نـــورعمـان

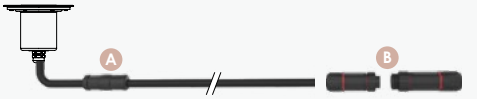
NOOROMAN

NAP....
LED Recessed Pool **Light**

COMMON FEATURE

All products are equipped with water-stopper and optional waterproof connector

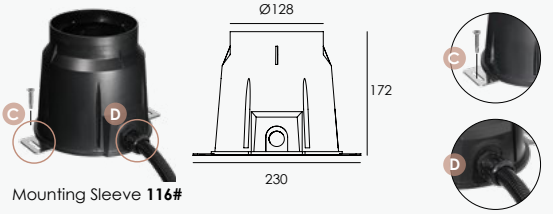
- To accord with the increase of new water-stopper assembly, recessed sleeves of each product are generally amplified that cables, a IP-67 water-stopper and a IP-68 connector can be contained.



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.

- New recessed sleeves are designed to keep the water inside for luminaire cooling.
- These appliances prevent pool water entering the wave tube, the antiseptic (chlorine) in the pool will corrode the surface of wires (rubber or silicone).



Mounting Sleeve **116#**

C **Installation fixture:**
Stainless steel 316L, can be fixed in one position during construction. (this product does not include wave tube)

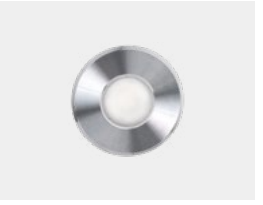
D **Wave tube fixing buckle:**
It is mainly used to firm the connection position of the wave tube and plastic sleeve; with waterproof function, protect the waterproof connector is not damaged by external forces and prevents water from flowing out, which might affect heat dissipation.

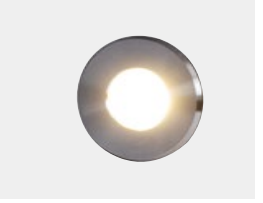
Housing whole set made by stainless steel 316L

- 316L stainless steel housing(marine grade) are used in all series products.
- Water-leading holes are added on front covers to lead water in and create circulating cooling system.
- Marine grade 316L stainless steel is mainly used, 316L as auxiliary.

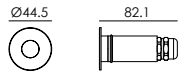
نـــورعمـان
NOOROMAN

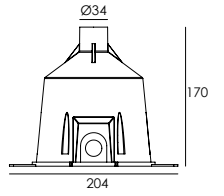
Recessed Pool Light IP-68



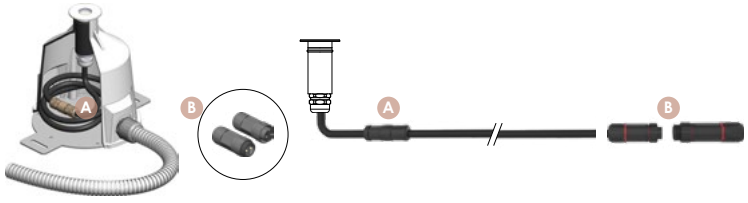


ITEM	NAAC0158F
LIGHT SOURCE	1×2.2W OSRAM
LENS	B15
SELECTED DEGREE(°)θ1/2	30°
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	125
CONSUMPTION(W)	3
LUMINANCE(LM)	CW=200 WW=185
IK	07





WATER PROOF SOLUTION



SLEEVE (Included)

Mounting Sleeve **120#**

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

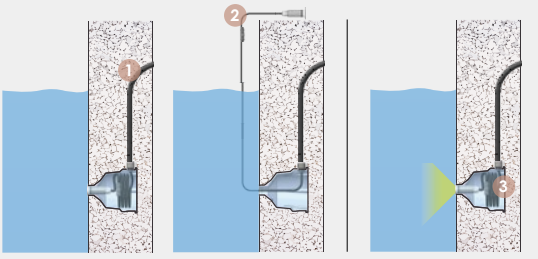
C **Fixator**: Easier mounting sleeve installment.

D **IP68 cable gland**: Prevents water from getting into the cable tube.
※ Please prepare your own cable tube.

FRONT COVER & HOUSING	Molding shaped sus 316# stainless steel housing
LIGHT WINDOW	Step tempered glass. T=4mm
CABLE GLAND	IP68 PG-11 copper with nickel-coated
GASKET	EPDM gasket
RECESSED SLEEVE	PC/ABS ALLOYS **120#**
LENS	OPTICS lens, efficiency≥85%
PCB	Excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input,Constant Current Output Build inside
OPERATING TEMPERATURE	Temperature of water between -20°C~50°C less than 1 meter depth
POWER CABLE OPTIONAL	Outside of luminaire H07RN-F 2×1.0mm² with water-stopper, L=1m, 3m, 5m
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized

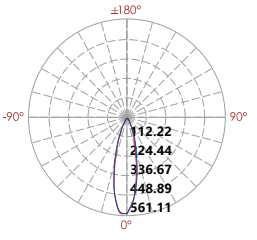
OPTICS Referenced Degree(°)θ1/2

B15	10°	20°	30°

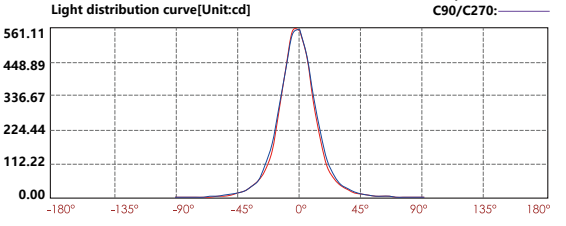


1. Power cable must be higher than water.
2. With certainable length for maintainance at shore.
3. The light must stay under water to prevent the chip from overheating.

