOUSING**

12# Die-casting aluminum dark grey powder coated T=60-80µm Adhesion of ISO class 1/ATM class 4B

FRONT COVER

Hard chrome-plated stainless steel SUS 316L#

LIGHT WINDOW

HX210BCI2-18C: Tempered step glass.T=8mm
HX250BCI2-25C: Tempered step glass=10mm
HX300BCI2-40C: Tempered step glass.T=10mm
OPTICS Reflector efficiency≥90%

REFLECTOR**LED**

NICHIA COB

GLASS PRESSURE CAPACITY

HX210BCI2-18C: Full Area=2,940kgs
HX250BCI2-25C: Full Area=5,513kgs
HX300BCI2-40C: Full Area=5,356kgs

CABLE GLAND

HX210BCI2-18C: IP68 PG-11 PA66
HX250BCI2-25C: IP68 PG-13.5 PA66
HX300BCI2-40C: IP68 PG-13.5 PA66

GASKET

Silicon rubber molding shaped seal

LED DRIVER

Constant Voltage Input, Constant Current Output
-20°C~40°C

OPERATING TEMPERATURE

Outside of luminaire

POWER CABLE

HX210BCIF1G-18:
12V/24V: H07RN-F 2×1.0mm², L=0.5m
120V/240V: H07RN-F 3×1.0mm², L=0.5m
HX250BCIF1G-25, HX300BCIF1G-40:
2V/24V: H07RN-F 2×1.0mm², L=0.5m
120V/240V: H07RN-F 3×1.0mm², L=0.5m

DIMMING SUPPORT

Triac PWM Available
1-10V Dali Customized

RECESSED SLEEVE MATERIAL

PC/ABS ALLOYS

OPTICS

Referenced Degree(°)91/2



R19

10°

22°

38°



R16

12°

25°

38°



R29

8°

24°

38°

HONEYCOMB LOUVER (Option)

HX210BCI2-18C



HX250BCI2-25C

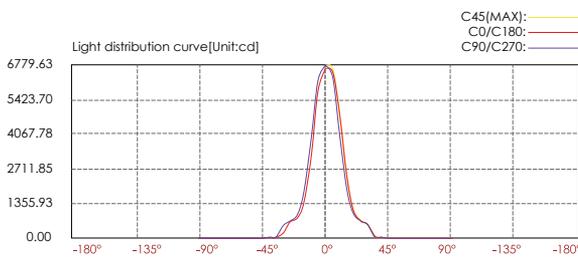
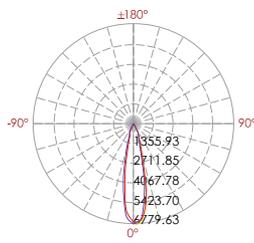
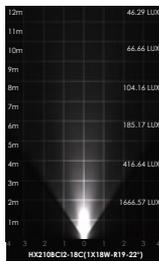


HX300BCI2-40C



- Optional Accessory Honeycomb Louver.
- The measured luminous flux data does not contain the honeycomb, and the data containing is reduced 20 to 30%.

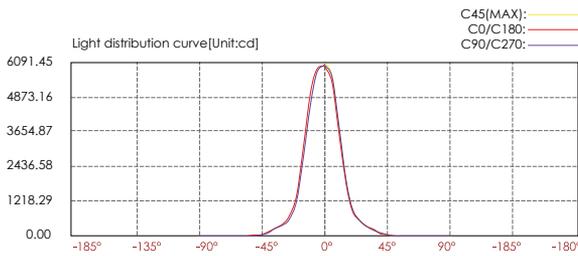
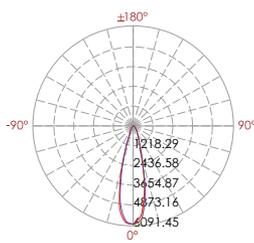
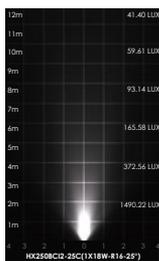
PHOTOMETRIC



Lux distance cure

	Center beam LUX		Beam width	
	V	H	V	H
2m	1666.57 LUX		0.8m	0.8m
4m	416.64 LUX		1.6m	1.6m
6m	182.17 LUX		2.4m	2.4m
8m	104.16 LUX		3.3m	3.2m
10m	66.66 LUX		4.1m	4.0m
12m	46.29 LUX		4.9m	4.8m

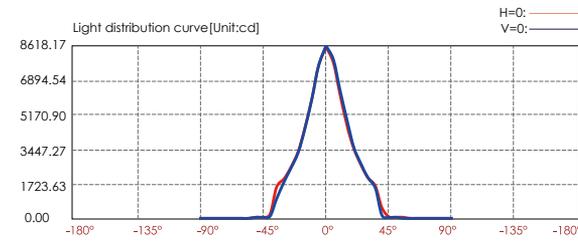
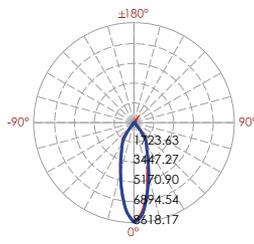
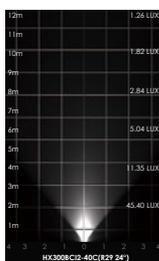
Ver.Spread:23.0 Horiz.Spread:22.8



Lux distance cure

	Center beam LUX		Beam width	
	V	H	V	H
2m	1490.22 LUX		0.9m	1.0m
4m	372.56 LUX		1.9m	1.9m
6m	165.58 LUX		2.8m	2.9m
8m	93.14 LUX		3.8m	3.8m
10m	59.61 LUX		4.7m	4.8m
12m	41.40 LUX		5.7m	2.7m

Ver.Spread:26.5 Horiz.Spread:26.9



Lux distance cure

	Center Beam LUX		Beam Width	
	V	H	V	H
2m	2139.95 LUX		1.1m	1.2m
4m	534.99 LUX		2.3m	2.3m
6m	237.77 LUX		3.4m	3.5m
8m	133.75 LUX		4.5m	4.6m
10m	85.60 LUX		5.7m	5.8m
12m	59.44 LUX		6.8m	6.9m

Ver.Spread:31.7 Horiz.Spread:32.3





ITEM
HX116BCI3-6

LIGHT SOURCE
3×2W

LENS
FB03

SELECTED DEGREE(°)Ø1/2
20°

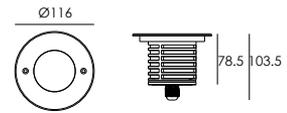
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=206 AC 120=51 AC 240=30

CONSUMPTION(W)
DC 24=5.2 AC 120=6.0 AC 240=6.0

LUMINANCE(LM)
CW=479 WW=445

IK
08



ITEM
HX173BCI3-12

LIGHT SOURCE
6×2W

LENS
FB06

SELECTED DEGREE(°)Ø1/2
20°

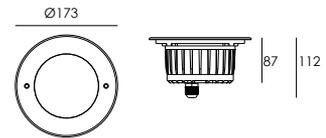
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=560 AC 120=100 AC 240=56

CONSUMPTION(W)
DC 24=13.5 AC 120=11.8 AC 240=12.4

LUMINANCE(LM)
CW=956 WW=995

IK
07



ITEM
HX200BCI3-18

LIGHT SOURCE
6×3W

LENS
FB06

SELECTED DEGREE(°)Ø1/2
20°

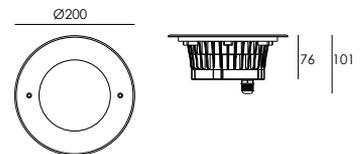
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=850 AC 120=156 AC 240=84

CONSUMPTION(W)
DC 24=20.4 AC 120=18.6 AC 240=18.8

LUMINANCE(LM)
CW=1866 WW=1605

IK
07

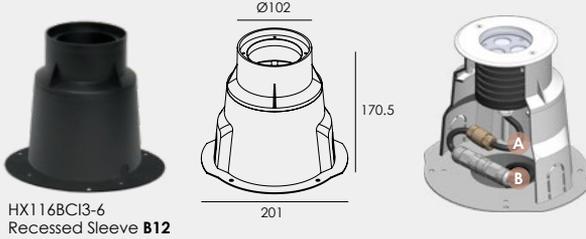


WATER PROOF SOLUTION

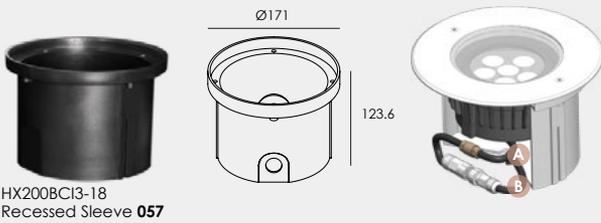
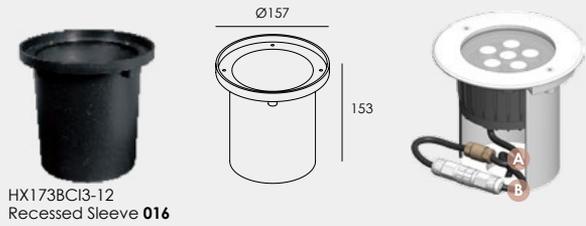
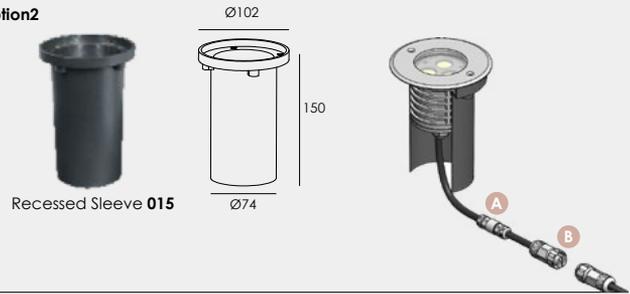


- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Optional)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE
Option1



Option2



HOUSING	12# Die-casting aluminum dark grey powder coated aluminum T=60-80µm.
FRONT RING	Hard chromeplated Stainless steel SUS 316L#
LIGHT WINDOW	Tempered step glass.T=8mm
CABLE GLAND	HX116BCI3-6: IP68 PG-9 PA66 HX173BCI3-12, HX200BCI3-18: IP68 PG-11 PA66
LED	HX116BCI3-6, HX173BCI3-12: OSRAM HX200BCI3-18: NICHIA
PCB	Excellent heat conductivity aluminum coefficient of heat Conductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input, Constant Current Output
LENS	OPTICS Reflector efficiency≥85%
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	Outside of luminaire HX116BCI3-6: 12V/24V: H05RN-F 2×1.0mm², L=0.5m 120V/240V: H05RN-F 3×1.0mm², L=0.5m HX173BCI3-12, HX200BCI3-18: 2V/24V: H07RN-F 2×1.0mm², L=0.5m 120V/240V: H07RN-F 3×1.0mm², L=0.5m
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS
GLASS PRESSURE CAPACITY	HX116BCI3-6: 2.578kgs HX173BCI3-12: 2.274kgs HX200BCI3-18: 3.489kgs
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
IP	IP67

OPTICS Referenced Degree(°)91/2

	FB03	9°	15°	20°	30°	45°	60°
	FB06	9°	15°	20°	30°	45°	60°

HONEYCOMB LOUVER (Option)

HX116BCI3-6



HX173BCI3-12

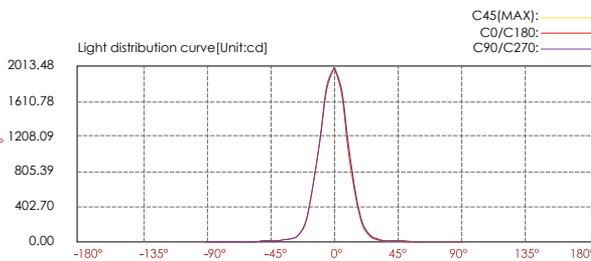
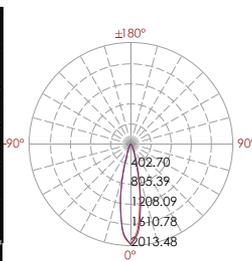
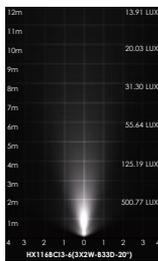


HX200BCI3-18



- Optional Accessory Honeycomb Louver.
- The measured luminous flux data does not contain the honeycomb, and the data containing is reduced 20 to 30%.

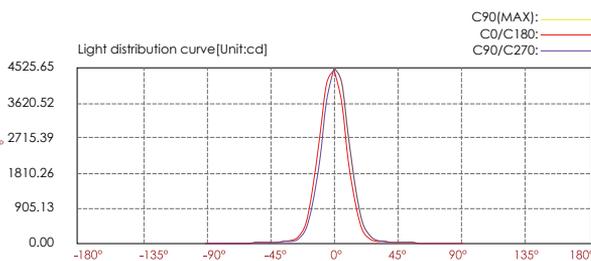
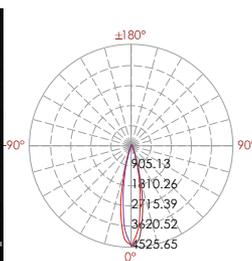
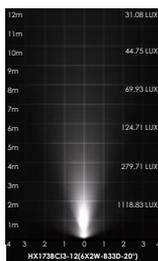
PHOTOMETRIC



Light distance cure

Center beam LUX	Beam width	
	V	H
2m	500.77 LUX	0.8m 0.8m
4m	125.19 LUX	1.6m 1.5m
6m	55.64 LUX	2.4m 2.3m
8m	31.30 LUX	3.2m 3.1m
10m	20.03 LUX	4.0m 3.8m
12m	13.91 LUX	4.7m 4.6m

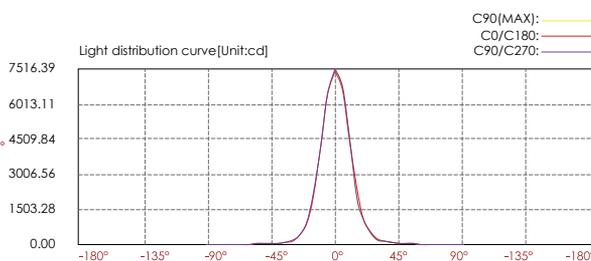
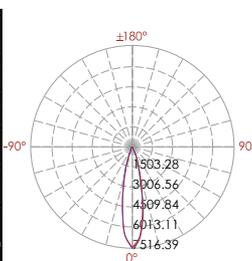
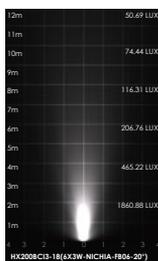
Ver.Spread:22.4 Horiz.Spread:21.8



Light distance cure

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



Light distance cure

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





ITEM
HX116BCI3-6E

LIGHT SOURCE
3×2W

LENS
FC02

SELECTED DEGREE(°)Ø1/2
45°/35°

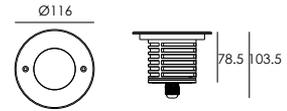
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=206 AC 120=51 AC 240=30

CONSUMPTION(W)
DC 24=5.2 AC 120=6.0 AC 240=6.0

LUMINANCE(LM)
CW=398 WW=359

IK
08



ITEM
HX173BCI3-12E

LIGHT SOURCE
6×2W

LENS
FC04

SELECTED DEGREE(°)Ø1/2
45°/35°

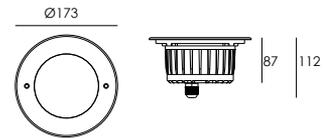
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=560 AC 120=100 AC 240=56

CONSUMPTION(W)
DC 24=13.5 AC 120=11.8 AC 240=12.4

LUMINANCE(LM)
CW=944 WW=880

IK
07



ITEM
HX200BCI3-18E

LIGHT SOURCE
6×3W

LENS
FC04

SELECTED DEGREE(°)Ø1/2
45°/35°

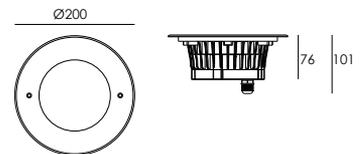
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=850 AC 120=156 AC 240=84

CONSUMPTION(W)
DC 24=20.4 AC 120=18.6 AC 240=18.8

LUMINANCE(LM)
CW=1543 WW=1307

IK
09



WATER PROOF SOLUTION

**A Water-Stopper(Included)**

A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.

