



Landscape underwater spot light

Designing your lighting solutions



Common feature

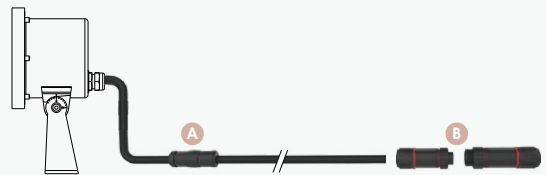
Upgraded materials and waterproof performance

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 IP68 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.



Housing whole set made by stainless steel 316L

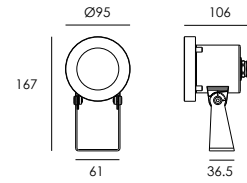
- 316L stainless steel housing(marine grade) are used in all series products.



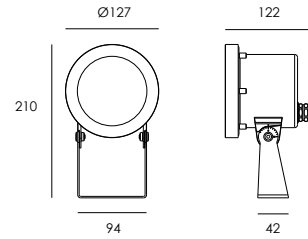
Underwater LED Spotlight IP68



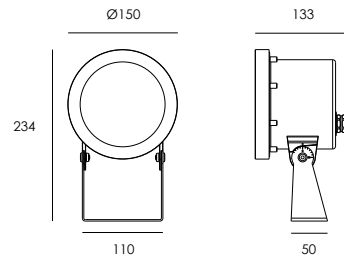
ITEM	B5XA0681
LIGHT SOURCE	6×1,5W
SELECTED DEGREE(°)Ø1/2	B71 / 24°
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	416
CONSUMPTION(W)	10
LUMINANCE(LM)	800
IK	08



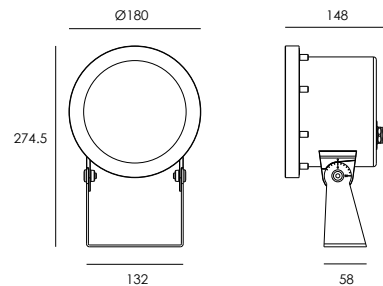
ITEM	B5YA0365
LIGHT SOURCE	3×5,5W
SELECTED DEGREE(°)Ø1/2	B33 / 24°(20°)
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	830
CONSUMPTION(W)	20
LUMINANCE(LM)	1428
IK	08



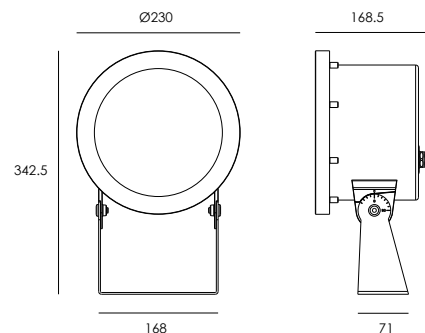
ITEM	B5ZA0665
LIGHT SOURCE	6×4,5W
SELECTED DEGREE(°)Ø1/2	B33 / 24°(20°)
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	1250
CONSUMPTION(W)	30
LUMINANCE(LM)	2581
IK	08



ITEM	B5DA1259
LIGHT SOURCE	12×3,5W
SELECTED DEGREE(°)Ø1/2	B33 / 24°(20°)
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	1850
CONSUMPTION(W)	45
LUMINANCE(LM)	3872
IK	08

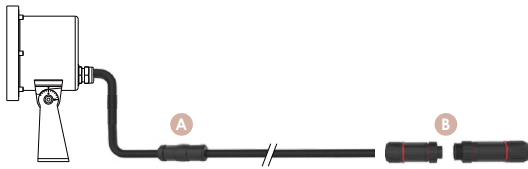


ITEM	B5UA1265
LIGHT SOURCE	12×5W
SELECTED DEGREE(°)Ø1/2	B33 / 24°(20°)
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	2860
CONSUMPTION(W)	68.5
LUMINANCE(LM)	5562
IK	08



Underwater LED Spotlight IP68

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 IP68 Jiffy quick plug/socket connector(Optional)

A IP-68 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

FRONT COVER & HOUSING	Hard chromeplated molding shaped stainless steel SUS 316#
LIGHT WINDOW	PMMA 8mm
GASKET	Silicone gasket
LED	Nichia
CABLE GLAND	IP68 PG-11 copper with nickel-coated
PCB	Excellent heat conductivity aluminum.coefficient of heatConductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input,Constant Current Output
POWER CABLE OPTIONAL	Outside of luminaire H07RN-F 2×1.0mm ² with water-stopper, L=1m, 3m, 5m
BUILT-IN OVERHEAT SENSOR SYSTEM	Automatic Shutdown at 75°C
OPERATING TEMPERATURE	Temperature of water between -20°C~40°C less than 1 meter depth.
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized

