# LED POOL LIGHT

ITEM NO.: LPL-6 Series

## INSTRUCTION OF LED POOL LIGHT/LPL

This product is mainly used for swimming pool,underwater fixture.With friendly and convenient operation,it can offer magic effects in water and ground.

### A. Specification

A-1. Structure

Materials of Shell: Aluminum alloy/6063
Rotary angle: 150°
Input Voltage: 24V DC
Protecting Rating: IP68
Operating Temperature： -20℃~40℃

LPL-6-18P

LPL-6-36P

A-1. Model Configuration Table

| Model No. | LED Color | LED Quantity | Power Consumption | Beam Angle | Size | Weight | √ |
|---|---|---|---|---|---|---|---|
| LPL-6-18P | R, G, B | 18 | 23 WATTS | 10°/20°/45° | Ø 170xH180mm | 2.6kg±5% | |
| LPL-6-36P | R, G, B | 36 | 45 WATTS | 10°/20°/45° | Ø 210xH190mm | 4.4kg±5% | |

### B. Working mode

B-1. DMX512 mode (signal from DMX console)
B-2. Built-in mode
B-3. Master/Slave mode Mode(Master=001,Slave≠001)

### C. Function & Setup

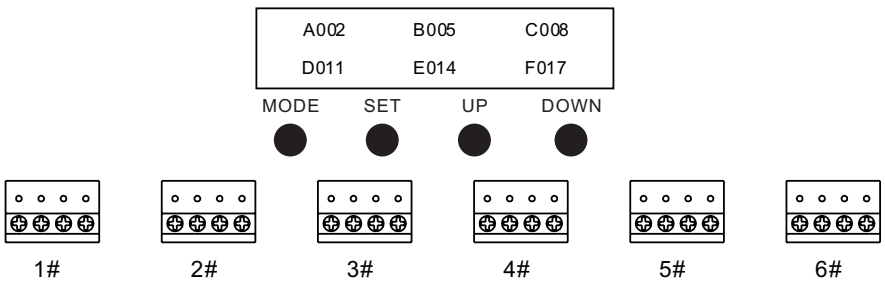
C-1.DMX Channel instruction-3 Channels available as sheet:

| CHANNEL 1 | | CHANNEL 2 | | CHANNEL 3 | |
|---|---|---|---|---|---|
| **Data** | **Function** | **Data** | **Function** | **Data** | **Function** |
| 0~255 | Brightness of Red | 0~255 | Brightness of Green | 0~255 | Brightness of Blue |

***Enter or quit DMX mode automatically once detecting valid signal!!!

C-2. DMX Address Setting

Press the MODE button to the interface as Figure 3, the address(A,B,C,D,E,F )display on the LCD screen are corresponding to the output port on the controller (1 # 2 # 3 # 4 # 5 # 6 # ).Press SET button to choose different output port;Press the UP and Down button to the desired address,each port can set as digits less than 512.