B IP67 Jiffy quick plug/socket connector(Optional)

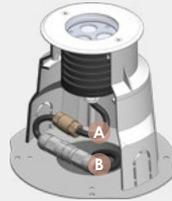
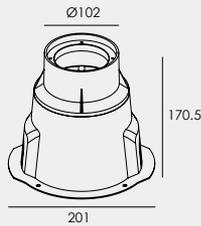
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE

Option1



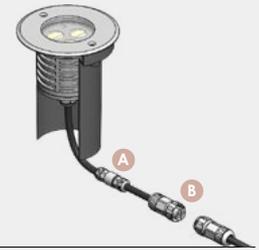
HX116BCI3-6E
Recessed Sleeve **B12**



Option2



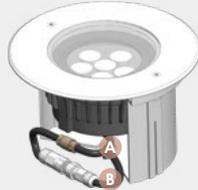
Recessed Sleeve **015**



HX173BCI3-12E
Recessed Sleeve **016**



HX200BCI3-18E
Recessed Sleeve **057**



HOUSING	12# Die-casting aluminum dark grey powder coated T=60-80µm
FRONT RING	Hard chromeplated Stainless steel SUS 316L#
LIGHT WINDOW	Tempered step glass.T=8mm
CABLE GLAND	HX116BCI3-6E: IP68 PG-9 PA66 HX173BCI3-12E, HX200BCI3-18E: IP68 PG-11 PA66
LED	HX116BCI3-6E, HX173BCI3-12E: OSRAM HX200BCI3-18E: NICHIA
PCB	Excellent heat conductivity aluminum coefficient of heat Conductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input, Constant Current Output
LENS	OPTICS Reflector efficiency≥85%
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	Outside of luminaire HX116BCI3-6E: 12V/24V: H05RN-F 2×1.0mm ² , L=0.5m 120V/240V: H05RN-F 3×1.0mm ² , L=0.5m HX173BCI3-12E, HX200BCI3-18E: 2V/24V: H07RN-F 2×1.0mm ² , L=0.5m 120V/240V: H07RN-F 3×1.0mm ² , L=0.5m
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS
GLASS PRESSURE CAPACITY	HX116BCI3-6E: 2,578kgs HX173BCI3-12E: 2,274kgs HX200BCI3-18E: 3,489kgs
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
IP	IP67

OPTICS

Referenced Degree(°)91/2



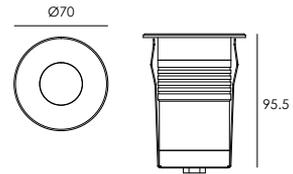
FC02 45°/35°



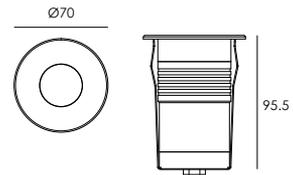
FC04 45°/35°



ITEM	HX70BC14-5C
LIGHT SOURCE	1×5W COB
LENS	B71
SELECTED DEGREE(°)Ø1/2	24°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=265 AC 120=48 AC 240=29
CONSUMPTION(W)	DC 24=6.3 AC 120=5.7 AC 240=5.8
LUMINANCE(LM)	493
IK	08



ITEM	HX70BC14-5AC
LIGHT SOURCE	1×5W COB
REFLECTOR	R7
SELECTED DEGREE(°)Ø1/2	24°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=265 AC 120=48 AC 240=29
CONSUMPTION(W)	DC 24=6.3 AC 120=5.7 AC 240=5.8
LUMINANCE(LM)	CW=506 WW=442
IK	08



WATER PROOF SOLUTION



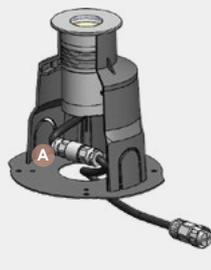
- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Option)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE

Option1



Option2



FRONT COVER	316# stainless steel forged molding with hard chromeplated
HOUSING	1070# grey powder coated aluminum forged molding T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered step glass.T=8mm
GASKET	Silicon rubber molding shaped seal
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm², L=0.5m 120V/240V: H05RN-F 3×1.0mm², L=0.5m
CABLE GLAND	IP67 Copper and nicked coated
LED TYPE	Nichia COB
LED DRIVER	Constant Voltage Input, Constant Current Output
LENS	
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS
GLASS PRESSURE CAPACITY	Full area=783kgs
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
IP	IP67
OPERATING TEMPERATURE	-20°C~40°C

OPTICS Referenced Degree(°)θ1/2

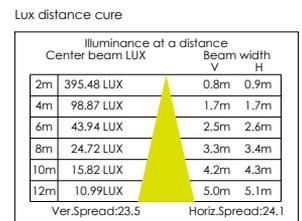
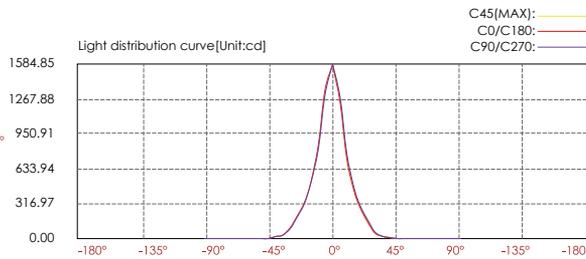
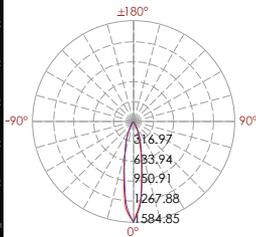
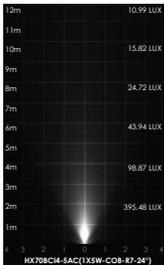
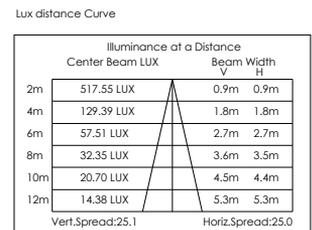
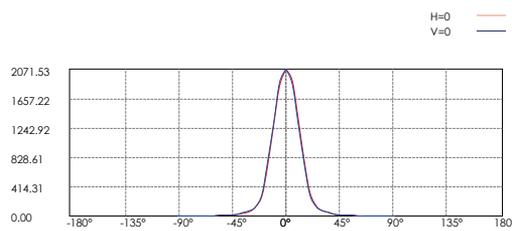
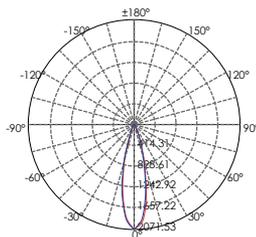
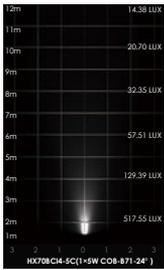
	B71	15°	45°	60°
	R7	18°	24°	32°

HONEYCOMB LOUVER (Option)



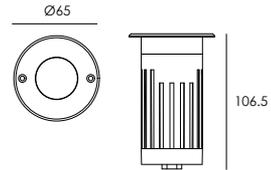
- Optional Accessory Honeycomb Louver.
- The measured luminous flux data does not contain the honeycomb, and the data containing is reduced 20 to 30%.

PHOTOMETRIC

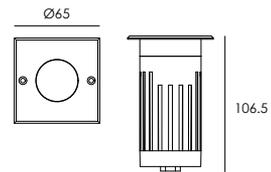




ITEM	HX65BC14-3
LIGHT SOURCE	1×3W
LENS	B73
SELECTED DEGREE(°)Ø1/2	30°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=187 AC 120=45 AC 240=26
CONSUMPTION(W)	DC 24=4.5 AC 120=5.3 AC 240=5.4
LUMINANCE(LM)	CW=305 WW=267



ITEM	HX65BS14-3
LIGHT SOURCE	1×3W
LENS	B73
SELECTED DEGREE(°)Ø1/2	30°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=187 AC 120=45 AC 240=26
CONSUMPTION(W)	DC 24=4.5 AC 120=5.3 AC 240=5.4
LUMINANCE(LM)	CW=305 WW=267

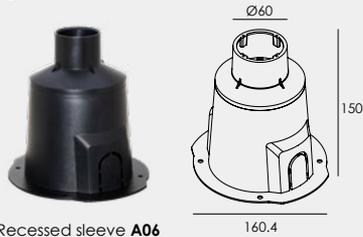


WATER PROOF SOLUTION



- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Optional)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE
Option1

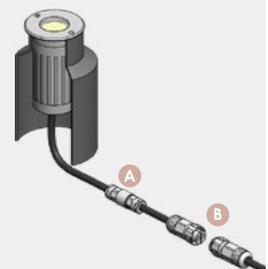
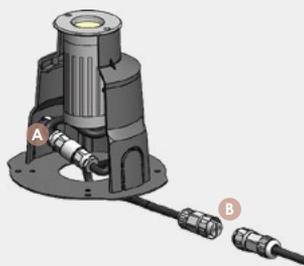


Recessed sleeve A06

Option2



Recessed sleeve 014#



FRONT COVER	316# stainless steel forged molding with hard chromeplated
HOUSING	1070# grey powder coated aluminum forged molding T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered step glass.T=5mm
GASKET	Silicon rubber molding shaped seal
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm², L=0.5m 120V/240V: H05RN-F 3×1.0mm², L=0.5m
CABLE GLAND	IP67 Copper and nicked coated
LED TYPE	Nichia
LED DRIVER	Constant Voltage Input, Constant Current Output
LENS	
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS
GLASS PRESSURE CAPACITY	Full area=783kgs
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
IP	IP67
IK	08
OPERATING TEMPERATURE	-20°C~40°C

OPTICS		Referenced Degree(°)θ1/2				
	B33	9°	15°	20°	45°	60°
	B73	30°				

HONEYCOMB LOUVER (Option)

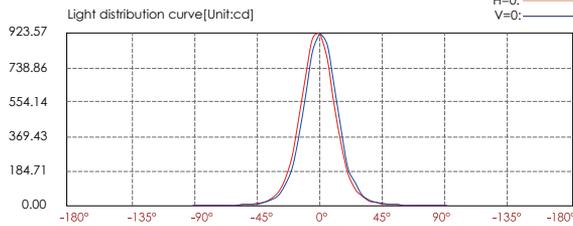
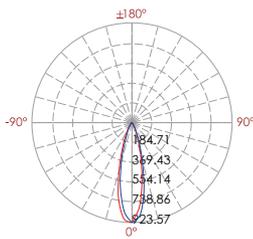
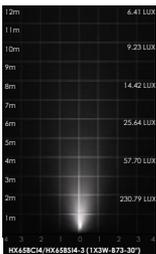


Louver **Mh014**



- Optional Accessory Honeycomb Louver.
- The measured luminous flux data does not contain the honeycomb, and the data containing is reduced 20 to 30%.

PHOTOMETRIC



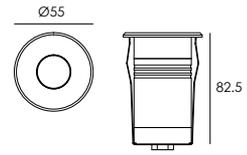
Lux distance cure

Center beam LUX	Beam width	
	V	H
230.79 LUX	0.9m	0.9m
57.70 LUX	1.9m	1.9m
25.64 LUX	2.8m	2.8m
14.42 LUX	3.8m	3.8m
9.23 LUX	4.7m	4.7m
6.41 LUX	5.7m	5.6m

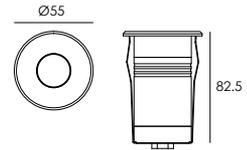
Ver.Spread:26.7 Horiz.Spread:26.5



ITEM	HX558C15-2
LIGHT SOURCE	1×2W
LENS	B73
SELECTED DEGREE(°)Ø1/2	30°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=105 AC 120=47 AC 240=28
CONSUMPTION(W)	DC 24=2.5 AC 120=3.0 AC 240=3.1
LUMINANCE(LM)	CW=183 WW=143
IK	08



ITEM	HX558C115-2A
LIGHT SOURCE	1×2W
LENS	C9
SELECTED DEGREE(°)Ø1/2	45°/35°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=105 AC 120=47 AC 240=28
CONSUMPTION(W)	DC 24=2.5 AC 120=3.0 AC 240=3.1
LUMINANCE(LM)	CW=158 WW=130



WATER PROOF SOLUTION

Water proof solution



- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Option)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE
Option1



Recessed sleeve **A08**

Option2



Recessed Sleeve **185#**

FRONT COVER	316# stainless steel forged molding with hard chrome plated
HOUSING	6063# dark grey powder coated T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered step glass.T=8mm
GASKET	Silicon rubber molding shaped seal
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm², L=0.5m 120V/240V: H05RN-F 3×1.0mm², L=0.5m
CABLE GLAND	IP67 Copper and nicked coated
LED TYPE	OSRAM
LED DRIVER	Constant Voltage Input, Constant Current Output
LENS	
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS
GLASS PRESSURE CAPACITY	Full area=1.704kgs
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
IP	IP67
IK	08
OPERATING TEMPERATURE	-20°C~40°C

OPTICS Referenced Degree(°)θ1/2

	B33	9°	15°	20°	45°	60°
	B73	30°				
	C9	45°/35°				

HONEYCOMB LOUVER (Option)

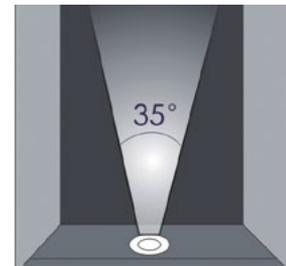


Louver Mh021

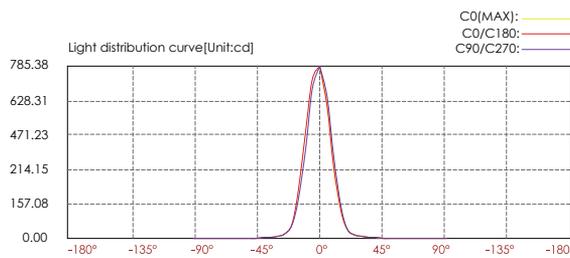
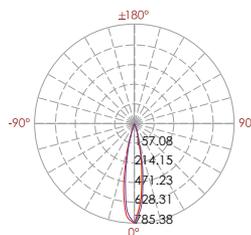
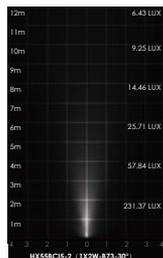


- Fitted Item HX55BC1G-2
- Optional Accessory Honeycomb Louver.
- The measured luminous flux data does not contain the honeycomb, and the data containing is reduced 20 to 30%.

IMPRESSION DRAWING OF HX55BC1G-2A



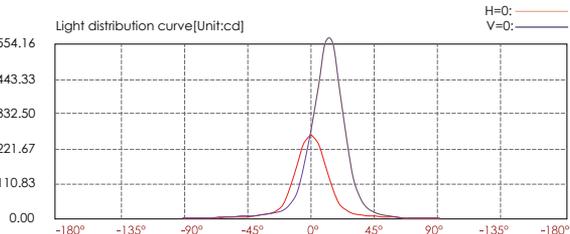
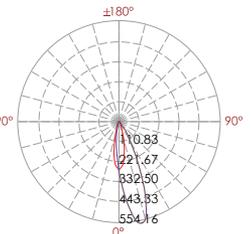
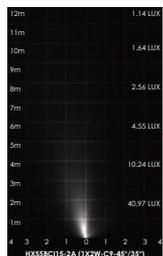
PHOTOMETRIC



Lux distance curve

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



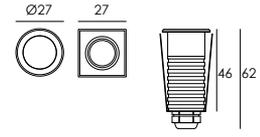
Lux distance curve

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	1.14 LUX	3.5m 4.2m

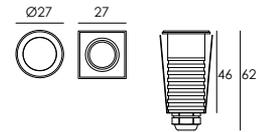
Ver.Spread:16.4 Horiz.Spread:20.0



ITEM	HX27BCI6-1.5/ HX27BSI6-1.5
LIGHT SOURCE	1×1.5W
LENS	B15
SELECTED DEGREE(°)Ø1/2	20°
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	83
CONSUMPTION(W)	2
LUMINANCE(LM)	136



ITEM	HX27BCI6-0.5 / HX27BSI6-0.5
LIGHT SOURCE	1×0.5W
SELECTED DEGREE(°)Ø1/2	70°
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	26
CONSUMPTION(W)	0.62
LUMINANCE(LM)	23



WATER PROOF SOLUTION



- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Optional)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

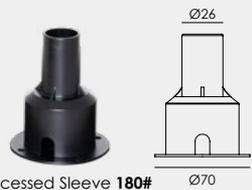
SLEEVE (Included)

Option1

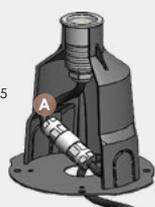


Recessed Sleeve 114#

Option2



Recessed Sleeve 180#



B



A

B

FRONT COVER	Hard chromeplated stainless steel SUS 316#
HOUSING	Aluminum anodized
LIGHT WINDOW	Tempered glass.T=2mm
GASKET	Silicon rubber molding shaped seal
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm ² , L=0.3m
CABLE GLAND	IP67 Nickel coated copper
LED TYPE	HX27BCI6-1.5, HX27BSI6-1.5: OSRAM HX27BCI6-0.5, HX27BSI6-0.5: SEOUL Constant
LED DRIVER	Current Input
LENS	OPTICS lens.efficiency≥85%
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
IP	IP67
IK	02
OPERATING TEMPERATURE	-20°C~40°C

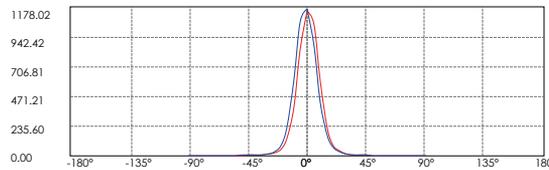
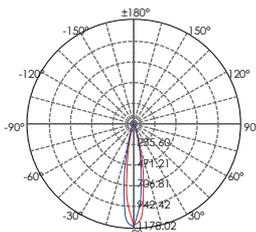
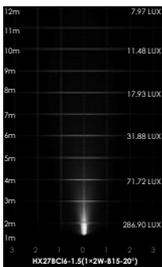
OPTICS Referenced Degree(°)91/2



LIGHTING DEMO



PHOTOMETRIC



Lux distance Curve

Distance (m)	Illuminance at a Distance		Beam Width	
	Center Beam LUX	Beam Width V	H	H
2m	286.90 LUX	0.6m	0.7m	
4m	71.72 LUX	1.3m	1.3m	
6m	31.88 LUX	1.9m	2.0m	
8m	17.93 LUX	2.5m	2.6m	
10m	11.48 LUX	3.2m	3.3m	
12m	7.97 LUX	3.8m	3.9m	

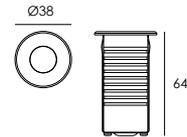
Vert.Spread:18.0 Horiz.Spread:18.6



ITEM	HX38BC16-1.5
LIGHT SOURCE	1×1.5W OSRAM
LENS	B15
SELECTED DEGREE(°)Ø1/2	15°
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	88
CONSUMPTION(W)	2.1
LUMINANCE(LM)	145



ITEM	HX38BC16-0.5
LIGHT SOURCE	1×0.5W NICHIA
SELECTED DEGREE(°)Ø1/2	65°
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	26
CONSUMPTION(W)	0.6
LUMINANCE(LM)	31



WATER PROOF SOLUTION



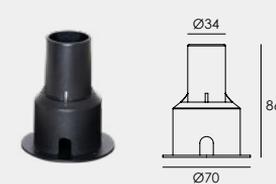
A IP67 Jiffy quick plug/socket connector(Option)
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE
Option1

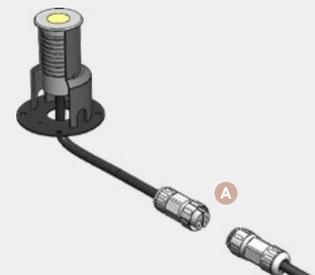


Recessed sleeve **A04**

Option2



Recessed Sleeve **183#**



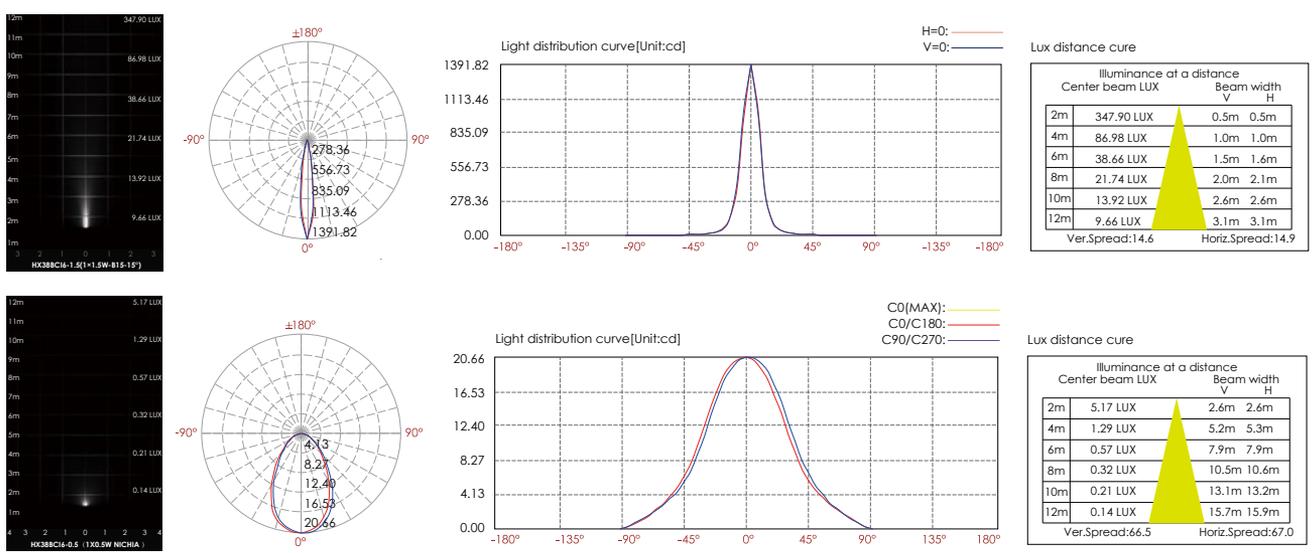
A

FRONT COVER	316# stainless steel forged molding with hard chromeplated
HOUSING	6063# grey powder coated aluminum T=60-80µm Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered step glass,T=4mm
GASKET	Silicon rubber molding shaped seal
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm², L=0.5m
CABLE GLAND	IP67 Nickel coated copper
LED DRIVER	Constant Current Input
LENS	PMMA
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS
GLASS PRESSURE CAPACITY	Full area=254kgs
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
IP	IP67
IK	03
OPERATING TEMPERATURE	-20°C~40°C

