UNDERWATER SPOT LIGHT

OPTICS

B33 (B33D/B33F)

9°(B33F) L0109F023YH

15° L0115D023YH

20° L0120D023YH

30° L0130D023YH

45° L0145D023YH

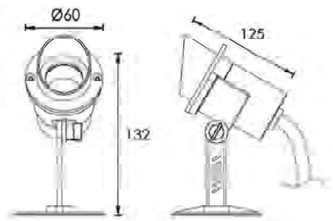
60° L0160D023DM

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



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

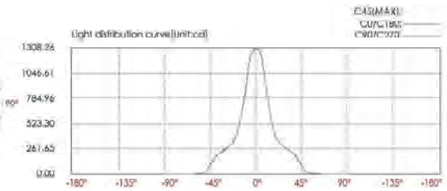
MATERIAL SPECIFICATIONS

HOUSING	Hard chromeplated Molding shaped stainless steel SUS 316L#
FRONT COVER	Hard chromeplated Stainless steel SUS 316L#
LIGHT WINDOW	Step tempered glass.T=7mm
WATERPROOF SEAL	EPDM gasket
LENS	Separate optical 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	H07RN-F 2X1.0mm2 L=3.0m
APPLICATION ENVIRONMENT	Temperature of water between -20°C~40°C less than 1 meter depth
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B5AF0158	1×3W	B33D	30°	24V DC	110	2.6	Cool White = 174 Warm White = 139	06

PHOTOMETRIC CURVES



Lux distance curve

Illuminance at a distance

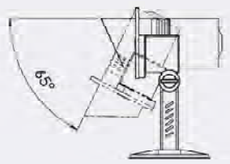
	Center beam LUX	Beam width V	Beam width H
2m	324.84 LUX	1.0m	1.0m
4m	81.21 LUX	1.9m	1.9m
6m	36.09 LUX	2.9m	2.9m
8m	20.30 LUX	3.8m	3.8m
10m	12.99 LUX	4.8m	4.8m
12m	9.02 LUX	5.8m	5.7m

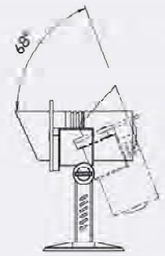
Ver Spread:27.0 Horiz Spread:26.9

TRIAC PWM 1-10V DALI IP68 OUTDOOR RATIO RoHS CE

EST LIGHTS
Quality LED Solutions & Beyond

ADJUSTABLE BEAM DIRECTION





Overheat Sensor Inside

OPTICS

B33
(B33D/B33F)

9°(B33F)
L0109F023YH

15°
L0115D023YH

20°
L0120D023YH

30°
L0130D023YH

45°
L0145D023YH

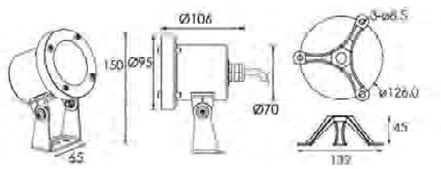
60°
L0160D023MD

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



5001
Tripod-Optional Accessory

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

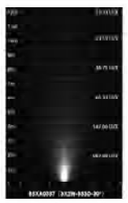
MATERIAL SPECIFICATIONS

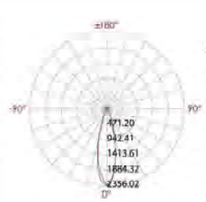
FRONT COVER & HOUSING	Hard chromeplated molding shaped stainless steel sus 316L#
LIGHT WINDOW	PMMA 8mm
GASKET	Silicone gasket
LED	Nichia
CABLE GLAND	IP68 PG-11 copper with nickel-coated
PCB	Excellent heat conductivity aluminum,coefficient of heatConductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input,Constant Current Output
POWER CABLE	H07RN-F 2X1.0mm2 L=3.0m
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
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

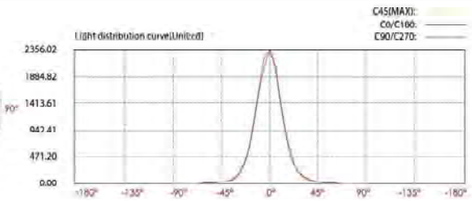
TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B5XA0357	3*2W	B33D	30°	24V DC	320	7.7	Cool White = 760 Warm White = 674	08

