

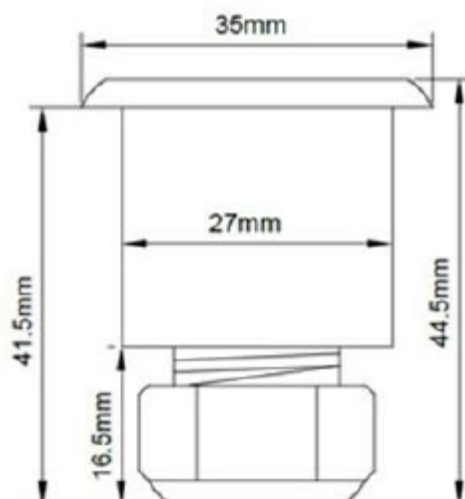
# Datasheet of Underwater Lamp

## Product Image

Widely used for buildings, bridges, plazas, gardens, entertainment places, gallery, outdoor decoration, etc.



## Product Dimension



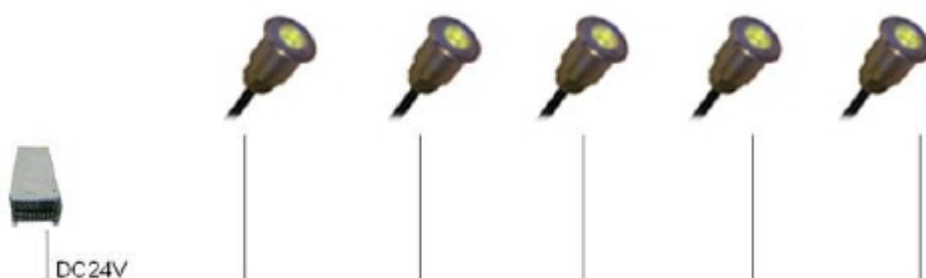
# Electrical Specifications

| Model                 |                       | RPN-SD03003C                                                                   | RPN-SD03003S          | RPN-SD03002S | RPN-SD03001S |
|-----------------------|-----------------------|--------------------------------------------------------------------------------|-----------------------|--------------|--------------|
| Electric parameter    | Power                 | 3W                                                                             | 3W                    | 2W           | 1W           |
|                       | Drive current         | 300mA                                                                          | 600mA                 | 450mA        | 300mA        |
|                       | Input Voltage         | DC 12V                                                                         |                       |              |              |
|                       | Power efficiency      | >90%                                                                           |                       |              |              |
| Optical parameter     | LED brand             | CREE/EDISON                                                                    |                       |              |              |
|                       | Light source          | 1pcs RGB 3-chips LED                                                           | 1pcs single color LED |              |              |
|                       |                       |                                                                                | R、G、B、Y、W for choice  |              |              |
|                       | Grey scale            | 256*256*256                                                                    | 1                     |              |              |
|                       | Beam angle            | 10°                                                                            | 15°                   | 25°          | 60°          |
|                       | Projection distance   | 20M                                                                            | 15M                   | 8M           | 6M           |
|                       | Color Temperature     | warm white(2700~3500K) /natural white ( 4000~4500K)/cold white (5000~6500K)    |                       |              |              |
|                       | LED wave length       | red (620 - 630nm), green (520 - 525nm), blue (465 - 470nm), amber(590 - 595nm) |                       |              |              |
| Controller            |                       | DMX512 control; control by wire                                                |                       |              |              |
| Environment parameter | Environment Humidity  | 0~85%RH                                                                        |                       |              |              |
|                       | Storage Temperature   | -40°~+80°                                                                      |                       |              |              |
|                       | Operating Temperature | -20°~+50°                                                                      |                       |              |              |
| Structure             | Dimensions            | Φ 35*H44.5                                                                     |                       |              |              |
|                       | Material              | copper+PMMA                                                                    |                       |              |              |
|                       | Housing color         | copper color                                                                   |                       |              |              |
|                       | IP grade              | IP68                                                                           |                       |              |              |
| Life Span             |                       | 40000~50000 hours                                                              |                       |              |              |

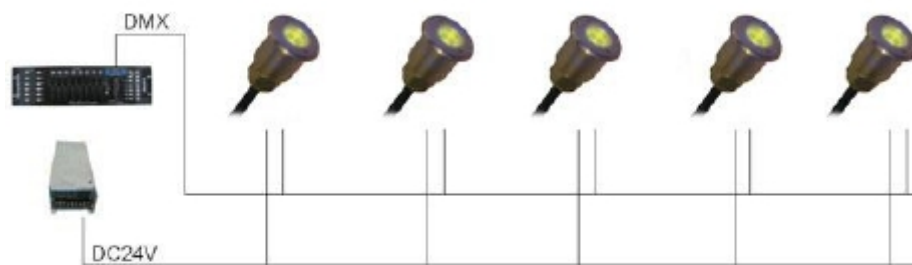
## Connection Method

Built-in microchip control or DMX512 control system Color Effect: single color projecting, chasing, blinking, flowing 256 brightness and colorful

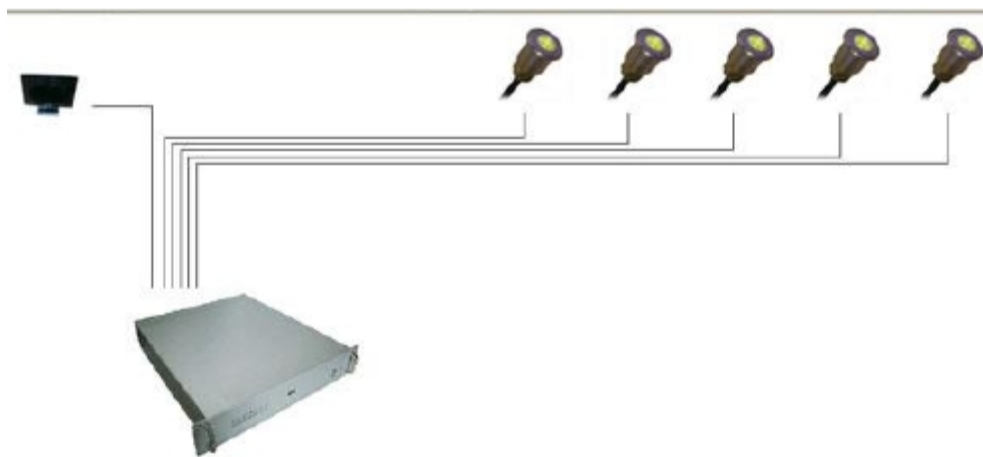
### Method 1: On-off control



## Method 2: DMX control



## Method 3: Computer control



## Application:

Bar,yard,bridge...

Building,Museum...

Special lighting effects to buildings or other object



## Installation description:

- 1.Fixed light fixture,wiring in the right way;
- 2.Make sure input voltage in accordance with rated input voltage;
- 3.Make sure power-off before installation;
- 4.This LED light can not share a line with inductive load impedance high power lights (such as Metal Halide,sodium lamp,)etc.

## Attention:

- ▲ Not close to light surface when power on;
  - ▲ Avoid eyes look directly at the light-emitting surf
  - ▲ Power selected must match to the light;
  - ▲ Do not mixed the power line and signal line.
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