OPTICS Referenced Degree(°)9|/2

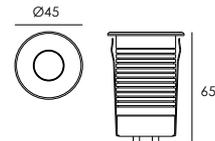


PHOTOMETRIC

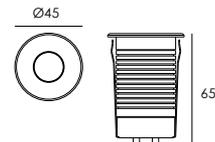




ITEM	HX45BC16-2
LIGHT SOURCE	1×2W OSRAM
LENS	B27
SELECTED DEGREE(°)Ø1/2	13°
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	110
CONSUMPTION(W)	2.5
LUMINANCE(LM)	147



ITEM	HX45BC16-0.5
LIGHT SOURCE	1×0.5W NICHIA
SELECTED DEGREE(°)Ø1/2	60°
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	26
CONSUMPTION(W)	0.6
LUMINANCE(LM)	23

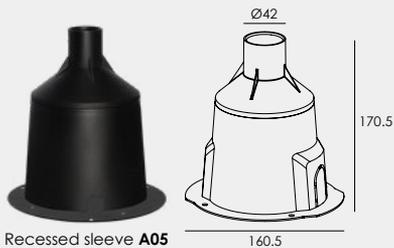


WATER PROOF SOLUTION

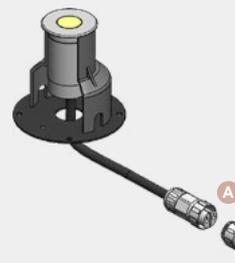
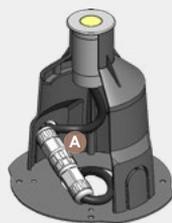


A IP67 Jiffy quick plug/socket connector(Option)
 A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE
Option1



Option2

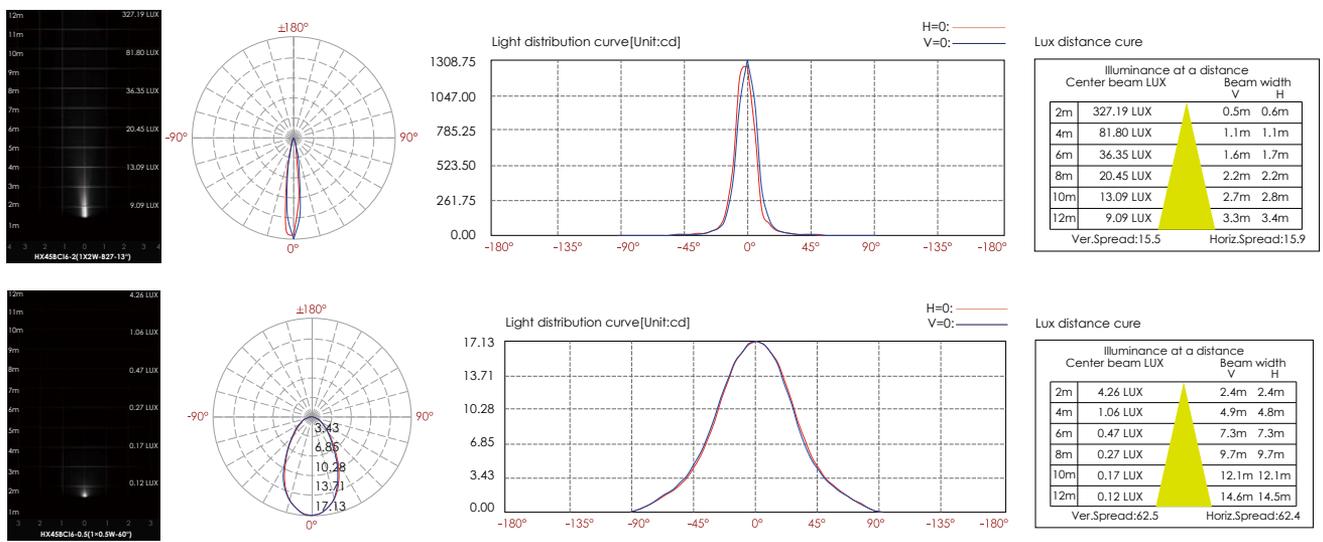


FRONT COVER	316# stainless steel forged molding with hard chromeplated
HOUSING	6063# grey powder coated aluminum T=60-80µm Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered step glass,T=4mm
GASKET	Silicon rubber molding shaped seal
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm ² , L=0.5m
CABLE GLAND	IP67 Nickel coated copper
LED DRIVER	Constant Current Input
LENS	PMMA
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS
GLASS PRESSURE CAPACITY	Full area=254kgs
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
IP	IP67
IK	03
OPERATING TEMPERATURE	-20°C~40°C

OPTICS Referenced Degree(°)θ1/2

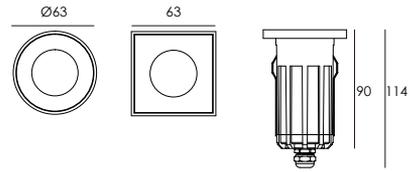
	B27	13°	25°	30°
	B26	8°	13°	

PHOTOMETRIC





ITEM	HX63BCI7-5 / HX63BSI7-5
LIGHT SOURCE	1×5W COB NICHIA
REFLECTOR	R7
SELECTED DEGREE(°)θ1/2	24°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=265 AC 120=48 AC 240=29
CONSUMPTION(W)	DC 24=6.3 AC 120=5.7 AC 240=5.8
LUMINANCE(LM)	CW=553 WW=490
IK	06



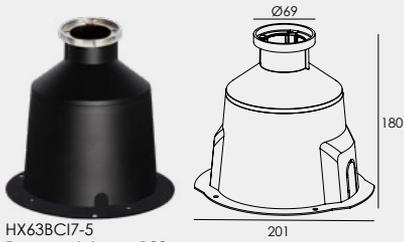
WATER PROOF SOLUTION



- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Option)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

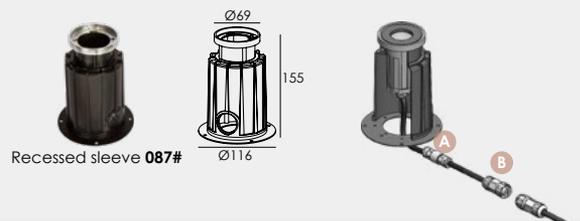
SLEEVE

Option1

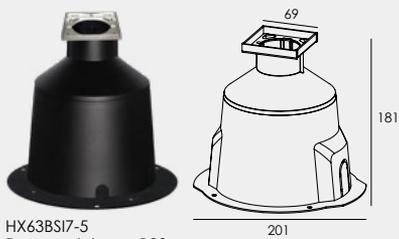


HX63BCI7-5
Recessed sleeve **B02**

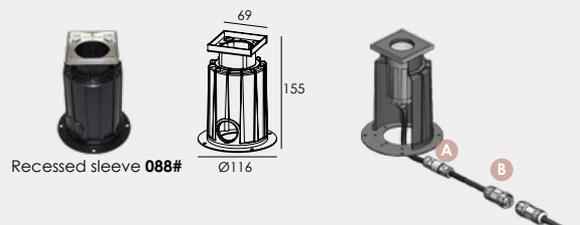
Option2



Recessed sleeve **087#**



HX63BSI7-5
Recessed sleeve **B03**



Recessed sleeve **088#**

HOUSING	12# Die-casting aluminum grey powder coated T=60-80µm,Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered step glass,T=4mm
GLASS PRESSURE CAPACITY	Full area=1,960kgs
REFLECTOR	
GASKET	Molding shaped silicone seal
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20°C ~40°C
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm², L=0.5m 120V/240V: H05RN-F 3×1.0mm², L=0.5m
RECESSED SLEEVE	PC/ABS ALLOYS
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
IP	IP67
OPERATING TEMPERATURE	-20°C~40°C

OPTICS Referenced Degree(°)91/2



R7

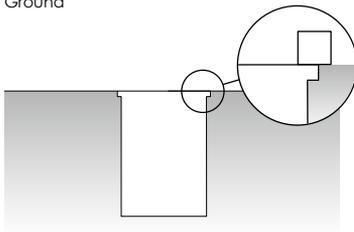
18°

24°

32°

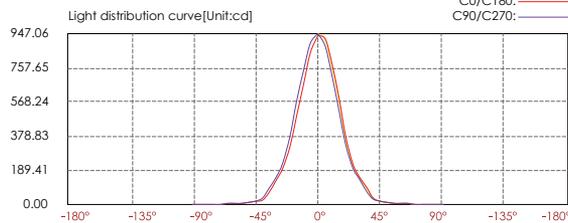
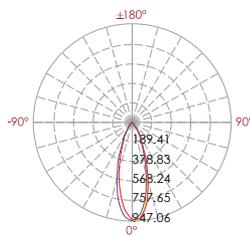
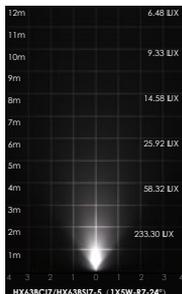
Figure A

Ground



•After installatio e's sur are on the same level.

PHOTOMETRIC



Lux distance cure

Center beam LUX	Beam width V	H
2m 233.30 LUX	1.2m	1.2m
4m 58.32 LUX	2.4m	2.4m
6m 25.92 LUX	3.6m	3.6m
8m 14.58 LUX	4.9m	4.8m
10m 9.33 LUX	6.1m	6.0m
12m 6.48 LUX	7.3m	7.2m

Ver.Spread:33.8 Horiz.Spread:33.3



ITEM
HX95BCI7-6 / HX95BSI7-6

LIGHT SOURCE
1x6W COB NICHIA

REFLECTOR
R8

SELECTED DEGREE(°)Ø1/2
24°

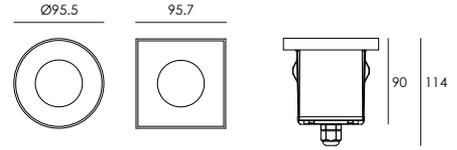
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=320 AC 120=72 AC 240=40

CONSUMPTION(W)
DC 24=7.7 AC 120=8.8 AC 240=8.5

LUMINANCE(LM)
CW=909 WW=744

IK
08



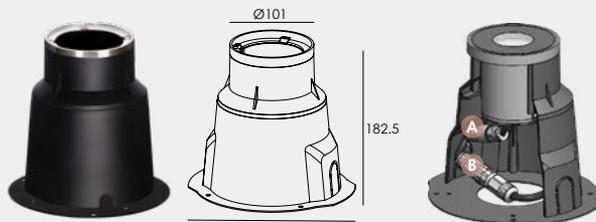
WATER PROOF SOLUTION



- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Optional)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE

Option1

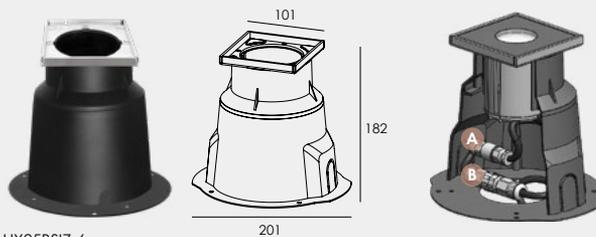


HX95BCI7-6
Recessed sleeve **B05#**

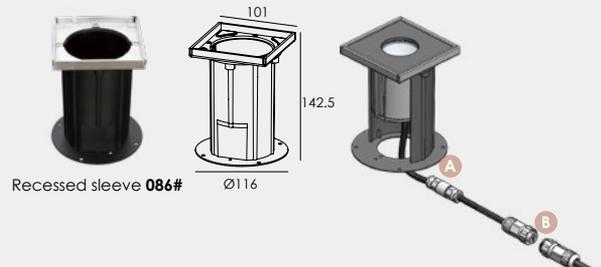
Option2



Recessed sleeve **085#**



HX95BSI7-6
Recessed sleeve **B06#**



Recessed sleeve **086#**

HOUSING	12# Die-casting aluminum grey powder coated T=60-80µm.Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered step glass,T=4mm
GLASS PRESSURE CAPACITY	Full area=2,463kgs
REFLECTOR	
GASKET	Molding shaped silicone seal
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20°C ~40°C
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm², L=0.5m 120V/240V: H05RN-F 3×1.0mm², L=0.5m
RECESSED SLEEVE	PC/ABS ALLOYS
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
IP	IP67
OPERATING TEMPERATURE	-20°C~40°C

OPTICS

Referenced Degree(°)9|1|2



R8

15°

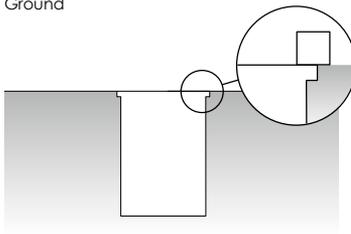
24°

38°

60°

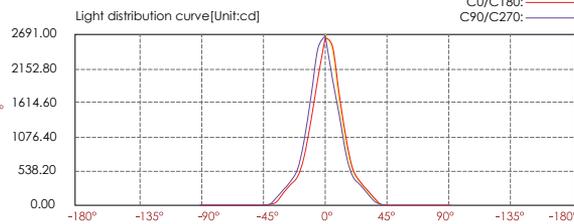
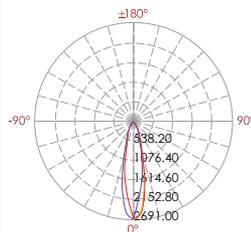
Figure A

Ground



• After installation, the luminaire's surface and the surrounding surface are on the same level.

PHOTOMETRIC



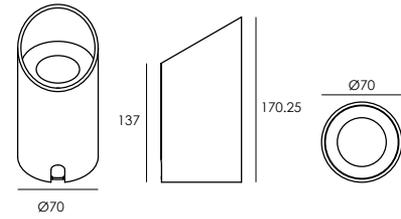
Lux distance curve

Distance (m)	Illuminance at a distance		Beam width	
	Center beam LUX	Beam width V	H	H
2m	659.59 LUX	0.8m	0.8m	
4m	164.90 LUX	1.7m	1.6m	
6m	73.29 LUX	2.5m	2.5m	
8m	41.22 LUX	3.3m	3.3m	
10m	26.38 LUX	4.2m	4.1m	
12m	18.32 LUX	5.0m	4.9m	

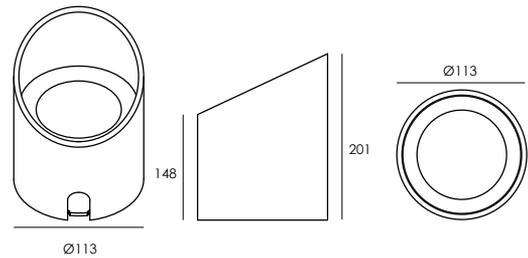
Ver.Spread:23.5 Horiz.Spread:23.2



ITEM	HX70FC11-5
LIGHT SOURCE	1×5W
REFLECTOR	R7
SELECTED DEGREE(°)Ø1/2	32°
INPUT VOLTAGE(V)	DC 24 120 240
OPERATING CURRENT(MA)	DC 24=265 120=52 240=32
CONSUMPTION(W)	DC 24=6.1 120=6.5 240=6.7
LUMINANCE(LM)	460
IK	06



ITEM	HX113FC11-6
LIGHT SOURCE	1×6W
REFLECTOR	R8
SELECTED DEGREE(°)Ø1/2	38°
INPUT VOLTAGE(V)	DC 24 120 240
OPERATING CURRENT(MA)	DC 24=320 120=72 240=40
CONSUMPTION(W)	DC 24=7.5 120=8.2 240=8.5
LUMINANCE(LM)	722
IK	08



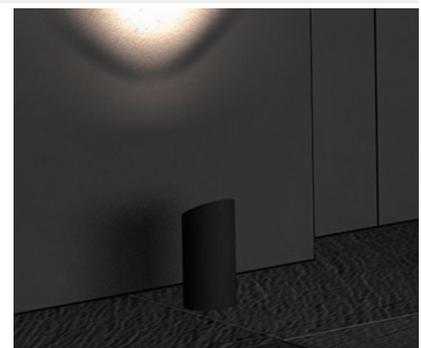
WATER PROOF SOLUTION



A Water-Stopper(Included)
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.