PHOTOMETRIC CURVES







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

Lux distance curve

Illuminance at a distance		Beam width V	Beam width H
Center beam LUX			
2m	582.99 LUX	0.9m	0.9m
4m	147.00 LUX	1.8m	1.8m
6m	65.33 LUX	2.8m	2.8m
8m	36.75 LUX	3.7m	3.7m
10m	23.52 LUX	4.6m	4.6m
12m	16.33 LUX	5.5m	5.5m

Ver.Spread:26.0 Horiz.Spread:25.9

TRIAC PWM 1-10V DALI IP68 OUTDOOR RATED RoHS CE

Overheat Sensor Inside

OPTICS

B33
(B33D/B33F)

9°(B33F)
L0109F023YH

15°
L0115D023YH

20°
L0120D023YH

30°
L0130D023YH

45°
L0145D023YH

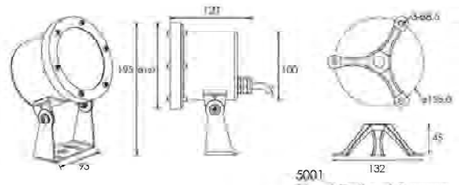
60°
L0160D023MD

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



5001
Tripod-Optional Accessory

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

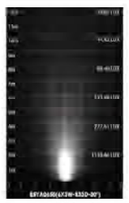
MATERIAL SPECIFICATIONS

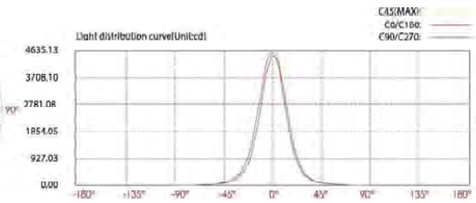
FRONT COVER & HOUSING	Hard chromeplated molding shaped stainless steel sus 316L#
LIGHT WINDOW	PMMA 8mm
GASKET	Silicone gasket
LED	Nichia
CABLE GLAND	IP68 PG-11 copper with nickel-coated
PCB	Excellent heat conductivity aluminum,coefficient of heatConductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input,Constant Current Output
POWER CABLE	H07RN-F 2X1.0mm2 L=3.0m
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
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B5YA0658	6*2W	B33D	30°	24V DC	900	21.5	Cool White = 1700 Warm White = 1503	08

PHOTOMETRIC CURVES





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

Lux distance curve

Illuminance at a distance		Beam width V	Beam width H
Center beam LUX			
2m	1110.46 LUX	1.0m	1.0m
4m	277.61 LUX	2.0m	1.9m
6m	123.38 LUX	2.9m	2.9m
8m	69.40 LUX	3.9m	3.8m
10m	44.42 LUX	4.9m	4.8m
12m	30.85 LUX	5.9m	5.7m

Ver.Spread:27.6 Horiz.Spread:26.9

TRIAC PWM 1-10V DALI IP68 OUTDOOR RATED RoHS CE

Overheat Sensor Inside

OPTICS

B33
(B33D/B33F)

9°(B33F)
L0109F023YH

15°
L0115D023YH

20°
L0120D023YH

30°
L0130D023YH

45°
L0145D023YH

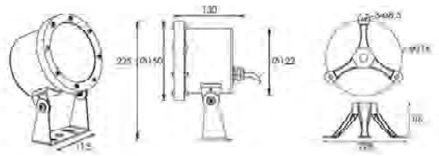
60°
L0160D023MD

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



Tripod-Optional Accessory

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

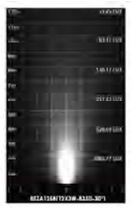
MATERIAL SPECIFICATIONS

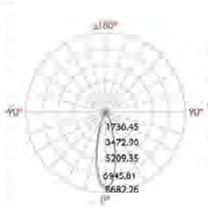
FRONT COVER & HOUSING	Hard chromeplated molding shaped stainless steel sus 316L#
LIGHT WINDOW	PMMA 8mm
GASKET	Silicone gasket
LED	Nichia
CABLE GLAND	IP68 PG-11 copper with nickel-coated
PCB	Excellent heat conductivity aluminum,coefficient of heatConductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input,Constant Current Output
POWER CABLE	H07RN-F 2X1.0mm2 L=3.0m
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
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