OPTICS

Referenced Degree(°)91/2



B71

15°

24°

33°

45°

60°



B33

9°

15°

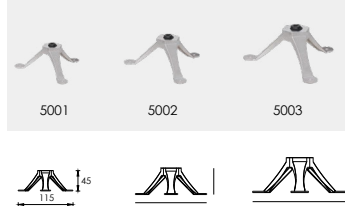
20°

45°

60°

ACCESSORIES(Optional)

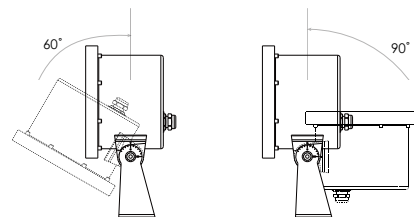
TRIPOD



ID	Fitted Item
5001	B5XA0681
5002	B5YA0365
5003	B5ZA0665 B5DA1259 B5UA1265



ADJUSTABLE BEAM DIRECTION



OVERVIEW



PHOTOMETRIC CURVES



Illuminance at a distance		Beam width	
Center beam LUX		V	H
2m	801.78 LUX	0.9m	0.9m
4m	200.44 LUX	1.8m	1.8m
6m	89.09 LUX	2.7m	2.7m
8m	50.11 LUX	3.5m	3.6m
10m	32.07 LUX	4.4m	4.5m
12m	22.27 LUX	5.3m	5.3m

Ver.Spread: 25.0 Horiz.Spread: 25.1



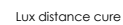
Illuminance at a distance		Beam width	
Center beam LUX		V	H
2m	1625.56 LUX	0.8m	0.8m
4m	406.39 LUX	1.6m	1.6m
6m	180.62 LUX	2.5m	2.4m
8m	101.60 LUX	3.3m	3.2m
10m	65.02 LUX	4.1m	4.0m
12m	45.15 LUX	4.9m	4.9m

Ver.Spread: 23.2 Horiz.Spread: 22.9



	Illuminance at a distance		
	Center beam LUX	Beam width V	H
2m	2547.75 LUX	0.9m	0.9m
4m	636.94 LUX	1.7m	1.7m
6m	283.08 LUX	2.6m	2.6m
8m	159.23 LUX	3.5m	3.4m
10m	101.91 LUX	4.3m	4.3m
12m	70.77 LUX	5.2m	5.1m

Ver.Spread: 24.4 Horiz.Spread: 24.2



Illuminance at a distance			
Center beam LUX		Beam width	
		V	H
2m	3529.35 LUX	0.9m	0.9m
4m	882.34 LUX	1.7m	1.7m
6m	392.15 LUX	2.6m	2.6m
8m	220.58 LUX	3.5m	3.4m
10m	141.17 LUX	4.3m	4.3m
12m	98.04 LUX	5.2m	5.1m

Ver.Spread: 24.1 Horiz.Spread: 24.1



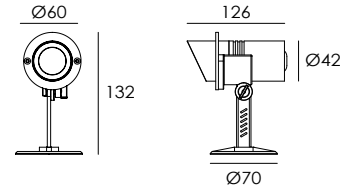
Illuminance at a distance		Beam width	
Center beam LUX		V	H
2m	6281.40 LUX	0.8m	0.8m
4m	1570.35 LUX	1.6m	1.6m
6m	697.93 LUX	2.4m	2.4m
8m	392.59 LUX	3.2m	3.2m
10m	251.26 LUX	4.0m	4.0m
12m	174.48 LUX	4.8m	4.8m

Ver.Spread: 22.8 Horiz.Spread: 22.8

Small Type Underwater LED Spotlight IP68



ITEM	B5AF0159
LIGHT SOURCE	1×3.6W OSRAM
SELECTED DEGREE(°)Ø1/2	B73 / 30°
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	210
CONSUMPTION(W)	5
LUMINANCE(LM)	CW=426 WW=322
IK	06



•Warning : Must be installed under the water to prevent the light from being burnt off because of over-heating.