B IP67 Jiffy quick plug/socket connector(Optional)
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

Figure A



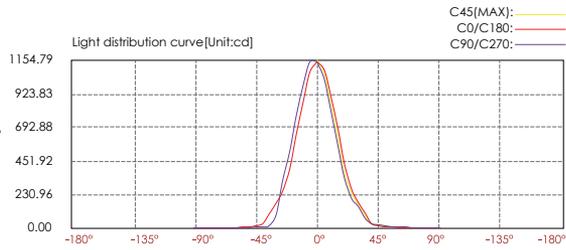
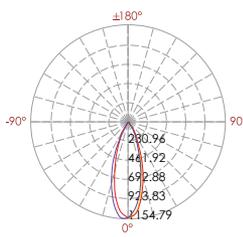
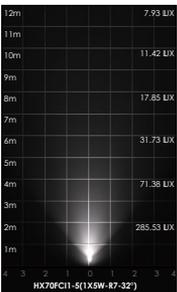
HOUSING	12# Die-casting dark grey powder coated aluminum T=60-80μm.Adhesion of ISO class 1/ASTM class 4B
GLASS	Step tempered glass.T=4mm
REFLECTOR	
LED	Multi chip on board LED
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm², L=0.5m 120V/240V: H05RN-F 3×1.0mm², L=0.5m
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized

OPTICS Referenced Degree(°)θ1/2

	R7	18°	24°	32°	
	R8	15°	24°	38°	60°



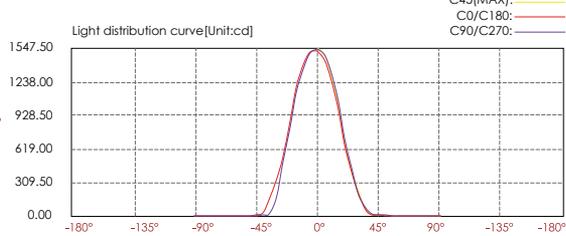
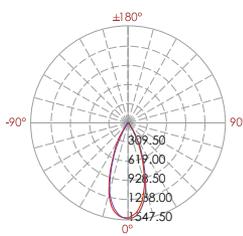
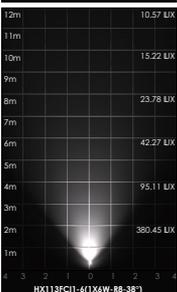
PHOTOMETRIC



Lux distance cure

Center beam LUX	Beam width V	H
285.53 LUX	1.2m	1.2m
71.38 LUX	2.4m	2.4m
31.73 LUX	3.7m	3.6m
17.85 LUX	4.9m	4.8m
11.42 LUX	6.1m	6.1m
7.93 LUX	7.3m	7.3m

Ver.Spread:33.9 Horiz.Spread:33.7



Lux distance cure

Center beam LUX	Beam width V	H
380.45 LUX	1.4m	1.4m
95.11 LUX	2.9m	2.9m
42.27 LUX	4.3m	4.3m
23.78 LUX	5.8m	5.8m
15.22 LUX	7.2m	7.2m
10.57 LUX	8.7m	8.7m

Ver.Spread:39.8 Horiz.Spread:39.8



ITEM
HX96BCI7-5E / HX96BSI7-5E

LIGHT SOURCE
1×5W COB NICHIA

REFLECTOR / SELECTED DEGREE(°)Ø1/2
R24 / 30°

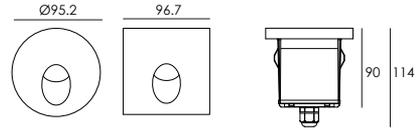
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=233 AC 120=49 AC 240=31

CONSUMPTION(W)
DC 24=5.6 AC 120=5.8 AC 240=6.4

LUMINANCE(LM)
CW=375 WW=355

IK
06



ITEM
HX120BCI7-5E

LIGHT SOURCE
1×5W COB NICHIA

REFLECTOR / SELECTED DEGREE(°)Ø1/2
R24 / 30°

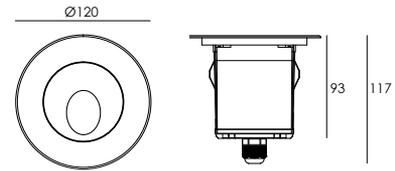
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=233 AC 120=49 AC 240=31

CONSUMPTION(W)
DC 24=5.6 AC 120=5.8 AC 240=6.4

LUMINANCE(LM)
CW=375 WW=355

IK
08



WATER PROOF SOLUTION



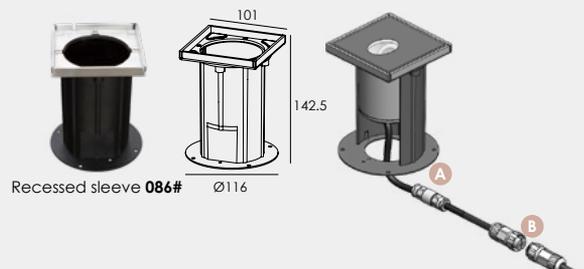
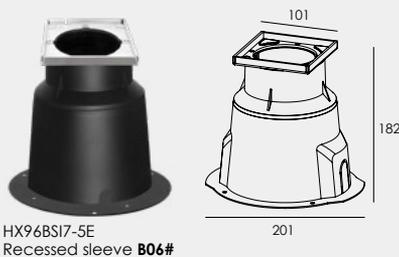
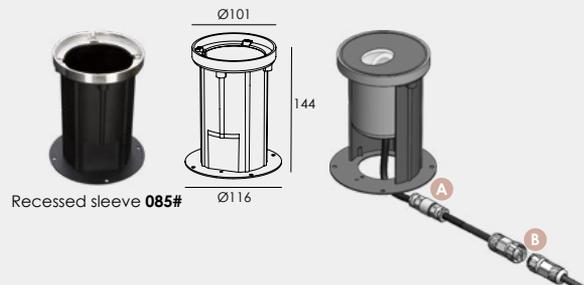
- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Optional)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE

Option1



Option2



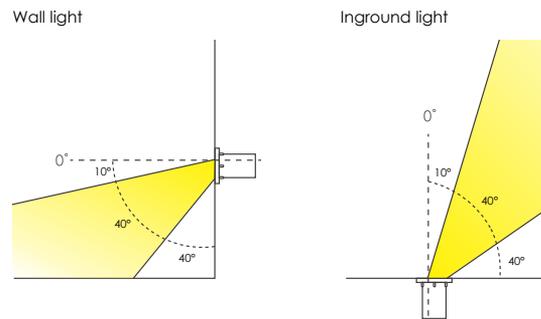


- FRONT COVER** Hard chromeplated stainless steel SUS316L#
- HOUSING** 12# Die-casting aluminum grey powder coated
T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
- LIGHT WINDOW** Tempered step glass. T=4mm
- GASKET** Molding shaped silicone seal
- POWER CABLE** Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
- CABLE GLAND** IP68, PG9 PA66
- MOUNTING SLEEVE** PC/ABS ALLOYS
- LED TYPE** Multi chip on board LED
- LED DRIVER** Constant Voltage Input, Constant Current Output
- LENS**
- GLASS PRESSURE CAPACITY** Full area=5373kgs
- DIMMING SUPPORT** Triac PWM Available
1-10V Dali Customized
- IP** IP67
- OPERATING TEMPERATURE** -20°C~40°C

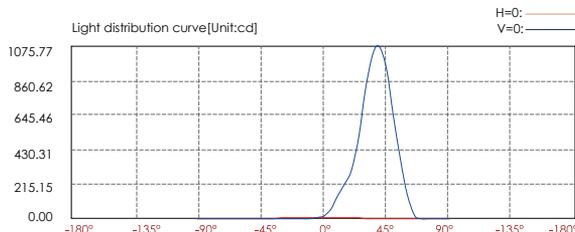
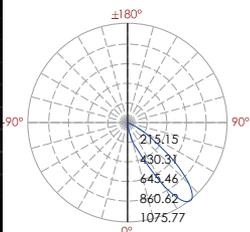
OPTICS



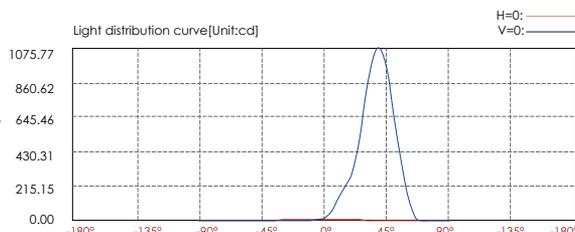
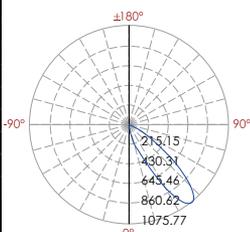
Asymmetrical Demo



PHOTOMETRIC



Ver.Spread:31.5 Horiz.Spread:26.5



Ver.Spread:31.5 Horiz.Spread:26.5



ITEM
HX55BCI8-2

LIGHT SOURCE
1×2W

LENS
B73

BEAM ANGLE
120°

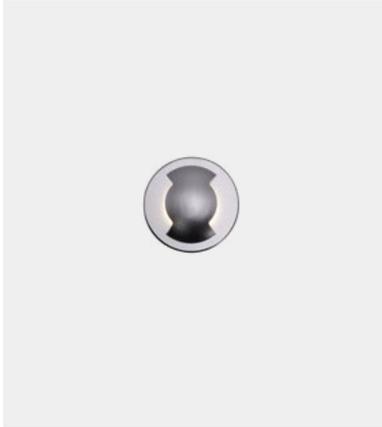
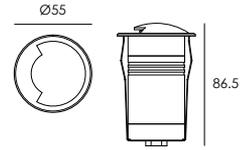
INPUT VOLTAGE(V)
DC 24

OPERATING CURRENT(MA)
DC 24=110 AC 120=48 AC 240=28

CONSUMPTION(W)
DC 24=2.6 AC 120=3.1 AC 240=3

LUMINANCE(LM)
CW=15 WW=13

IK
10



ITEM
HX55BCI8-2A

LIGHT SOURCE
1×2W

LENS
B73

BEAM ANGLE
100°

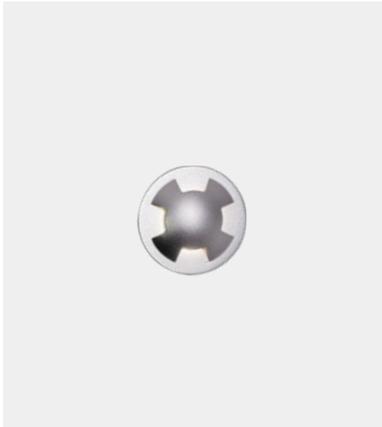
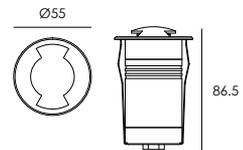
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=110 AC 120=48 AC 240=28

CONSUMPTION(W)
DC 24=2.6 AC 120=3.1 AC 240=3

LUMINANCE(LM)
CW=14 WW=10

IK
10



ITEM
HX55BCI8-2B

LIGHT SOURCE
1×2W

LENS
B73

BEAM ANGLE
45°

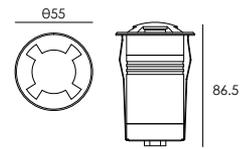
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=110 AC 120=48 AC 240=28

CONSUMPTION(W)
DC 24=2.6 AC 120=3.1 AC 240=3

LUMINANCE(LM)
CW=12 WW=8.5

IK
10



WATER PROOF SOLUTION

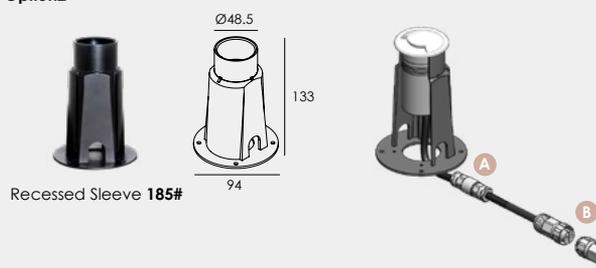


- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Optional)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE
Option1



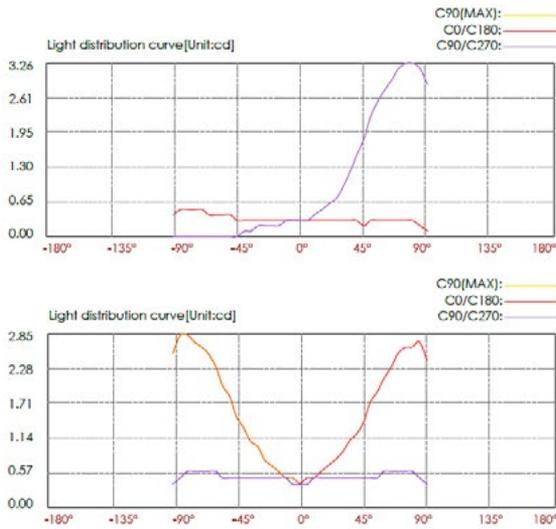
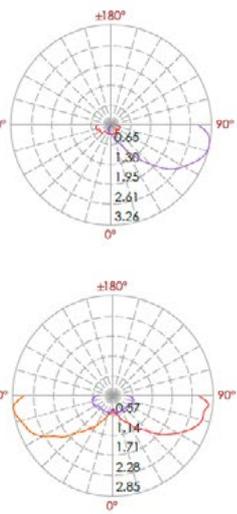
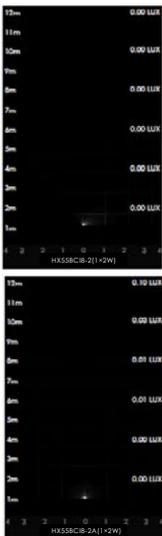
Option2



HOUSING	6063# dark 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	UVstop & Fireproof PC
GASKET	Silicon rubber molding shaped seal
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm², L=0.5m 120V/240V: H05RN-F 3×1.0mm², L=0.5m
LED TYPE	OSRAM SMD3030
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS
GLASS PRESSURE CAPACITY	>2,000kgs
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
IP	IP67
OPERATING TEMPERATURE	-20°C~40°C

OPTICS		Referenced Degree(°)91/2				
	B33	9°	15°	20°	45°	60°
	B73	30°				

PHOTOMETRIC



Illuminance at a distance			
Center beam LUX	Beam width V	Beam width H	
2m 0.08 LUX	1.7m	6.2m	
4m 0.02 LUX	3.5m	12.4m	
6m 0.01 LUX	5.2m	18.6m	
8m 0.00 LUX	6.9m	24.9m	
10m 0.00 LUX	8.7m	31.1m	
12m 0.00 LUX	10.4m	37.3m	
Ver.Spread:47.0 Horiz.Spread:114.5			

Illuminance at a distance			
Center beam LUX	Beam width V	Beam width H	
2m 0.10 LUX	1.549m	1.7m	
4m 0.03 LUX	3.097m	3.4m	
6m 0.01 LUX	4.646m	5.1m	
8m 0.01 LUX	6.195m	6.8m	
10m 0.00 LUX	7.743m	8.5m	
12m 0.00 LUX	9.292m	10.2m	
Ver.Spread:117.1 Horiz.Spread:46.2			



ITEM
HX116BCI9-2.1

LIGHT SOURCE
1x2.1W

LENS
B80

BEAM ANGLE
80°

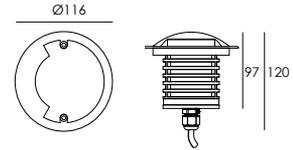
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=124 AC 120=45 AC 240=25

CONSUMPTION(W)
DC 24=3 AC 120=3.1 AC 240=3.1

LUMINANCE(LM)
23

IK
10



ITEM
HX116BCI9-2.1A

LIGHT SOURCE
1x2.1W

LENS
B80

BEAM ANGLE
80°

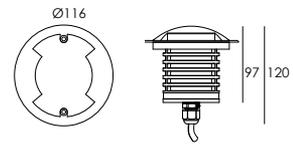
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=124 AC 120=45 AC 240=25

CONSUMPTION(W)
DC 24=3 AC 120=3.1 AC 240=3.1

LUMINANCE(LM)
42

IK
10



ITEM
HX116BCI9-2.1B

LIGHT SOURCE
1x2.1W

LENS
B80

BEAM ANGLE
40°

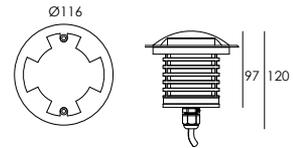
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=124 AC 120=45 AC 240=25

CONSUMPTION(W)
DC 24=3 AC 120=3.1 AC 240=3.1

LUMINANCE(LM)
45

IK
10



WATER PROOF SOLUTION

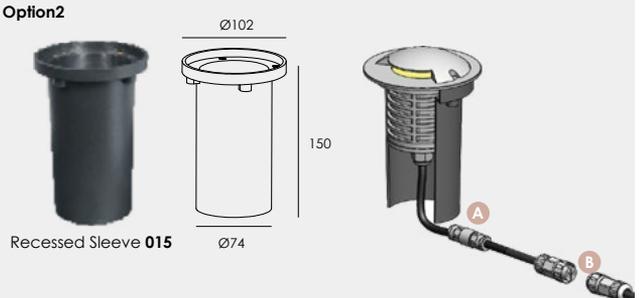


- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Optional)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE
Option1



Option2



HOUSING	12# Die-casting aluminum dark grey powder coated T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chrome plated stainless steel SUS 316#
LIGHT WINDOW	UVstop & Fireproof PC
CABLE GLAND	IP68 PG-9 PA66
GASKET	Silicon rubber molding shaped seal
LED DRIVER	Constant Voltage Input, Constant Current Output
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm ² , L=0.5m 120V/240V: H05RN-F 3×1.0mm ² , L=0.5m
LED TYPE	OSRAM SMD3030
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS
GLASS PRESSURE CAPACITY	>2,000kgs
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
IP	IP67
OPERATING TEMPERATURE	-20°C~40°C

OPTICS



B80

180°

LENS VIEW



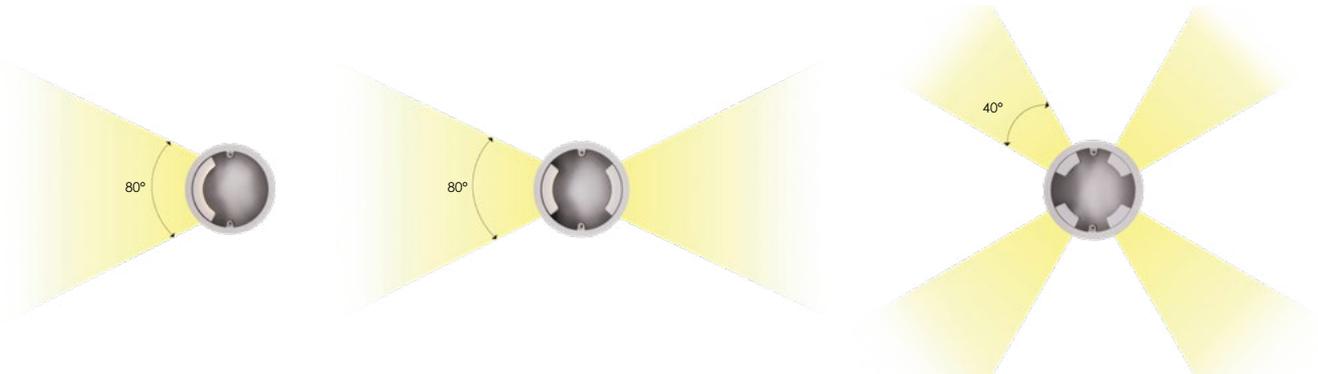
HX116BCI9-2.1

HX116BCI9-2.1A

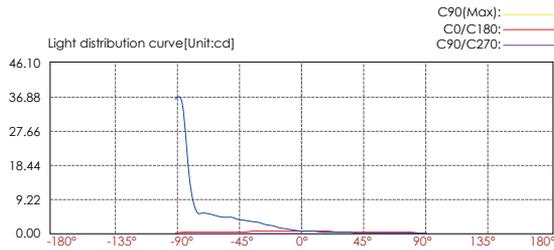
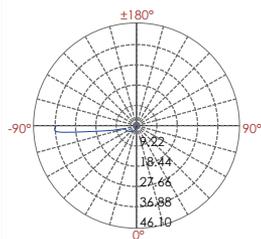
HX116BCI9-2.1B