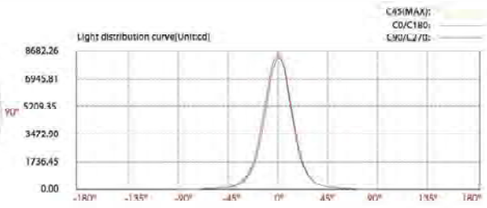
TECHNICAL DATA

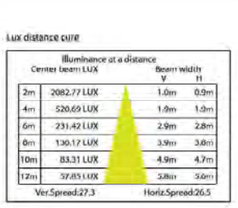
ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B5ZA1258	12×3W	B33D	30°	24V DC	1600	38.4	Cool White = 3031 Warm White = 2668	08

PHOTOMETRIC CURVES









Overheat Sensor Inside

OPTICS

R5

18°
R0118C044XL

25°
R0125C044XL

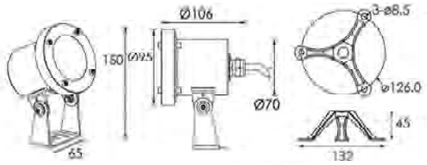
40°
R0140C044XL

LED COLOUR TEMPERATURE

3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



Tripod-Optional Accessory

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

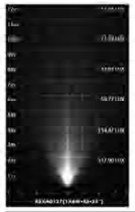
MATERIAL SPECIFICATIONS

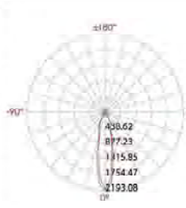
FRONT COVER & HOUSING	Hard chromeplated molding shaped stainless steel sus 316L#
LIGHT WINDOW	PMMA 8mm
GASKET	Silicone gasket
LED	Nichia
REFLECTOR	Optical Reflector,efficiency≥85%
CABLE GLAND	IP68 PG-11 copper with nickel-coated
PCB	Excellent heat conductivity aluminum,coefficient of heatConductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input,Constant Current Output
POWER CABLE	H07RN-F 2X1.0mm2 L=3.0m
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

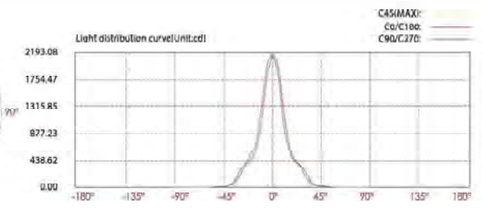
TECHNICAL DATA

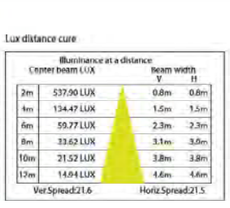
ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R5XA0127	1×8W	R5	25°	24V DC	340	8.1	Cool White = 674 Warm White = 625	08

PHOTOMETRIC CURVES









Overheat Sensor Inside

OPTICS

R18

12°
R0112C075XL

22°
R0122C075XL

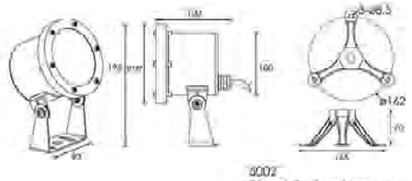
35°
R0135C075XL

55°
R0155C075XL

LED COLOUR TEMPERATURE

3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES Unit:mm



9002
Tripod-Optional Accessory

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

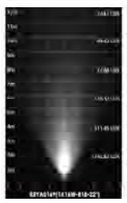
MATERIAL SPECIFICATIONS

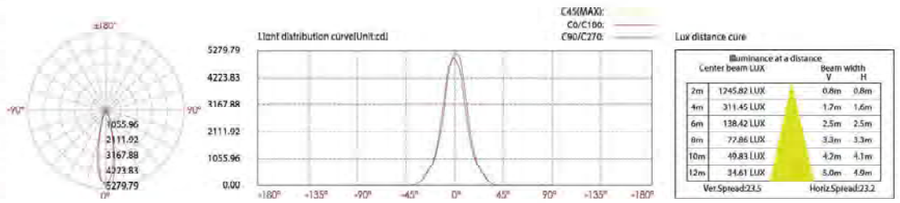
FRONT COVER & HOUSING	Hard chromeplated molding shaped stainless steel sus 316Lti
LIGHT WINDOW	PMMA 8mm
GASKET	Silicone gasket
LED	Nichia
REFLECTOR	Optical Reflector,efficiency≥85%
CABLE GLAND	IP68 PG-11 copper with nickel-coated
PCB	Excellent heat conductivity aluminum,coefficient of heatConductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input,Constant Current Output
POWER CABLE	H07RN-F 2X1.0mm2 L=3.0m
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

TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R5YA0169	1×16W	R18	22°	24V DC	700	17	Cool White = 1344 Warm White = 1183	08