WATER PROOF SOLUTION

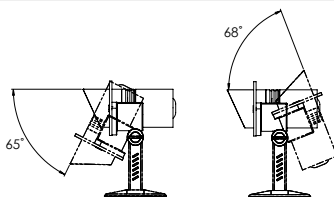


- A Water-Stopper(Included)**
A IP-67 water-stopper is added in the end of luminaires as standard assembly which is also an important system for water resistance.
- B IP68 Jiffy quick plug/socket connector(Optional)**
A IP-68 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

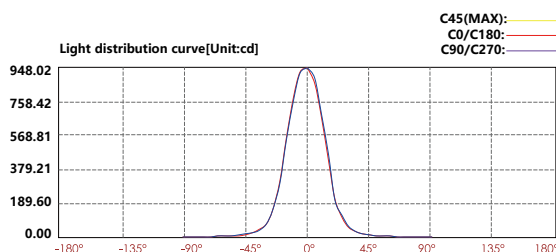
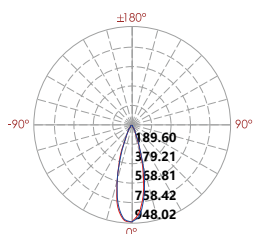
HOUSING	Hard chromeplated Molding shaped stainless steel SUS 316#
FRONT COVER	Hard chromeplated Stainless steel SUS 316#
LIGHT WINDOW	Step tempered glass.T=8mm
WATERPROOF SEAL	EPDM gasket
LENS	Separate OPTICS lens efficiency≥85%
CABLE GLAND	IP68 M1 6a copper with nickel-coated
PCB	Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input,Constant Current Output
POWER CABLE OPTIONAL	Outside of luminaire H07RN-F 2×1.0mm ² with water-stopper, L=1m, 3m, 5m
OPERATING TEMPERATURE	Temperature of water between -20°C~40°C less than 1 meter depth
DIMMING SUPPORT	Triac. PWM Available 1-10V Dali Customized

		Referenced Degree(°)Ø1/2				
	B33	9°	15°	20°	45°	60°
	B73	30°				

ADJUSTABLE BEAM DIRECTION



PHOTOMETRIC CURVES

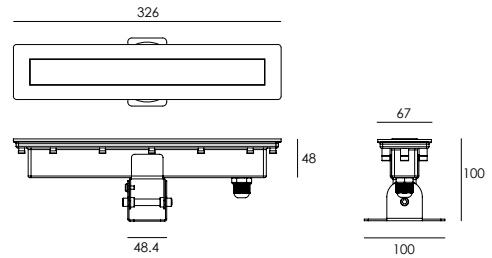


Lux distance curve			
Illuminance at a distance		Beam width	
Center beam LUX		V	H
2m 235.63 LUX		1.1m	1.1m
4m 58.91 LUX		2.2m	2.2m
6m 26.18 LUX		3.3m	3.3m
8m 14.73 LUX		4.4m	4.5m
10m 9.43 LUX		5.5m	5.6m
12m 6.55 LUX		6.6m	6.7m
Ver.Spread:30.6		Horiz.Spread:31.2	

Underwater LED Spotlight IP68



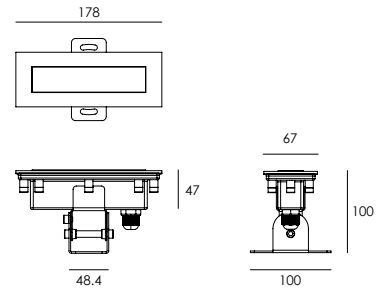
ITEM	B5QA0658
LIGHT SOURCE	6×3W NICHIA
SELECTED DEGREE(°)Ø1/2	B27 / 30°
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	950
CONSUMPTION(W)	22.8
LUMINANCE(LM)	CW=1578 WW=1324
IK	10



• **Warning** : Must be installed under the water to prevent the light from being burnt off because of over-heating.

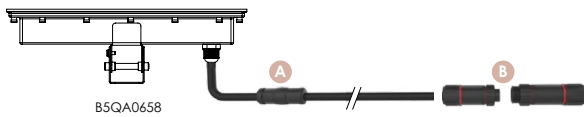


ITEM	B5QA0358
LIGHT SOURCE	3×3.4W NICHIA
SELECTED DEGREE(°)Ø1/2	B27 / 30°
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	535
CONSUMPTION(W)	12.8
LUMINANCE(LM)	1000
IK	09

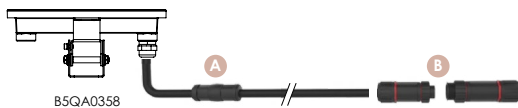


• **Warning** : Must be installed under the water to prevent the light from being burnt off because of over-heating.