BEAM DEMO



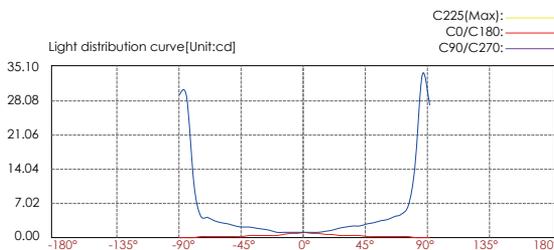
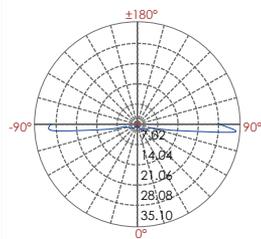
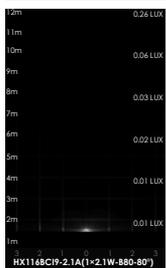
PHOTOMETRIC



Lux distance curve

Center Beam LUX	Beam Width	
	V	H
0.16 LUX	8.1m	0.3m
0.04 LUX	16.3m	0.7m
0.02 LUX	24.4m	1.0m
0.01 LUX	32.5m	1.3m
0.01 LUX	40.6m	1.6m
0.00 LUX	48.8m	2.0m

Vert.Spread:127.7 Horiz.Spread:9.4



Lux distance curve

Center Beam LUX	Beam Width	
	V	H
0.26 LUX	8.5m	0.4m
0.06 LUX	17.0m	0.7m
0.03 LUX	25.4m	1.1m
0.02 LUX	33.9m	1.5m
0.01 LUX	42.4m	1.9m
0.01 LUX	50.9m	2.2m

Vert.Spread:129.5 Horiz.Spread:10.6



ITEM
HX169BCI9-8.5

LIGHT SOURCE
1×8.5W

LENS
B80

BEAM ANGLE
80°

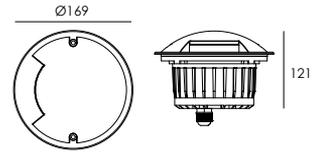
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=540 AC 120=86 AC 240=54

CONSUMPTION(W)
DC 24=13 AC 120=10 AC 240=10.4

LUMINANCE(LM)
DC 24=108

IK
10



ITEM
HX169BCI9-8.5A

LIGHT SOURCE
1×8.5W

LENS
B80

BEAM ANGLE
80°

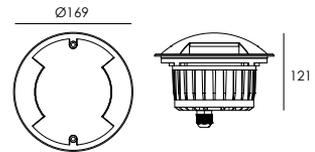
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=540 AC 120=86 AC 240=54

CONSUMPTION(W)
DC 24=13 AC 120=10 AC 240=10.4

LUMINANCE(LM)
DC 24=164

IK
10



ITEM
HX169BCI9-8.5B

LIGHT SOURCE
1×8.5W

LENS
B80

BEAM ANGLE
40°

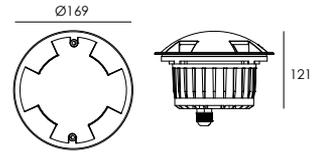
INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

OPERATING CURRENT(MA)
DC 24=540 AC 120=86 AC 240=54

CONSUMPTION(W)
DC 24=13 AC 120=10 AC 240=10.4

LUMINANCE(LM)
DC 24=168

IK
10



WATER PROOF SOLUTION

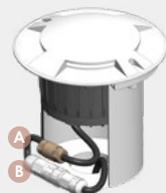


- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Optional)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE (Included)



Recessed sleeve **Ø16**



HOUSING	12# Die-casting aluminum dark grey powder coated T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
FRONT COVER	Hard chrome plated stainless steel SUS 316#
LIGHT WINDOW	UVstop & Fireproof PC
CABLE GLAND	IP68 PG-9 PA66
GASKET	Silicon rubber molding shaped seal
LED DRIVER	Constant Voltage Input, Constant Current Output
POWER CABLE	Outside of luminaire 12V/24V: H07RN-F 2×1.0mm², L=0.5m 120V/240V: H07RN-F 3×1.0mm², L=0.5m
LED TYPE	OSRAM SMD3030
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS
GLASS PRESSURE CAPACITY	>2,000kgs
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
IP	IP67
OPERATING TEMPERATURE	-20°C~40°C

OPTICS



B80

180°

LENS VIEW

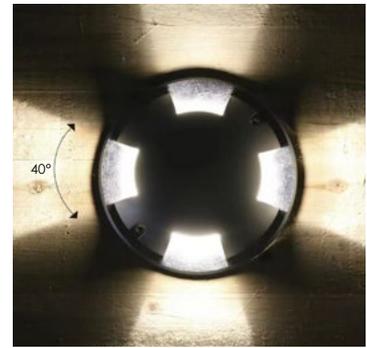
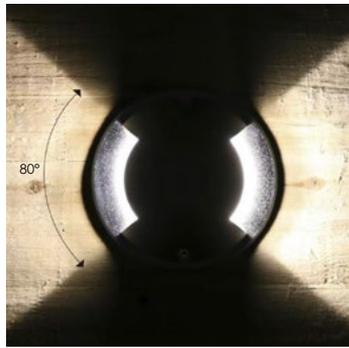
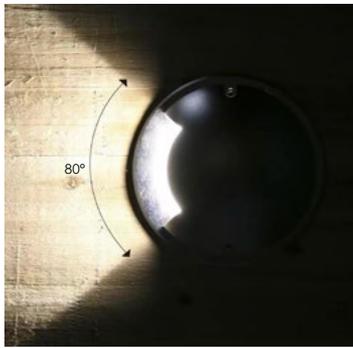


HX169BCI9-8.5

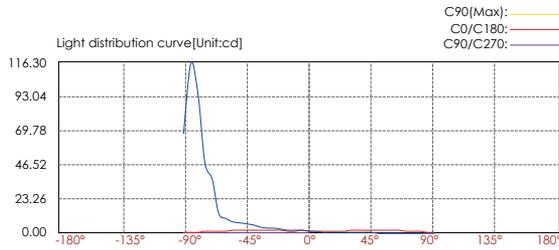
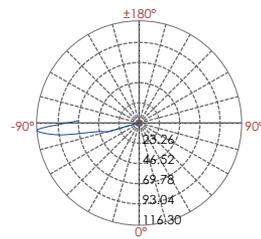
HX169BCI9-8.5A

HX169BCI9-8.5B

BEAM DEMO



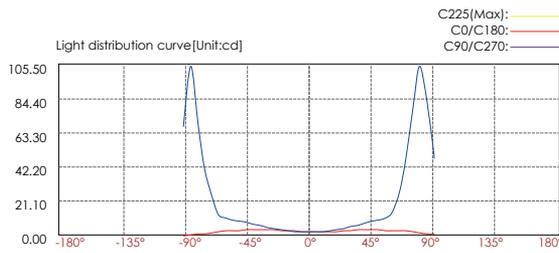
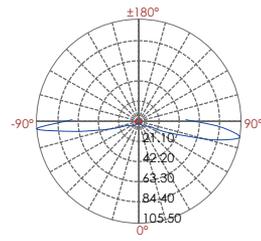
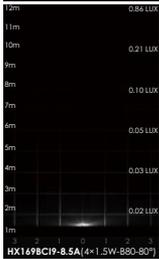
PHOTOMETRIC



Light distance cure

Center Beam LUX	Beam Width V	H
0.44 LUX	6.4m	0.4m
0.11 LUX	12.8m	0.9m
0.05 LUX	19.2m	1.3m
0.03 LUX	25.6m	1.7m
0.02 LUX	31.9m	2.2m
0.01 LUX	38.3m	2.6m

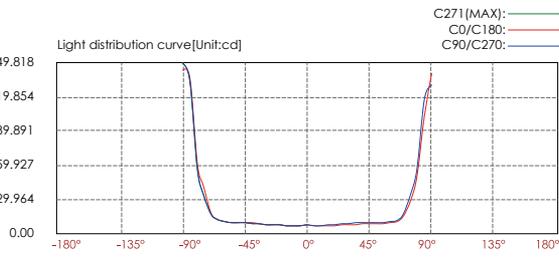
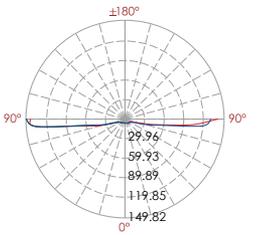
Ver. Spread: 116.0 Horiz. Spread: 12.3



Light distance cure

Center Beam LUX	Beam Width V	H
0.86 LUX	7.1m	0.4m
0.21 LUX	14.1m	0.8m
0.10 LUX	21.2m	1.2m
0.05 LUX	28.3m	1.6m
0.03 LUX	35.4m	2.0m
0.02 LUX	42.4m	2.4m

Ver. Spread: 121.1 Horiz. Spread: 11.5



Light distance cure

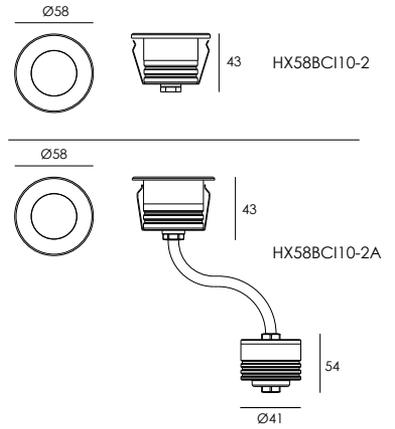
Center beam LUX	Beam width V	H
1.69 LUX	2128.5m	2107.9m
0.42 LUX	4256.9m	4215.7m
0.19 LUX	6385.4m	6323.6m
0.11 LUX	8513.8m	8431.5m
0.07 LUX	10642.3m	10539.3m
0.05 LUX	12770.8m	12647.2m

Ver. Spread: 179.9 Horiz. Spread: 179.9



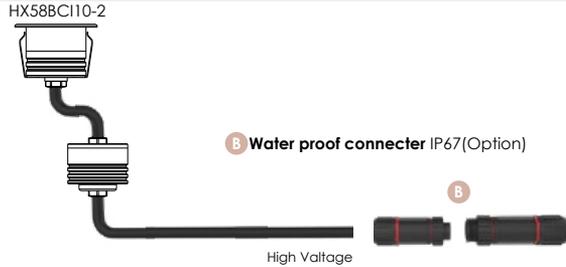
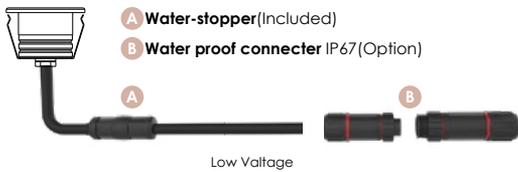


ITEM HX58BC110-2	ITEM HX58BC110-2A
LIGHT SOURCE 1×2W NICHIA	LIGHT SOURCE 1×2W OSRAM
LENS B34D	LENS B33
SELECTED DEGREE(°)Ø1/2 25°	SELECTED DEGREE(°)Ø1/2 20°
INPUT VOLTAGE(V) DC 24	INPUT VOLTAGE(V) DC 24 AC 120 AC 240
OPERATING CURRENT(MA) 100	OPERATING CURRENT(MA) DC 24=100 AC 120=46 AC 240=29
CONSUMPTION(W) 2.4	CONSUMPTION(W) DC 24=2.4 AC 120=3.2 AC 240=3.1
LUMINANCE(LM) CW=130 WW=110	LUMINANCE(LM) CW=155 WW=140
IK 08	IK 08



WATER PROOF SOLUTION

HX58BC11G-2



FRONT COVER	Hard chrome plated stainless steel SUS 316#
HOUSING	12# Die-casting aluminum dark grey powder coated T=60-80µm Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered frosted step glass.T=8mm
GASKET	Silicon rubber molding shaped seal
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm², L=0.5m 120V/240V: H05RN-F 3×1.0mm², L=0.5m
CABLE GLAND	IP67 Copper and nicked coated
LED TYPE	OSRM SMD3030
LED DRIVER	Constant Voltage Input, Constant Current Output
LENS	
PCB	Excellent heat conductivity aluminum,
GLASS PRESSURE CAPACITY	Full area=1,106kgs
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
IP	IP67
OPERATING TEMPERATURE	-20°C~40°C

HONEYCOMB LOUVER (Option)



- Optional Accessory Honeycomb Louver
- The measured luminous flux data does not contain the honeycomb cover, and the data containing the honeycomb cover is reduced by 20 to 30%.

OPTICS Referenced Degree(°)Ø1/2

	B33	9°	15°	20°	45°	60°
	B34D	30°				

INSTALLATION DIAGRAM

Low Voltage



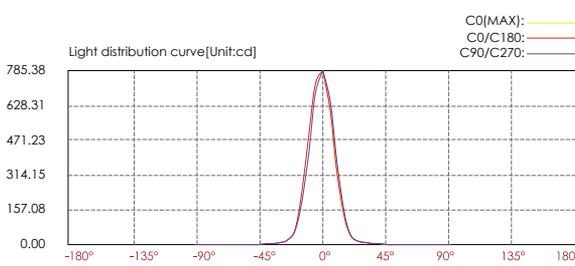
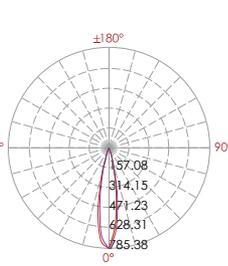
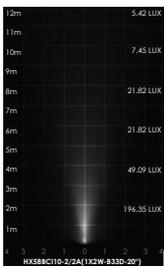
A: Minimum space for external driver is 20mm.

High Voltage



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

PHOTOMETRIC



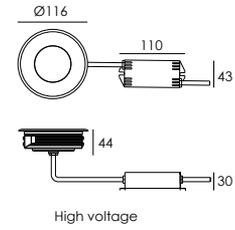
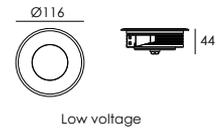
Lux distance cure

Center beam LUX	Beam width	
	V	H
2m 196.35 LUX	0.7m	0.7m
4m 49.09 LUX	1.4m	1.5m
6m 21.82 LUX	2.1m	2.2m
8m 12.27 LUX	2.8m	2.9m
10m 7.85 LUX	3.5m	3.6m
12m 5.45 LUX	4.3m	4.4m

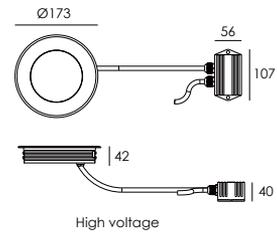
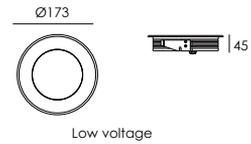
Ver. Spread: 20.1 Horiz. Spread: 20.6



ITEM	HX116BCI10-6
LIGHT SOURCE	3×2W OSRAM
LENS	FB03
SELECTED DEGREE(°)Ø1/2	20°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=220 AC 120=74 AC 240=43
CONSUMPTION(W)	DC 24=5.3 AC 120=5.4 AC 240=5.6
LUMINANCE(LM)	CW=452 WW=388
IK	08



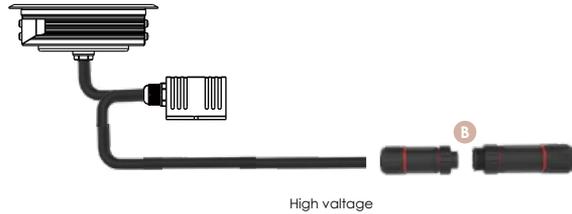
ITEM	HX116BCI10-12
LIGHT SOURCE	6×2W OSRAM
LENS	FB06
SELECTED DEGREE(°)Ø1/2	20°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=541 AC 120=102 AC 240=55
CONSUMPTION(W)	DC 24=13 AC 120=12 AC 240=12.1
LUMINANCE(LM)	CW=1251 WW=977
IK	08



WATER PROOF SOLUTION

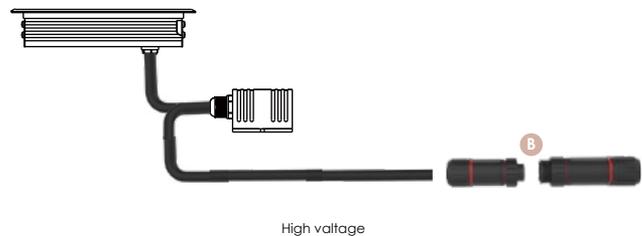
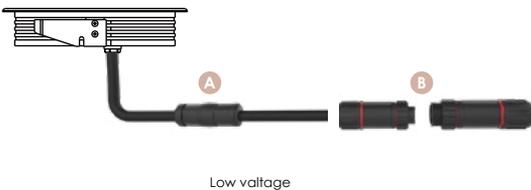
HX116BCI10-6

- A** Water-stopper(Included)
- B** Water proof connector IP67(Optional)



HX116BCI10-12

- A** Water-stopper(Included)
- B** Water proof connector IP67(Optional)



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

FRONT RING Hard chromeplated stainless steel SUS 316L#

LIGHT WINDOW Tempered frosted step glass.T=8mm

LED OSRAM

GLASS PRESSURE CAPACITY Full area=3370kgs

OPERATING TEMPERATURE -20°C~40°C

POWER CABLE Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m

DIMMING SUPPORT Triac PWM Available
1-10V Dali Customized

OPTICS		Referenced Degree(°)9 1 2					
	FB33	9°	15°	20°	30°	45°	
	FB06	9°	15°	20°	30°	45°	60°

INSTALLATION DIAGRAM

HX116BC12G-6

Low voltage



A: Minimum space for external driver is 20mm.

High voltage



A: Minimum space for external driver is 48mm.
B: External driver of high voltage.