PHOTOMETRIC



Light distribution curve[Unit:cd]



Lux distance cure

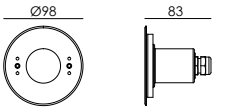
Illuminance at a distance Center beam LUX		Beam width V	H
2m	138.02 LUX	0.9m	1.0m
4m	34.51 LUX	1.9m	2.0m
6m	15.34 LUX	2.8m	3.0m
8m	8.63 LUX	3.8m	4.0m
10m	5.52 LUX	4.7m	5.0m
12m	3.83 LUX	5.6m	6.0m
Ver.Spread:26.5		Horiz.Spread:27.9	

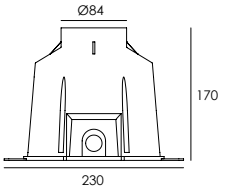
TRIAC **PWM** **1-10V** **DALI** **IP68** OUTDOOR RATED RoHS COMPLIANT CE

نـــورعمان
NOOROMAN

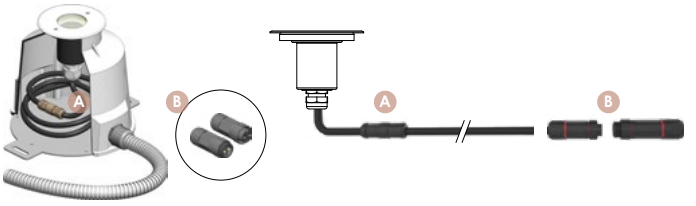
IP-68 Wall Recessed Pool Light
Recessed Pool Light

ITEM	NAAA0358F
LIGHT SOURCE	3×2.2W OSRAM
LENS	A8
SELECTED DEGREE(°)θ1/2	30°
INPUT VOLTAGE(V)	DC 24
OPERATING CURRENT(MA)	305
CONSUMPTION(W)	7.4
LUMINANCE(LM)	CW=520 WW=443
IK	07





WATER PROOF SOLUTION



SLEEVE (Included)

Mounting Sleeve **117#**

Ⓐ **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.

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

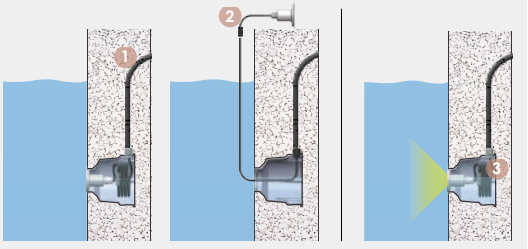
Ⓒ **Fixator**: Easier mounting sleeve installment.

Ⓓ **IP68 cable gland**: Prevents water from getting into the cable tube.
※ Please prepare your own cable tube.

FRONT COVER & HOUSING	Hard chromeplated molding shaped SUS 316L# stainless steel housing
LIGHT WINDOW	Step tempered glass. T=8mm
CABLE GLAND	IP68 PG-11 copper with nickel-coated
GASKET	EPDM gasket
RECESSED SLEEVE	PC/ABS ALLOYS **117#**
LENS	All-in-one OPTICS lens, efficiency≥85%
PCB	Excellent heat conductivity aluminum, coefficient of heat conductivity≥2.0w/mk
LED DRIVER	Constant Voltage Input,Constant Current Output
OPERATING TEMPERATURE	Temperature of water between -20°C~50°C less than 1 meter depth
POWER CABLE OPTIONAL	Outside of luminaire H07RN-F 2×1.0mm² with water-stopper, L=1m, 3m, 5m
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized

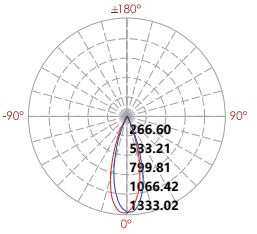
OPTICS Referenced Degree(°)θ1/2

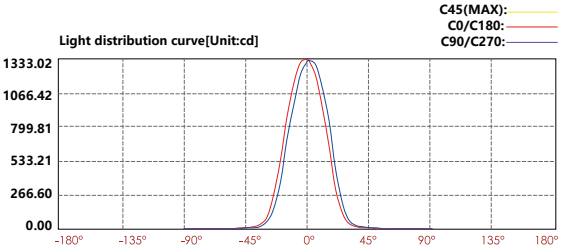
A8 | **15°** **30°**



1. Power cable must be higher than water.
2. With certainable length for maintainance at shore.
3. The light must stay under water to prevent the chip from overheating.

PHOTOMETRIC





Lux distance cure

Illuminance at a distance Center beam LUX		Beam width V	H
2m	333.26 LUX	1.2m	1.2m
4m	83.31 LUX	2.4m	2.4m
6m	37.03 LUX	3.6m	3.6m
8m	20.83 LUX	4.7m	4.7m
10m	13.33 LUX	5.9m	5.9m
12m	9.26 LUX	7.1m	7.1m

Ver.Spread:33.0 Horiz.Spread:33.1

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