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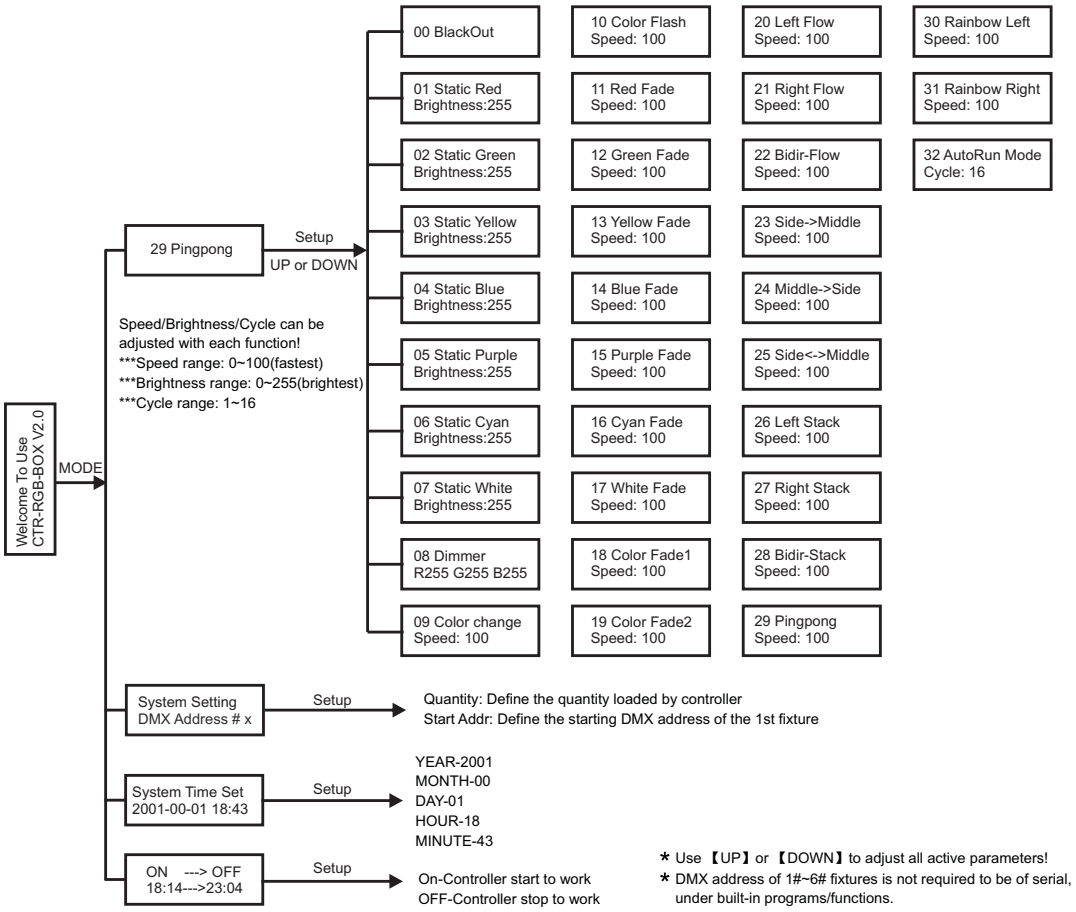
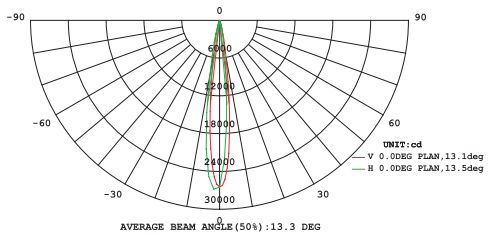
C-3 .Program Menu