HX116BC12G-12

Low voltage



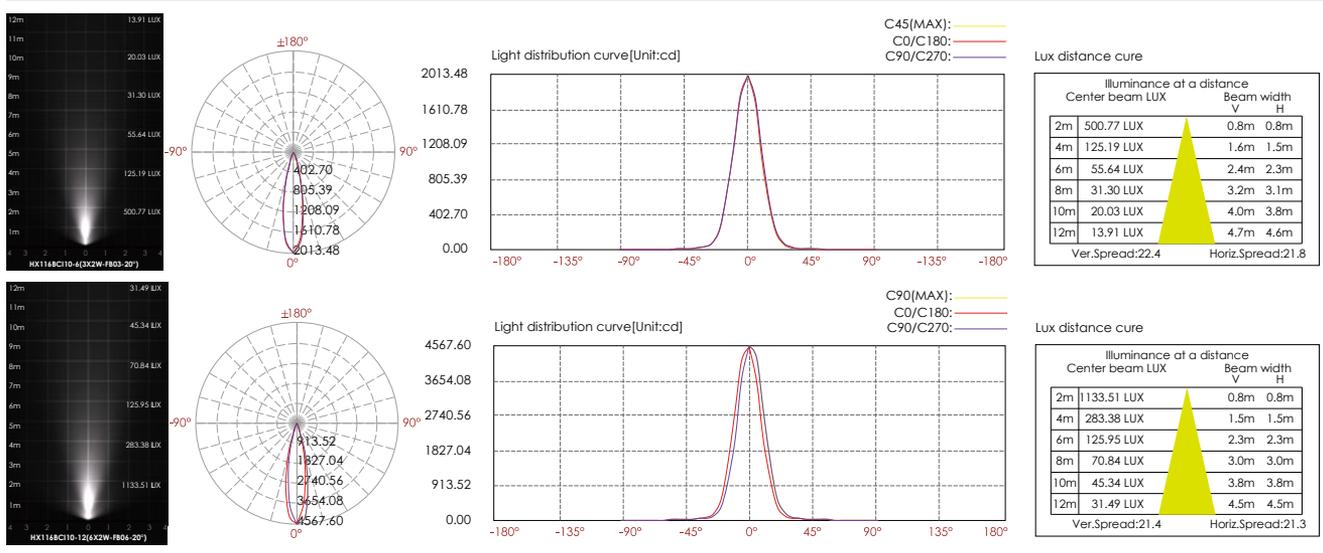
A: Minimum space for external driver is 20mm.

High voltage



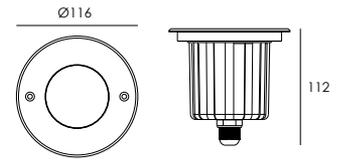
A: Minimum space for external driver is 48mm.
B: External driver of high voltage.

PHOTOMETRIC





ITEM	ITEM
HX116BCI11-GU	HX116BCI11-GX
LAMP SOCKET GU-10	LAMP SOCKET GX5.3
INPUT VOLTAGE(V) 240	INPUT VOLTAGE(V) DC 12
OPERATING CURRENT(MA) N/A	OPERATING CURRENT(MA) N/A
CONSUMPTION(W) N/A	CONSUMPTION(W) N/A
LUMINANCE(LM) N/A	LUMINANCE(LM) N/A
IK 08	IK 08



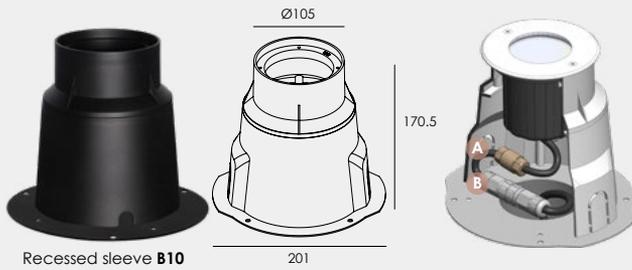
WATER PROOF SOLUTION



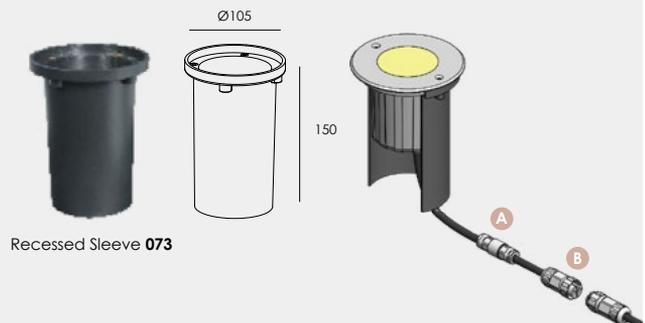
- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Option)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE

Option1



Option2



FRONT COVER	Hard chromeplated Stainless steel SUS 316L#
HOUSING	12# Die-casting grey powder coated aluminum T=60-80µm Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered step glass.T=6mm
GASKET	Molding shaped silicone seal
POWER CABLE	Outside of luminaire D2FU01 10: H05RN-F 3×1.0mm ² , L=0.5m(120V/240V) D2FU01 13: H05RN-F 2×1.0mm ² , L=0.5m(12V/24V)
CABLE GLAND	IP68 PG-9 PA66
LED TYPE	N/A
LED DRIVER	Constant Voltage Input,Constant Current Output
LENS	
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS
GLASS PRESSURE CAPACITY	Full area=1,226kgs
IP	IP67
OPERATING TEMPERATURE	-20°C~40°C

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 GU-10 pin spec.
- Input voltage is according to GU-10 pin spec.

MR16 pin Halogen Lamp



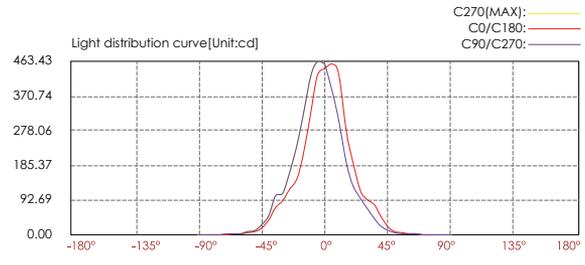
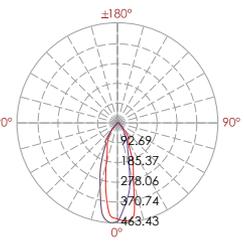
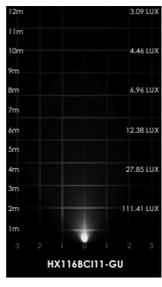
- 50W maximum power limit.
- Input voltage is according to halogen lamp spec.

MR16 pin LED Lamp



- Maximum power limit is according to GX-5.3 pin spec.
- Input voltage is according to MR16 pin spec.

PHOTOMETRIC



Lux distance cure

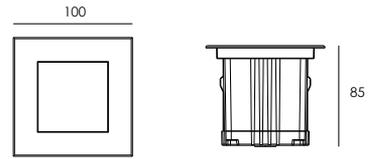
Center beam LUX	Beam width	
	V	H
2m 111.41 LUX	1.2m	1.2m
4m 27.85 LUX	2.4m	2.3m
6m 12.38 LUX	3.7m	3.5m
8m 6.96 LUX	4.9m	4.6m
10m 4.46 LUX	6.1m	5.8m
12m 3.09 LUX	7.3m	7.0m

Ver.Spread:33.9 Horiz.Spread:32.4





ITEM	HX100BS112-7
LIGHT SOURCE	1×7W
REFLECTOR	R5
SELECTED DEGREE(°)Ø1/2	25°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=324 AC 120=75 AC 240=42
CONSUMPTION(W)	DC 24=7.8 AC 120=9 AC 240=9.1
LUMINANCE(LM)	800
IK	06

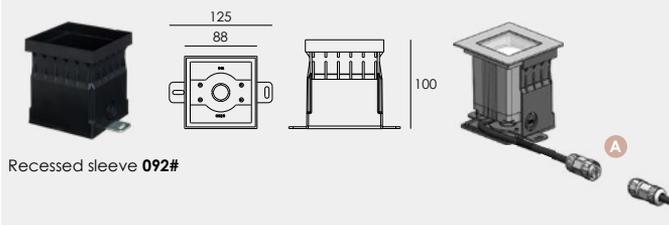


WATER PROOF SOLUTION



- A IP67 Jiffy quick plug/socket connector**(Option)
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE (Included)



Recessed sleeve 092#

METAL PLATE



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

FRONT COVER Hard chromeplated Stainless steel SUS 316L#

HOUSING 12# Die-casting aluminum grey powder coated

LIGHT WINDOW T=60-80μm Adhesion of ISO class 1/ASTM class 4B Tempered step glass.T=5mm

GASKET Silicon rubber molding shaped seal

POWER CABLE Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m

CABLE GLAND IP67 copper and nicked coated

LED TYPE NICHIA COB LED

LED DRIVER Constant Voltage Input, Constant Current Output

LENS

RECESSED SLEEVE MATERIAL PC/ABS ALLOYS

GLASS PRESSURE CAPACITY 1,800kgs

DIMMING SUPPORT Triac PWM Available
1-10V Dim Customized

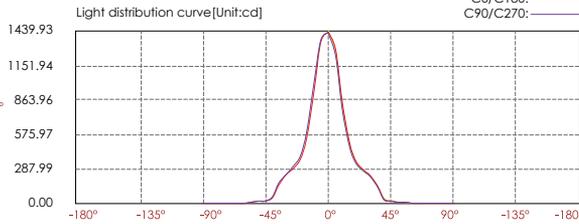
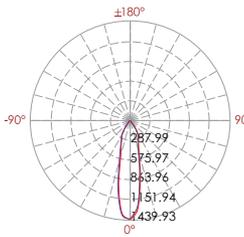
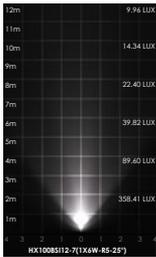
IP IP67

OPERATING TEMPERATURE -20°C~40°C

OPTICS Referenced Degree(°)9|1/2



PHOTOMETRIC



Lux distance cure

Illuminance at a distance

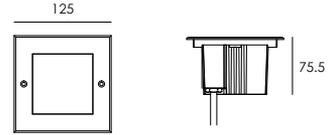
Center beam LUX	Beam width V	H
2m 358.41 LUX	0.9m	0.9m
4m 89.60 LUX	1.8m	1.8m
6m 39.82 LUX	2.7m	2.6m
8m 22.40 LUX	3.6m	3.5m
10m 14.34 LUX	4.5m	4.4m
12m 9.96 LUX	5.4m	5.3m

Ver.Spread:25.3 Horiz.Spread:24.8





ITEM	HX125BSI12-6E
LIGHT SOURCE	4×1.5W
LENS	C18
SELECTED DEGREE(°)Ø1/2	80°×60°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=320 AC 120=59 AC 240=33
CONSUMPTION(W)	DC 24=7.6 AC 120=7 AC 240=7
LUMINANCE(LM)	DC 24=491
IK	09

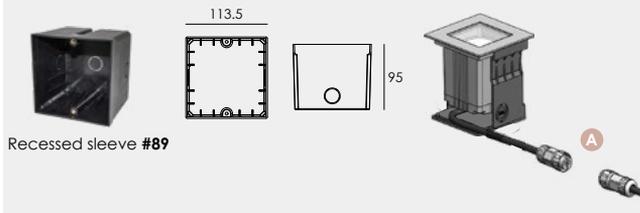


WATER PROOF SOLUTION



A IP67 Jiffy quick plug/socket connector(Option)
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE (Included)

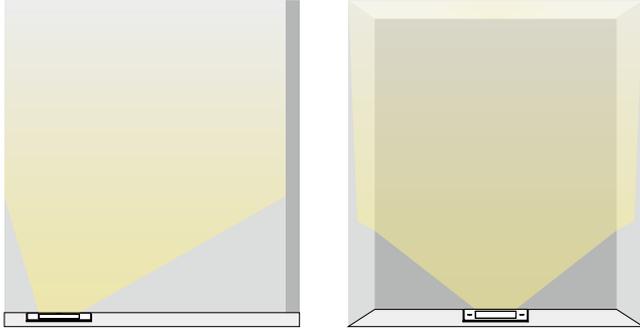


HOUSING	12# Die-casting aluminum dark grey powder coated. T=60-80µm.
FRONT RING	Hard chromeplated Stainless steel SUS 316L#
LIGHT WINDOW	Tempered frosted step glass.T=8mm
CABLE GLAND	IP67 copper an d nicked coated
GLASS PRESSURE CAPACITY	Full area=2,578kgs
LED	NICHIA SMD3535
PCB	Excellent heat conductivity aluminum,
LED DRIVER	Constant Voltage Input, Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm², L=0.5m 120V/240V: H05RN-F 3×1.0mm², L=0.5m
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS
DIMMING SUPPORT	Triac. PWM Available 1-10V Dali Customized
IP	IP67
OPERATING TEMPERATURE	-20°C~40°C

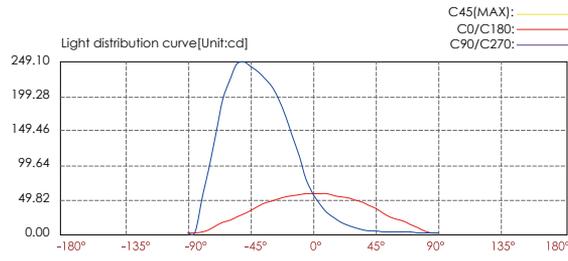
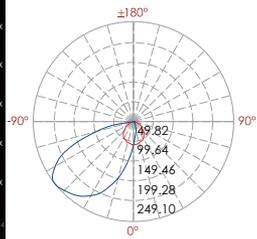
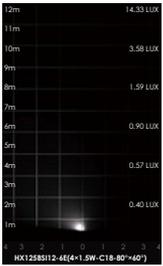
OPTICS



BEAM DEMO



PHOTOMETRIC

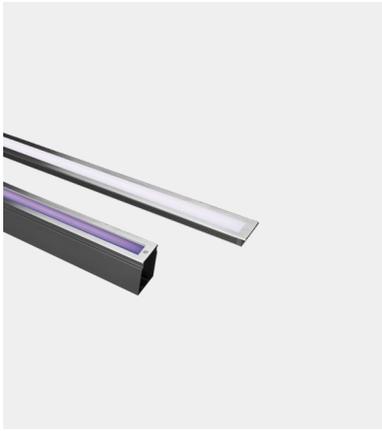


Lux distance cure

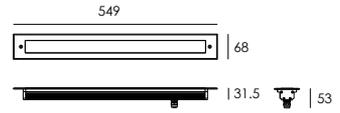
	Illuminance at a distance		Beam width	
	Center beam LUX	V	H	H
2m	14.33 LUX	3.4m	2.3m	
4m	3.58 LUX	6.9m	4.6m	
6m	1.59 LUX	10.3m	6.9m	
8m	0.90 LUX	13.7m	9.2m	
10m	0.57 LUX	17.1m	11.6m	
12m	0.40 LUX	20.6m	13.9m	

Ver.Spread:81.3 Horiz.Spread:60.1

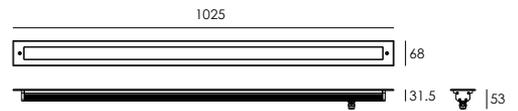




ITEM	HX549BLI1-14.4
LIGHT SOURCE	48x0.3W NICHIA
LENTH(MM)	549
SELECTED DEGREE(°)Ø1/2	120°
INPUT VOLTAGE(V)	DC24V 120/240V
OPERATING CURRENT(MA)	24V=555 120V=106 240V=60
CONSUMPTION(W)	24V=13.2 120V=12.5 240V=13
LUMINANCE(LM)	CW=300 WW=274
IK	07



ITEM	HX1025BLI1-28.8
LIGHT SOURCE	96x0.3W NICHIA
LENTH(MM)	1025
SELECTED DEGREE(°)Ø1/2	120°
INPUT VOLTAGE(V)	DC24V 120/240V
OPERATING CURRENT(MA)	24V=1108 120V=212 240V=107
CONSUMPTION(W)	24V=26.5 120V=24 240V=24.5
LUMINANCE(LM)	CW=602 WW=545
IK	07



WATER PROOF SOLUTION

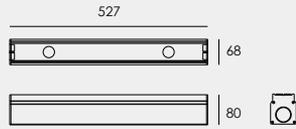


- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Optional)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

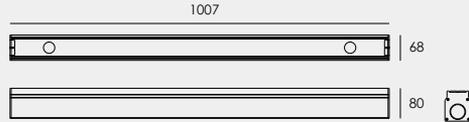
SLEEVE (Included)



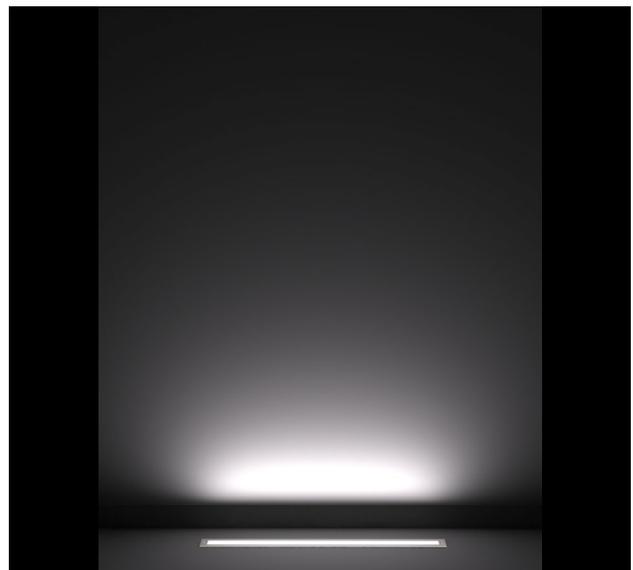
Recessed sleeve 137#



Recessed sleeve 138#

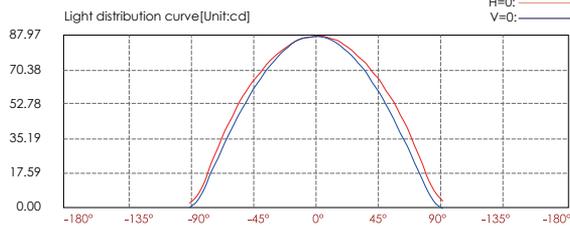
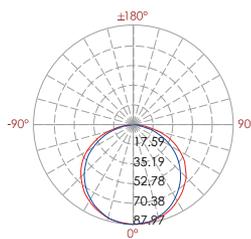


- HOUSING** Extruded aluminum, powder coated
- FRONT COVER** Hard chrome-plated stainless steel SUS 316L
- LIGHT WINDOW** White painting, Tempered step glass. T=6mm
- LED Type** NICHIA LED 3030@0.5W
- CABLE GLAND** IP68 PG-9 PA66
- OPERATING TEMPERATURE** -20°C~40°C
- POWER CABLE** Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
- MOUNTING SLEEVE** Powder Coated Aluminum
- DIMMING SUPPORT** Triac PWM Available
1-10V Dali Customized



BEAM DEMO

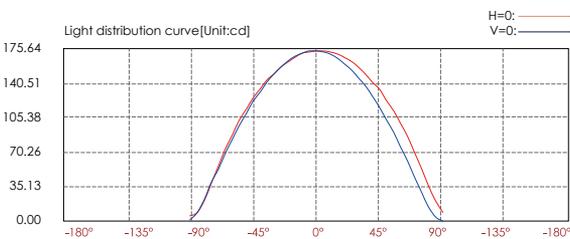
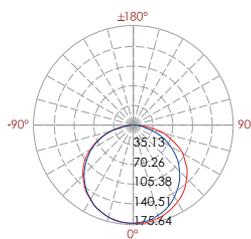
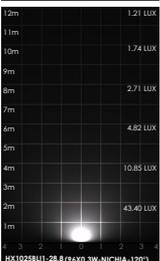
PHOTOMETRIC