PHOTOMETRIC CURVES





Lux distance curve

Illuminance at a distance

	Center beam LUX	Beam width V	Beam width H
2m	1245.82 LUX	0.8m	0.8m
4m	311.45 LUX	1.7m	1.6m
6m	138.42 LUX	2.5m	2.5m
8m	77.86 LUX	3.3m	3.3m
10m	49.83 LUX	4.2m	4.1m
12m	34.61 LUX	5.0m	4.9m

Ver.Spread:23.5 Horiz.Spread:23.2

IP68 OUTDOOR RATED RoHS CE

Overheat Sensor Inside

OPTICS

R19

10°
R0110C095XL

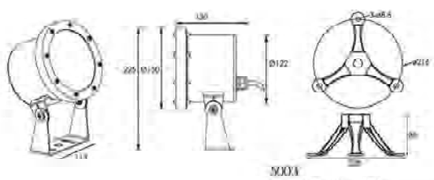
22°
R0122C095XL

38°
R0138C095XL

LED COLOUR TEMPERATURE

3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES Unit:mm



9003
Tripod-Optional Accessory

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

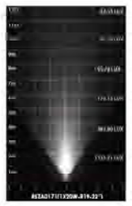
MATERIAL SPECIFICATIONS

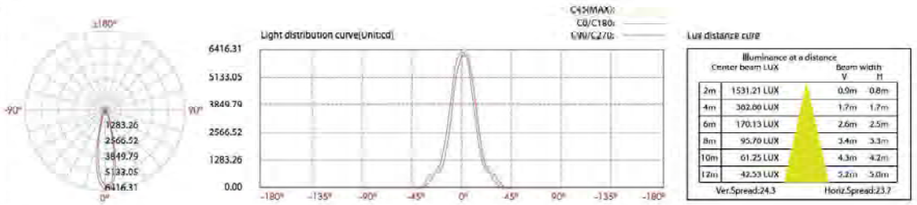
FRONT COVER & HOUSING	Hard chromeplated molding shaped stainless steel sus 316Lti
LIGHT WINDOW	PMMA 8mm
GASKET	Silicone gasket
LED	Nichia
REFLECTOR	Optical Reflector,efficiency≥85%
CABLE GLAND	IP68 PG-11 copper with nickel-coated
PCB	Excellent heat conductivity aluminum,coefficient of heatConductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input,Constant Current Output
POWER CABLE	H07RN-F 2X1.0mm2 L=3.0m
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

TECHNICAL DATA

ITEM	LIGHT SOURCE	REFLECTOR	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
R5ZA0171	1×20W	R19	22°	24V DC	860	20.6	Cool White = 1679 Warm White = 1478	10

PHOTOMETRIC CURVES





Lux distance curve

Illuminance at a distance

	Center beam LUX	Beam width V	Beam width H
2m	1531.21 LUX	0.9m	0.8m
4m	382.80 LUX	1.7m	1.7m
6m	170.13 LUX	2.6m	2.5m
8m	95.70 LUX	3.4m	3.3m
10m	61.25 LUX	4.3m	4.2m
12m	42.53 LUX	5.2m	5.0m

Ver.Spread:24.3 Horiz.Spread:23.7

IP68 OUTDOOR RATED RoHS CE

Overheat Sensor Inside

OPTICS

B32

20°
L0120F024PS

25°
L0125F024PS

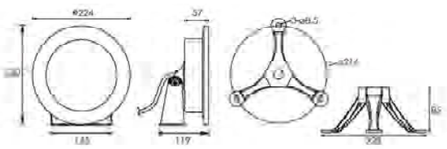
30°
L0130F024PS

35°
L0135F024PS

45°
L0145F024PS

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



Tripod-Optional Accessory

•Warning : Must be installed under the water to prevent the light from burning up because of over-heating.