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.

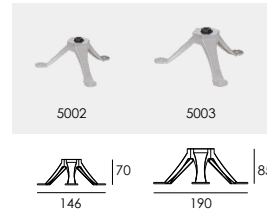


B IP68 Jiffy quick plug/socket connector(Optional)
A IP-68 connector is as an optional assembly and ensures that water vapor will not enter into luminaires directly.

Underwater LED Spotlight IP68

ACCESSORIES(Optional)

TRIPOD



ID	Fitted Item
5002	B5QA0358
5003	B5QA0658



HOUSING

Hard chromeplated molding shaped stainless steel
SUS 316L#

FRONT COVER

Hard chromeplated stainless steel SUS 316L#

LIGHT WINDOW

UVstop & Fireproof PC

GASKET

Silicone gasket

LENS

OPTICS lens, efficiency≥85%

BRACKET

SUS 316L#

LED

NICHIA

LED DRIVER

Constant Voltage Input, Constant Current Output

CABLE GLAND

IP68 PG-11 copper with nickel-coated

PCB

Excellent heat conductivity aluminum, coefficient
of heat Conductivity≥2.0w/mk

POWER CABLE OPTIONAL

Outside of luminaire
H07RN-F 2×1.0mm² with water-stopper, L=1m, 3m, 5m

BUILT-IN OVERHEAT SENSOR SYSTEM

Automatic Shutdown at 75°C

APPLICATION ENVIRONMENT

Temperature of water between -20°C~40°C less
than 1 meter depth

DIMMING SUPPORT

Triac PWM Available
1-10V Dali Customized

OPTICS

Referenced Degree(°)91/2



B26

8°



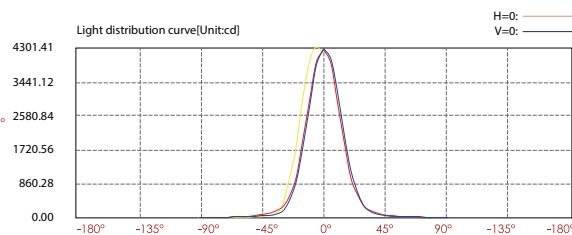
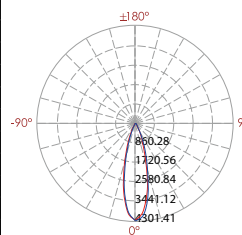
B27

15°

25°

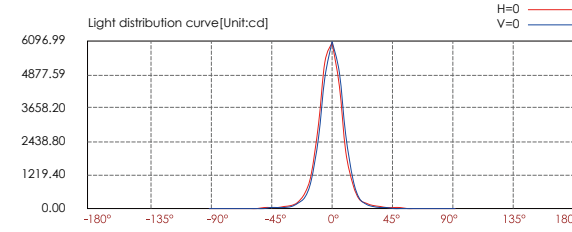
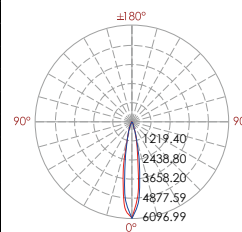
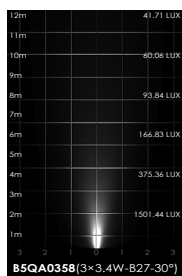
30°

PHOTOMETRIC CURVES



Lux distance cure

Illuminance at a distance			
Center beam LUX	Beam width V	Beam width H	
2m 1059.22 LUX	1.0m	1.0m	
4m 264.81 LUX	2.0m	2.0m	
6m 117.69 LUX	2.9m	3.0m	
8m 66.20 LUX	3.0m	4.0m	
10m 42.37 LUX	4.9m	4.9m	
12m 29.42 LUX	5.9m	5.9m	
Ver.Spread:27.6		Horiz.Spread:27.8	



Lux distance cure

Illuminance at a distance			
Center beam LUX	Beam width V	Beam width H	
2m 1501.44 LUX	0.6m	0.6m	
4m 375.36 LUX	1.3m	1.3m	
6m 166.83 LUX	1.9m	1.9m	
8m 93.84 LUX	2.5m	2.6m	
10m 60.06 LUX	3.2m	3.2m	
12m 41.71 LUX	3.8m	3.8m	
Ver.Spread: 18.0		Horiz.Spread: 18.2	

Contact details

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