Lux distance cure

Center beam LUX	Illuminance at a distance	
	Beam width V	H
2m 21.99 LUX	7.70m	6.20m
4m 5.50 LUX	15.3m	12.5m
6m 2.44 LUX	23.0m	18.7m
8m 1.37 LUX	30.6m	25.0m
10m 0.88 LUX	38.3m	31.2m
12m 0.61 LUX	46.0m	37.4m

Ver.Spread:124.9 Horiz.Spread:114.9



Lux distance cure

Center beam LUX	Illuminance at a distance	
	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



ITEM
HX311BLI13-7.2

LIGHT SOURCE
6×1.2W

LENS
B15

SELECTED DEGREE(°)Ø1/2
15°

INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

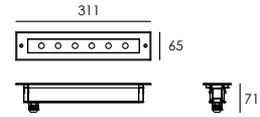
OPERATING CURRENT(MA)
DC 24=400 AC 120=71 AC 240=41

CONSUMPTION(W)
DC 24=9.5 AC 120=8.5 AC 240=8.7

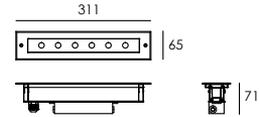
LUMINANCE(LM)
770

IK
05

Low voltage



High voltage



ITEM
HX543BLI13-14.4

LIGHT SOURCE
12×1.2W

LENS
B15

SELECTED DEGREE(°)Ø1/2
15°

INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

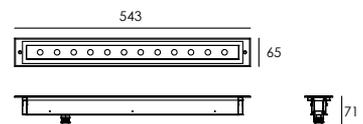
OPERATING CURRENT(MA)
DC 24=800 AC 120=141 AC 240=72

CONSUMPTION(W)
DC 24=19.2 AC 120=16.8 AC 240=16.8

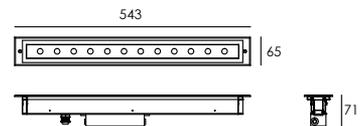
LUMINANCE(LM)
1515

IK
05

Low voltage



High voltage



ITEM
HX1006BLI13-28.8

LIGHT SOURCE
24×1.2W

LENS
B15

SELECTED DEGREE(°)Ø1/2
15°

INPUT VOLTAGE(V)
DC 24 AC 240

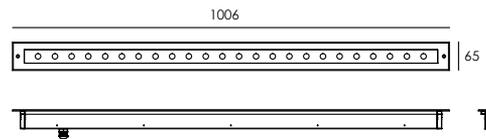
OPERATING CURRENT(MA)
DC 24=1600 AC 240=148

CONSUMPTION(W)
DC 24=38.4 AC 240V=32

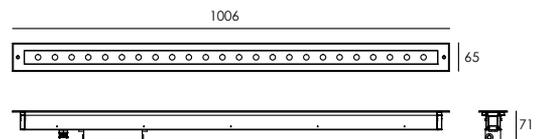
LUMINANCE(LM)
2968

IK
05

Low voltage

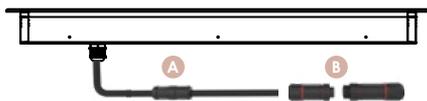


High voltage

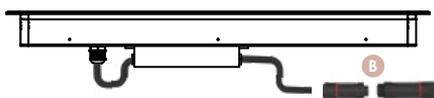


WATER PROOF SOLUTION

Low voltage



High voltage

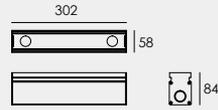


A Water-Stopper(Included)
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.

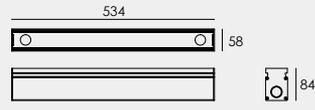
B IP67 Jiffy quick plug/socket connector(Option)
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE (Included)

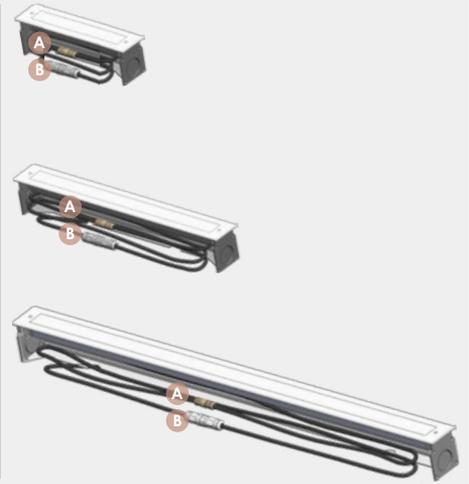
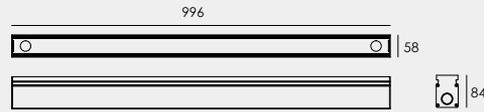
HX311BLI3-7.2
Recessed sleeve **145#**



HX543BLI3-14.4
Recessed sleeve **146#**



HX1006BLI1G-28.8
Recessed sleeve **147#**



- HOUSING** Extruded aluminum, powder coated
- FRONT COVER** Hard chrome-plated stainless steel SUS 31 6L
- LIGHT WINDOW** Tempered step glass, T=6mm
- LENS**
- 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** Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
- MOUNTING SLEEVE** Powder Coated Aluminum
- DIMMING SUPPORT** Triac PWM Available
1-10V Dali Customized

OPTICS

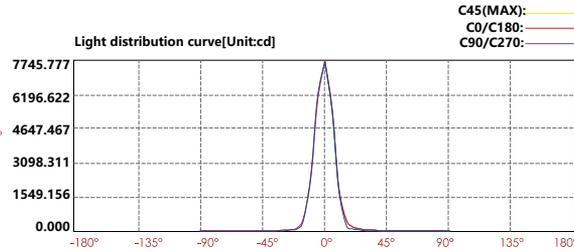
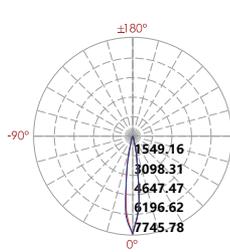
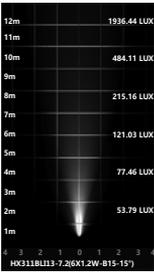
Referenced Degree(°) 91/2



B15

10° 15° 20° 30°

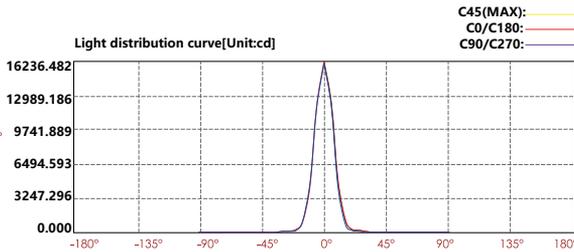
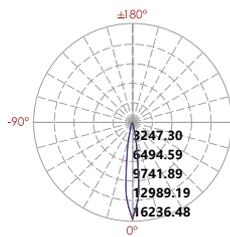
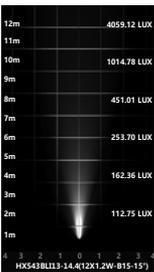
PHOTOMETRIC



Lux distance cure

Center beam LUX	Illuminance at a distance	
	Beam width V	Beam width H
2m	1936.44 LUX	0.5m 0.5m
4m	484.11 LUX	1.1m 1.1m
6m	215.16 LUX	1.6m 1.6m
8m	121.03 LUX	2.2m 2.2m
10m	77.46 LUX	2.7m 2.7m
12m	53.79 LUX	3.3m 3.2m

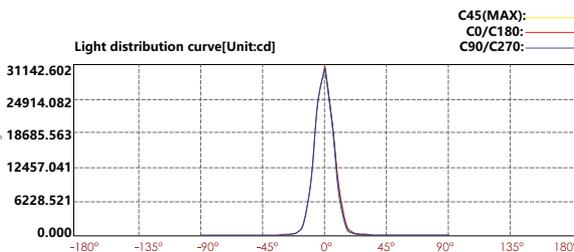
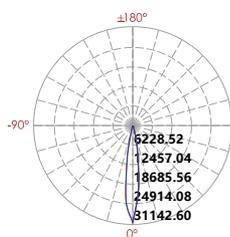
Ver.Spread:15.5 Horiz.Spread:15.4



Lux distance cure

Center beam LUX	Illuminance at a distance	
	Beam width V	Beam width H
2m	4059.12 LUX	0.5m 0.5m
4m	1014.78 LUX	1.1m 1.1m
6m	451.01 LUX	1.6m 1.6m
8m	253.70 LUX	2.2m 2.2m
10m	162.36 LUX	2.7m 2.7m
12m	112.75 LUX	3.2m 3.3m

Ver.Spread:15.3 Horiz.Spread:15.5



Lux distance cure

Center beam LUX	Illuminance at a distance	
	Beam width V	Beam width H
2m	7785.65 LUX	0.5m 0.5m
4m	1946.41 LUX	1.1m 1.1m
6m	865.07 LUX	1.6m 1.6m
8m	486.60 LUX	2.1m 2.2m
10m	311.43 LUX	2.7m 2.7m
12m	216.27 LUX	3.2m 3.3m

Ver.Spread:15.2 Horiz.Spread:15.5



ITEM
HX325BLI13-12

LIGHT SOURCE
6×2W

LENS
B3

SELECTED DEGREE(°)Ø1/2
20°

INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

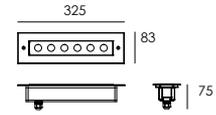
OPERATING CURRENT(MA)
DC 24=625 AC 120=100 AC 240=57

CONSUMPTION(W)
DC 24=15 AC 120=11.8 AC 240=12.1

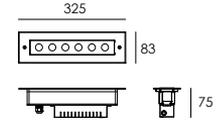
LUMINANCE(LM)
WW=1226

IK
06

Low voltage



High voltage



ITEM
HX565BLI13-24

LIGHT SOURCE
12×2W

LENS
B33

SELECTED DEGREE(°)Ø1/2
20°

INPUT VOLTAGE(V)
DC 24 AC 120 AC 240

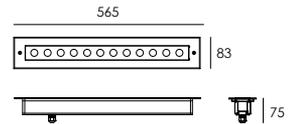
OPERATING CURRENT(MA)
DC 24=1250 AC 120=257 AC 240=148

CONSUMPTION(W)
DC 24=30 AC 120=30.4 AC 240=31.4

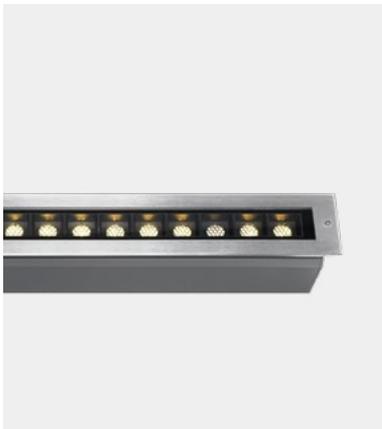
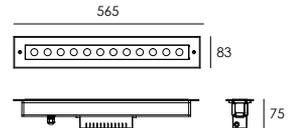
LUMINANCE(LM)
WW=2432

IK
06

Low voltage



High voltage



ITEM
HX1045BLI13-48

LIGHT SOURCE
24×2W

LENS
B33

SELECTED DEGREE(°)Ø1/2
20°

INPUT VOLTAGE(V)
AC 240

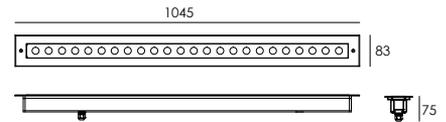
OPERATING CURRENT(MA)
DC 24=2500 AC 240=224

CONSUMPTION(W)
DC 24=60 AC 240=51.1

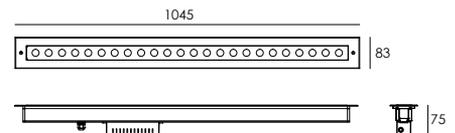
LUMINANCE(LM)
WW=4924

IK
06

Low voltage



High voltage

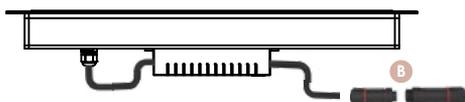


WATER PROOF SOLUTION

Low voltage



High voltage

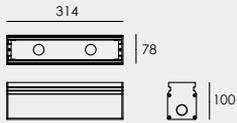


A Water-Stopper(Included)
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.

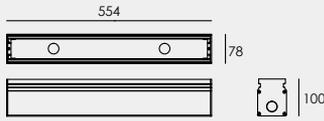
B IP67 Jiffy quick plug/socket connector(Option)
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE (Included)

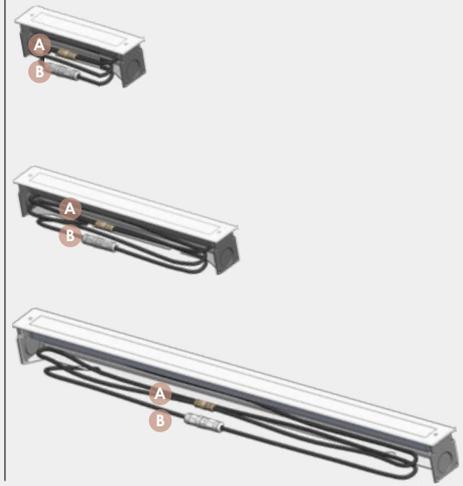
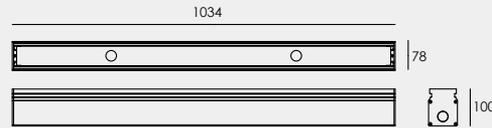
HX325BLI13-12
Recessed sleeve **142#**



HX565BLI13-24
Recessed sleeve **143#**



HX1045BLI13-48
Recessed sleeve **144#**



- HOUSING** Extruded aluminum, powder coated
- FRONT COVER** Hard chrome-plated stainless steel SUS 31 6L
- LIGHT WINDOW** Tempered step glass, T=6mm
- LENS**
- 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** Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
- MOUNTING SLEEVE** Powder Coated Aluminum
- DIMMING SUPPORT** Triac, PWM Available
1-10V Dali Customized

OPTICS

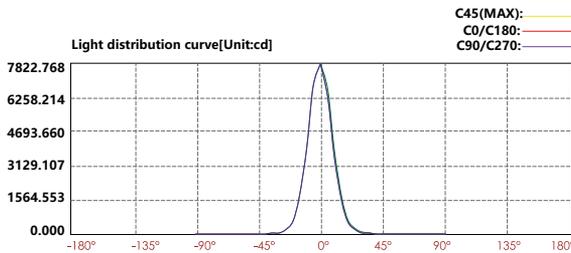
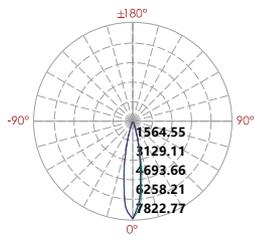
Referenced Degree(°)91/2



B33

- 9°
- 15°
- 20°
- 45°
- 60°

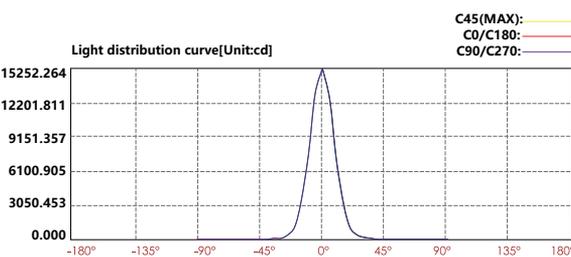
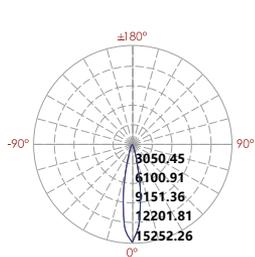
PHOTOMETRIC



Lux distance cure

Center beam LUX	Illuminance at a distance	
	Beam width V	Beam width H
2m	1950.23 LUX	0.7m 0.7m
4m	487.56 LUX	1.4m 1.4m
6m	216.69 LUX	2.1m 2.1m
8m	121.89 LUX	2.7m 2.7m
10m	78.01 LUX	3.4m 3.4m
12m	54.17 LUX	4.1m 4.1m

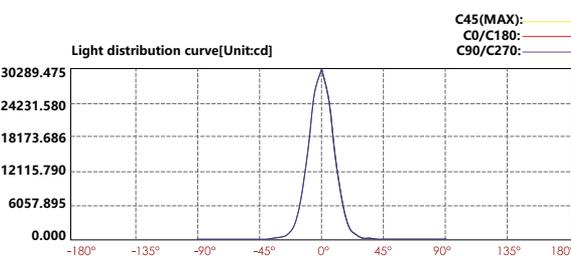
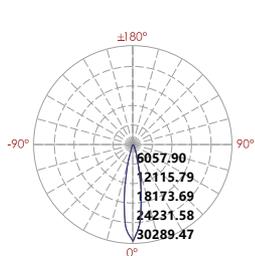
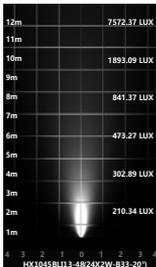
Ver.Spread:19.5 Horiz.Spread:19.5



Lux distance cure

Center beam LUX	Illuminance at a distance	
	Beam width V	Beam width H
2m	3813.07 LUX	0.7m 0.7m
4m	953.27 LUX	1.4m 1.4m
6m	423.67 LUX	2.1m 2.1m
8m	238.32 LUX	2.8m 2.8m
10m	152.52 LUX	3.5m 3.5m
12m	105.92 LUX	4.2m 4.2m

Ver.Spread:19.7 Horiz.Spread:19.7



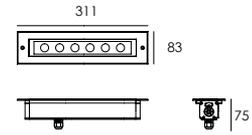
Lux distance cure

Center beam LUX	Illuminance at a distance	
	Beam width V	Beam width H
2m	7572.37 LUX	0.7m 0.7m
4m	1893.69 LUX	1.4m 1.4m
6m	841.37 LUX	2.1m 2.1m
8m	473.27 LUX	2.8m 2.8m
10m	302.89 LUX	3.5m 3.5m
12m	210.34 LUX	4.2m 4.2m

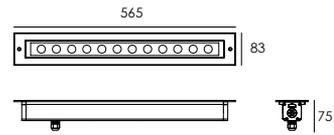
Ver.Spread:20.1 Horiz.Spread:20.0



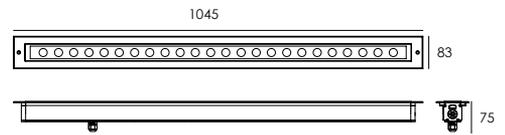
ITEM	HX311BALI13-7.8
LIGHT SOURCE	6×1.3W OSRAM
LENS	B89
LENTH(MM)	311
SELECTED DEGREE(°)Ø1/2	10°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=355 AC 120=71 AC 240=41
CONSUMPTION(W)	DC 24=8.5 AC 120=8.5 AC 240=8.7
LUMINANCE(LM)	707
IK	06