MATERIAL SPECIFICATIONS

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

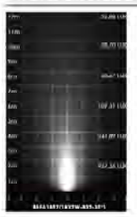
LED COLOUR TEMPERATURE

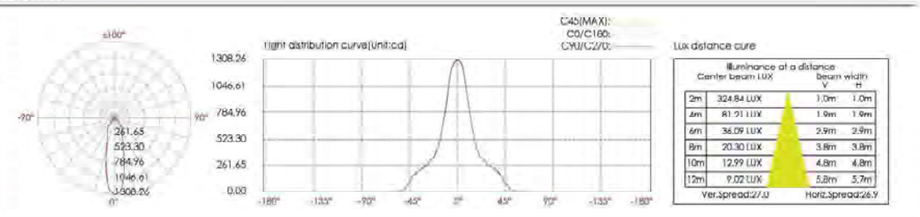
2000K · 3000K · 6000K

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)@1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B5FA1857	18*2W	B32	35°	24V DC	1900	45.6	Cool White = 2221 Warm White = 1828	10

PHOTOMETRIC CURVES





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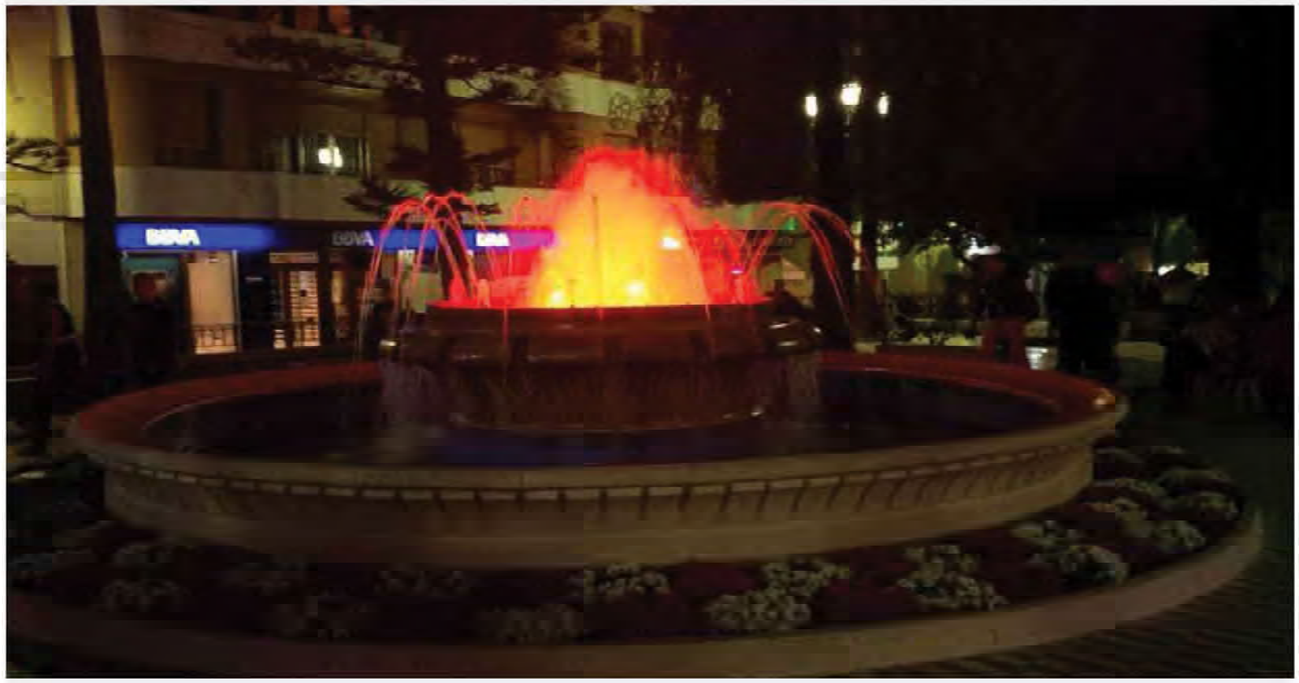
TRIAC PWM 1-10V DALI IP68 RoHS CE



Tripod-Optional Accessory

Bracket

Back View

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Overheat Sensor Inside

OPTICS

B26

8°
L0108C021YT

B27

13°
L0113D021YT

25°
L0125D021YT

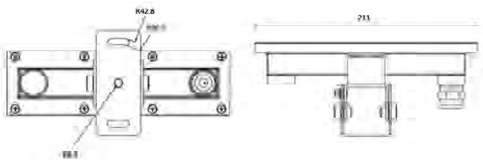
30°
L0130D021YT

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OUTER DIMENSIONS & ACCESSORIES

Unit:mm



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

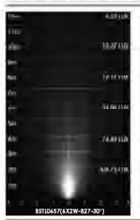
MATERIAL SPECIFICATIONS

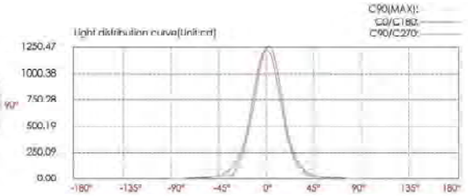
HOUSING	Hard chromeplated molding shaped stainless steel SUS 316L#
FRONT COVER	Hard chromeplated stainless steel SUS 316L#
LIGHT WINDOW	Step tempered glass.T=5mm
LENS	Separate optical lens efficiency≥85%
BRACKET	Hard chromeplated molding shaped stainless steel SUS 316#
LED	OSRAM or NICHIA
CABLE GLAND	IP68 PG-11 copper with nickel-coated
PCB	Excellent heat conductivity aluminum,coefficient of heat Conductivity≥2.0w/mk
SEAL	Molding shaped silicon seal under the front cover Silicon glue among LED,lens and PCB.
POWER CABLE	H07RN-F 2X1.0mm2 L=3.0m
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
DIMMABLE SUPPORT	Triac PWM 1-10V Dali

TECHNICAL DATA

ITEM	LIGHT SOURCE	LENS	LENS DEGREE(°)Θ1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B5TL0657	6×2W	B27	30°	24V DC	491	11.8	Cool White = 605 Warm White = 520	08

PHOTOMETRIC CURVES





Lux distance cure

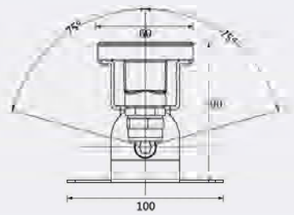
Illuminance at a distance

	Center beam LUX	Beam width V	Beam width H
2m	306.75 LUX	1.1m	1.1m
4m	76.69 LUX	2.1m	2.1m
6m	34.08 LUX	3.2m	3.2m
8m	19.17 LUX	4.2m	4.2m
10m	12.27 LUX	5.3m	5.3m
12m	8.52 LUX	6.4m	6.4m

Ver.Spread:29.9 Horiz.Spread:29.7

TRIAC PWM 1-10V DALI IP68 OUTDOOR RATIO RoHS CE

EST LIGHTS
Quality LED Solutions & Beyond



50° Downward rotation 70° Upward rotation.°

EST™ LIGHTS
Quality LED Solutions & Beyond

Underwater LED Spot Light

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

LED COLOUR TEMPERATURE

2000K · 3000K · 6000K

OPTICS

B26
L0108C021YT 8°

B27
L0113D021YT 13°
L0125D021YT 25°
L0130D021YT 30°

B26

8°

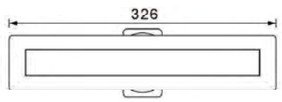
B27

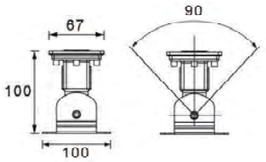
13°

25°

30°

OUTER DIMENSIONS Unit:mm





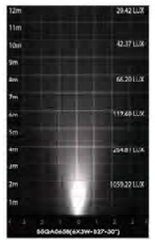
MATERIAL SPECIFICATIONS

Front cover & Housing	Hard chromeplated molding shaped stainless steel sus 316L#
Light Windw	PC
Gasket	Silicone gasket
Lens	Optical lens. efficiency≥85%
PCB	Excellent heat conductivity aluminum.coefficient of heat Conductivity≥2.0w/mk
LED Driver	Constant Voltage Input,Constant Current Output
Power Cable	H05RN-F 2X1.0mm² L=3.0m(for single color)
Applicationenvironment	Temperature of water between -20°C~40°C less than 1 meter depth.
Cable gland	IP68 PG-11 copper with nickel-coated

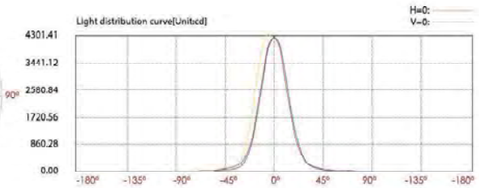
TECHNICAL DATA

Item	Light source	Lens	The manufacturer selected lens degree(°)θ1/2	Input voltage(V)	Typical operating current(mA)	Typical consumption(W)	Typical luminance(lm)	IK rate
B5QA0658	6 ×3W NICHIA	B27	30°	24V DC	950	22.8	Cool white =1578 Warm white =1324	10

PHOTOMETRIC CURVES



B5QA0658



Lux distance cure

Illuminance at a distance

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

Ver.Spread:27.6 Horiz.Spread:27.8

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