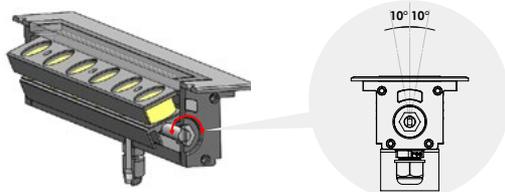
ITEM	HX565BALI13-15.6
LIGHT SOURCE	12×1.3W OSRAM
LENS	B89
LENTH(MM)	565
SELECTED DEGREE(°)Ø1/2	10°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=707 AC 120=141 AC 240=72
CONSUMPTION(W)	DC 24=17 AC 120=16.8 AC 240=16.8
LUMINANCE(LM)	1517
IK	06



ITEM	HX1045BALI13-31.2
LIGHT SOURCE	24×1.3W OSRAM
LENS	B89
LENTH(MM)	1045
SELECTED DEGREE(°)Ø1/2	10°
INPUT VOLTAGE(V)	DC 24 AC 240
OPERATING CURRENT(MA)	DC 24=1472 AC 240=140
CONSUMPTION(W)	DC 24=35 AC 240=32
LUMINANCE(LM)	2977
IK	06



ANGLE ADJUSTABLE



WATER PROOF SOLUTION



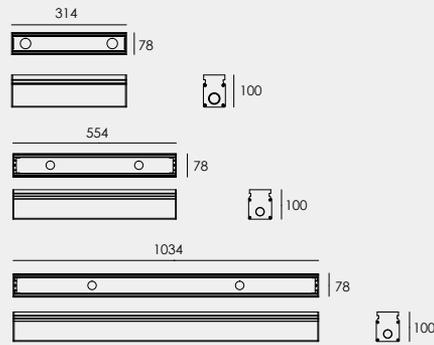
- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Option)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

SLEEVE (Included)

HX311BALI13-7.8
Recessed sleeve **142#**

HX565BALI13-15.6
Recessed sleeve **143#**

HX1045BALI13-31.2
Recessed sleeve **144#**



- HOUSING** Extruded aluminum, powder coated
- FRONT COVER** Hard chrome-plated stainless steel SUS 316L
- LIGHT WINDOW** Tempered step glass.T=6mm
- LENS**
- 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** Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
- MOUNTING SLEEVE** Powder Coated Aluminum
- DIMMING SUPPORT** Triac PWM Available
1-10V Dali Customized

OPTICS

Referenced Degree(°)9|1|2



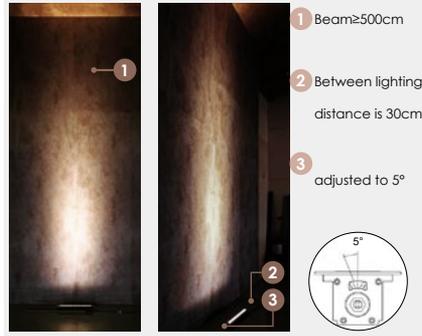
B89

- 8°
- 10°
- 12°
- 20°
- 30°
- 45°
- 12°×45°

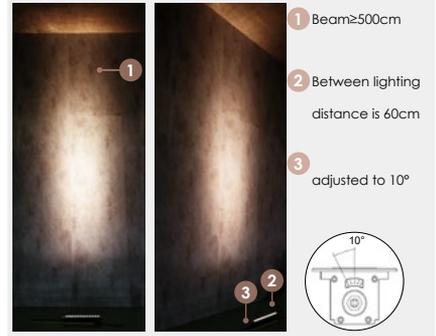
BEAM DEMO 1



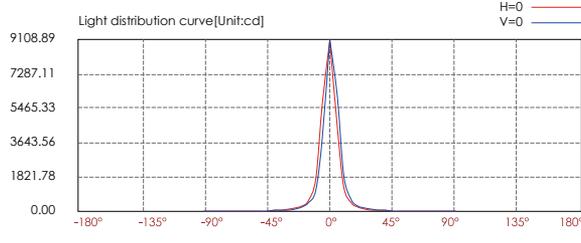
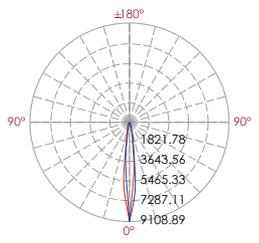
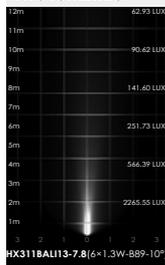
BEAM DEMO 2



BEAM DEMO 3



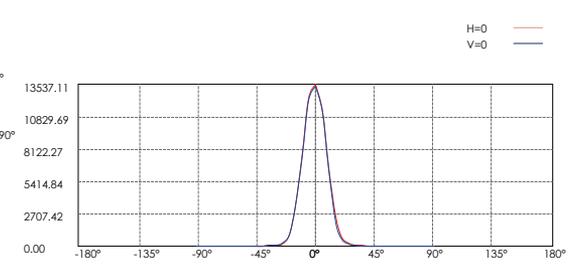
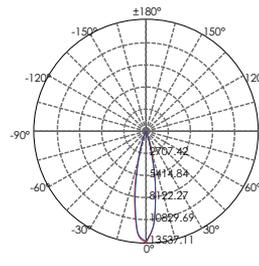
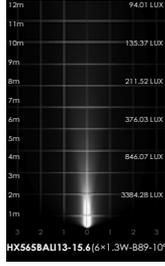
PHOTOMETRIC



Lux distance curve

Center beam LUX	Beam width V	H
2265.55 LUX	0.4m	0.4m
566.39 LUX	0.8m	0.8m
251.73 LUX	1.2m	1.2m
141.60 LUX	1.6m	1.6m
90.62 LUX	2.0m	2.0m
62.93 LUX	2.4m	2.4m

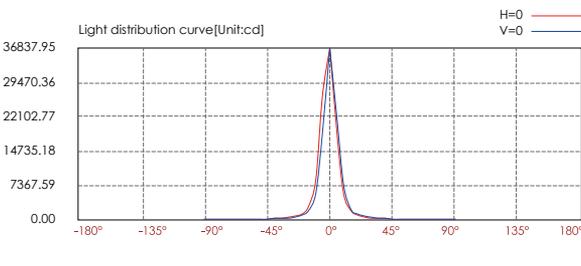
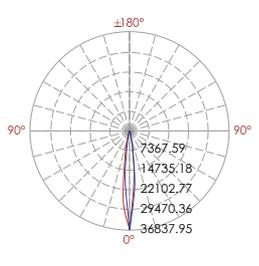
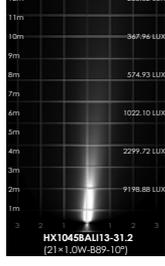
Ver.Spread: 11.4 Horiz.Spread: 11.2



Lux distance Curve

Center Beam LUX	Beam Width V	H
3384.28 LUX	0.7m	0.7m
846.07 LUX	1.5m	1.5m
376.03 LUX	2.2m	2.2m
211.52 LUX	3.0m	2.9m
135.37 LUX	3.7m	3.7m
94.01 LUX	4.5m	4.4m

Vert.Spread:21.1 Horiz.Spread:20.8



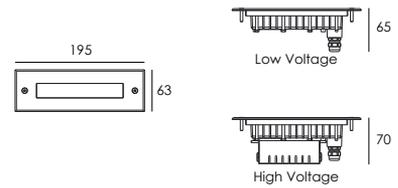
Lux distance curve

Center beam LUX	Beam width V	H
9198.88 LUX	0.4m	0.4m
2299.72 LUX	0.8m	0.8m
1022.10 LUX	1.3m	1.1m
574.93 LUX	1.7m	1.5m
367.96 LUX	2.1m	1.9m
255.52 LUX	2.5m	2.3m

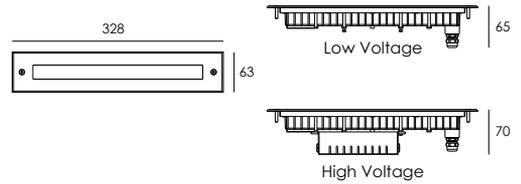
Ver.Spread: 12.1 Horiz.Spread: 10.9



ITEM	HX195BLI14-6
LIGHT SOURCE	3×2W
LENS	B27
SELECTED DEGREE(°)Ø1/2	25°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=240 AC 120=74 AC 240=43
CONSUMPTION(W)	DC 24=5.7 AC 120=5.4 AC 240=5.6
LUMINANCE(LM)	CW=508 WW=395
IK	08



ITEM	HX328BLI14-12
LIGHT SOURCE	6×2W
LENS	B27
SELECTED DEGREE(°)Ø1/2	25°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=550 AC 120=100 AC 240=57
CONSUMPTION(W)	DC 24=13.2 AC 120=11.8 AC 240=12.1
LUMINANCE(LM)	CW=1100 WW=960
IK	08

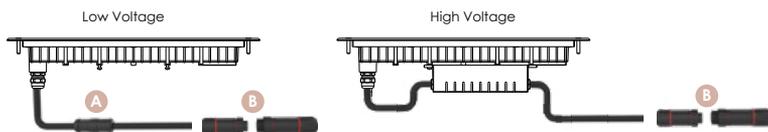


MOUNTING SLEEVE CHARACTERISTIC



- 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.

WATER PROOF SOLUTION

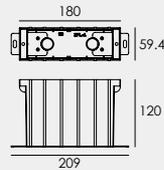


- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP67 Jiffy quick plug/socket connector(Optional)**
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

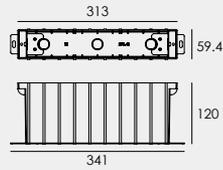
SLEEVE (Included)



Recessed sleeve 110#



Recessed sleeve 111#



FRONT COVER	Hard chromeplated stainless steel SUS 316#
HOUSING	12# Die-casting aluminum dark grey powder coated T=60-80µm. Adhesion of ISO class 1/ASTM class 4B
LIGHT WINDOW	Tempered step glass. T=8mm
GASKET	Silicon rubber molding shaped seal
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm², L=0.5m 120V/240V: H05RN-F 3×1.0mm², L=0.5m)
CABLE GLAND	IP68 PG-9 PA66
LED TYPE	OSRAM SMD3030
LED DRIVER	Constant Voltage Input, Constant Current Output
LENS	
PCB	Excellent heat conductivity aluminum,
RECESSED SLEEVE MATERIAL	PC/ABS ALLOYS
GLASS PRESSURE CAPACITY	Full area=3251kgs
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized
IP	IP67
OPERATING TEMPERATURE	-20°C~40°C

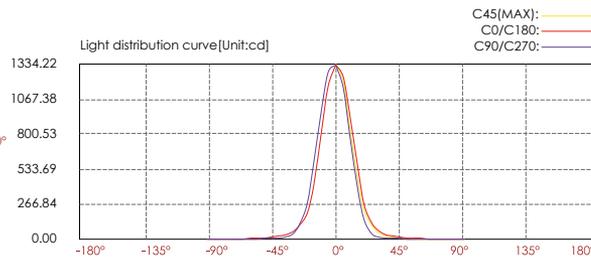
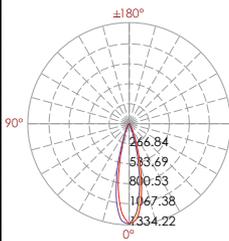
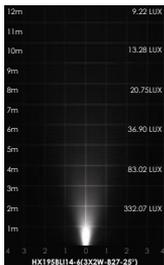
OPTICS

Referenced Degree(°)θ1/2



B26	8°		
B27	13°	25°	30°

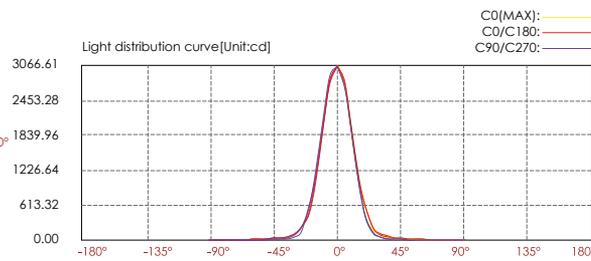
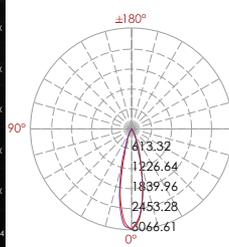
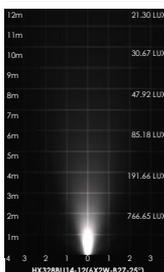
PHOTOMETRIC



Lux distance cure

Distance (m)	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



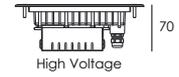
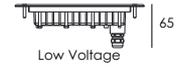
Lux distance cure

Distance (m)	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

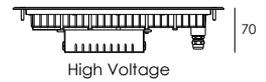
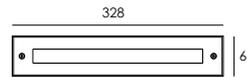
Ver.Spread:25.3 Horiz.Spread:24.8



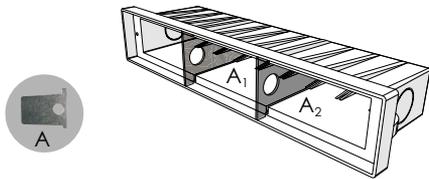
ITEM	HX195BLI14-6E
LIGHT SOURCE	3×2W
LENS	C11
SELECTED DEGREE(°)Ø1/2	45°/35°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=240 AC 120=74 AC 240=43
CONSUMPTION(W)	DC 24=5.7 AC 120=5.4 AC 240=5.6
LUMINANCE(LM)	CW=340 WW=344
IK	08



ITEM	HX328BLI14-12E
LIGHT SOURCE	6×2W
LENS	C11
SELECTED DEGREE(°)Ø1/2	45°/35°
INPUT VOLTAGE(V)	DC 24 AC 120 AC 240
OPERATING CURRENT(MA)	DC 24=550 AC 120=100 AC 240=57
CONSUMPTION(W)	DC 24=13.2 AC 120=11.8 AC 240=12.1
LUMINANCE(LM)	CW=875 WW=823
IK	08



MOUNTING SLEEVE CHARACTERISTIC



Low voltage type



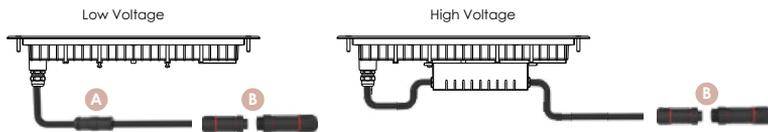
Outside gear box for high voltage



- 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.

WATER PROOF SOLUTION

Water proof solution



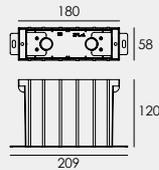
A Water-Stopper(Included)
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.

B IP67 Jiffy quick plug/socket connector(Optional)
A IP-67 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

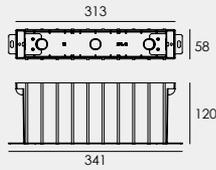
SLEEVE (Included)



Recessed sleeve 110#



Recessed sleeve 111#



- FRONT COVER** Hard chromeplated stainless steel SUS 316#
- HOUSING** 12# Die-casting aluminum dark grey powder coated
- LIGHT WINDOW** T=60-80µm.Adhesion of ISO class 1/ASTM class 4B Tempered step glass.T=8mm
- GASKET** Silicon rubber molding shaped seal
- POWER CABLE** Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
- CABLE GLAND** IP68 PG-9 PA66
- LED TYPE** OSRAM SMD3030
- LED DRIVER** Constant Voltage Input,Constant Current Output
- LENS**
- PCB** Excellent heat conductivity aluminum.
- RECESSED SLEEVE MATERIAL** PC/ABS ALLOYS
- GLASS PRESSURE CAPACITY** Full area=3,251kgs
- DIMMING SUPPORT** Triac PWM Available
1-10V Dali Customized
- IP** IP67
- OPERATING TEMPERATURE** -20°C~40°C

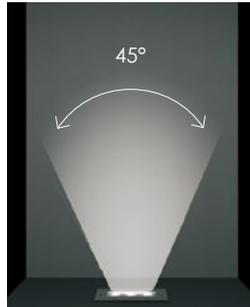
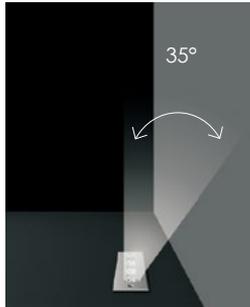
OPTICS



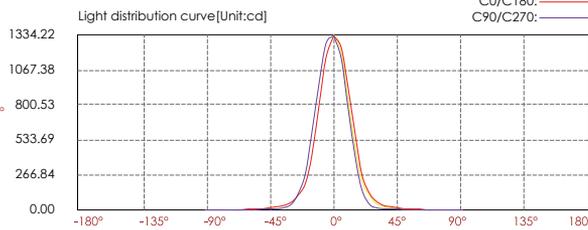
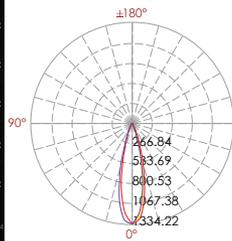
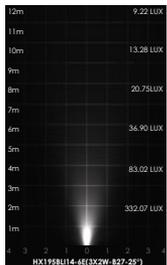
C11

45°/35°

IMPRESSION DRAWING OF LENS



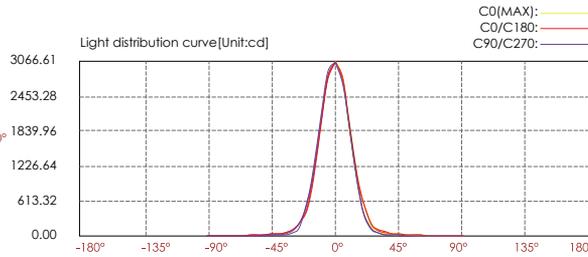
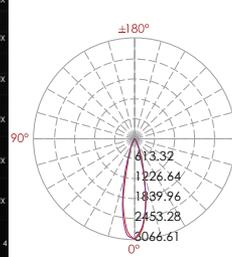
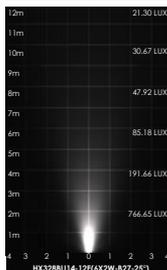
PHOTOMETRIC



Lux distance cure

Center beam LUX	Illuminance at a distance	
	Beam width V	Beam width H
2m	0.9m	0.9m
4m	1.8m	1.8m
6m	2.7m	2.7m
8m	3.6m	3.6m
10m	4.5m	4.5m
12m	5.4m	5.4m

Ver.Spread:25.6 Horiz.Spread:25.6



Lux distance cure

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

Ver.Spread:25.3 Horiz.Spread:24.8