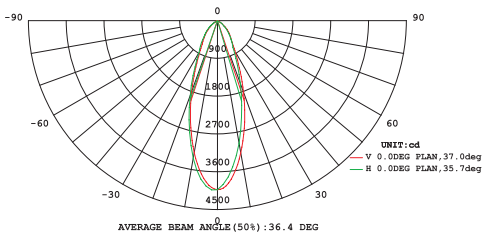



## D.Photometrics

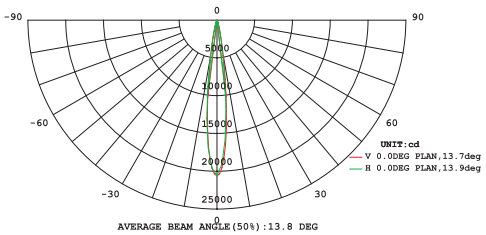
D-1. Cadela distribution



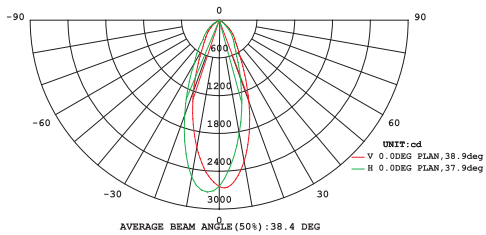

LPL-6-36P-240V-W-15°




LPL-6-36P-240V-W-45°




LPL-6-36P-240V-WW-15°




LPL-6-36P-240V-WW-45°

D-2.Illuminance at a distance

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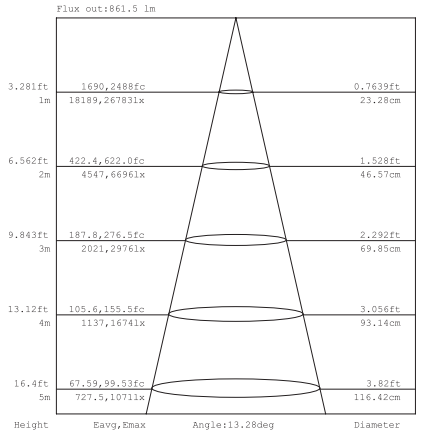
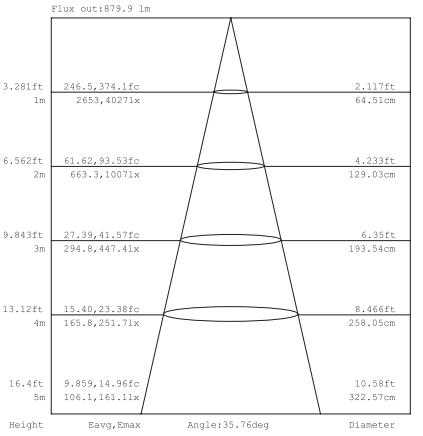


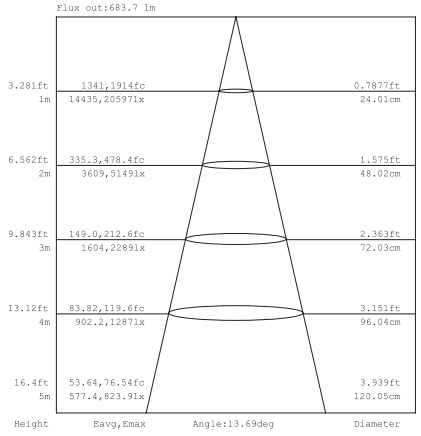

Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

LPL-6-36P-240V-W-15°



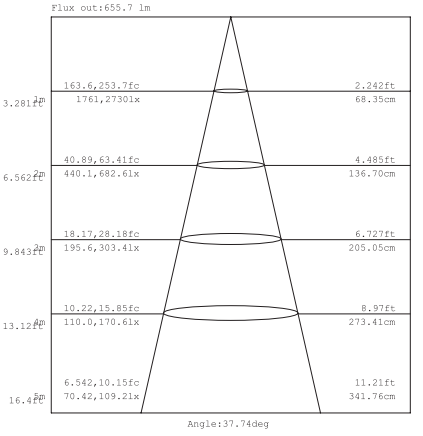

Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

LPL-6-36P-240V-W-45°




Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

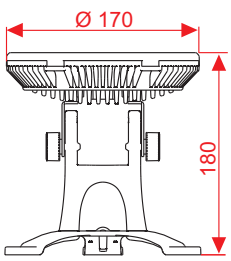
LPL-6-36P-240V-WW-15°



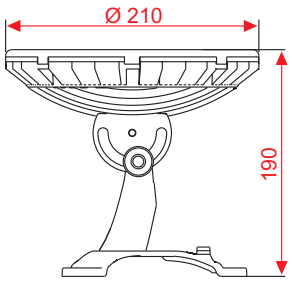

Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

LPL-6-36P-240V-WW-45°

## E.Dimension drawing



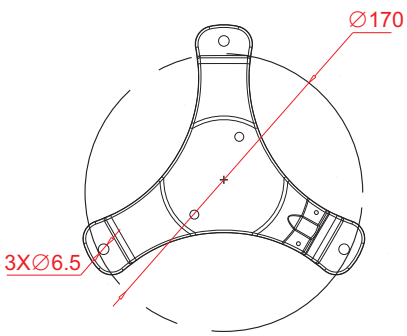

LPL-6-18P




LPL-6-36P

## F.Installation

Fix the brackets via M6 tapping screw,mounting size as below:



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## G. Connection

Firstly, take apart the PC cover, remove the terminals, wring the output terminal as shown in Figure 3, then plug the terminal on the pins (original position), separate the bonding clamp for compressing the wire and lock the PC cover. We generally use 4 colors(red, green, blue, black) in our 4 wires and 3 circuits products.

Wiring corresponding follows:

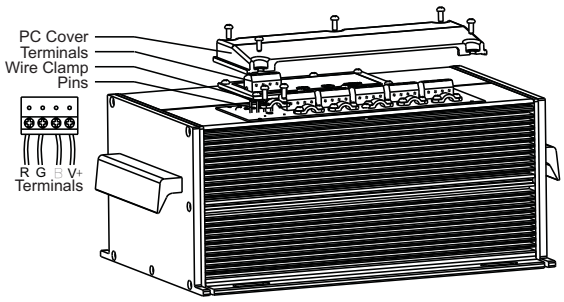
Black wire ---------- V+

Red wire ---------- R

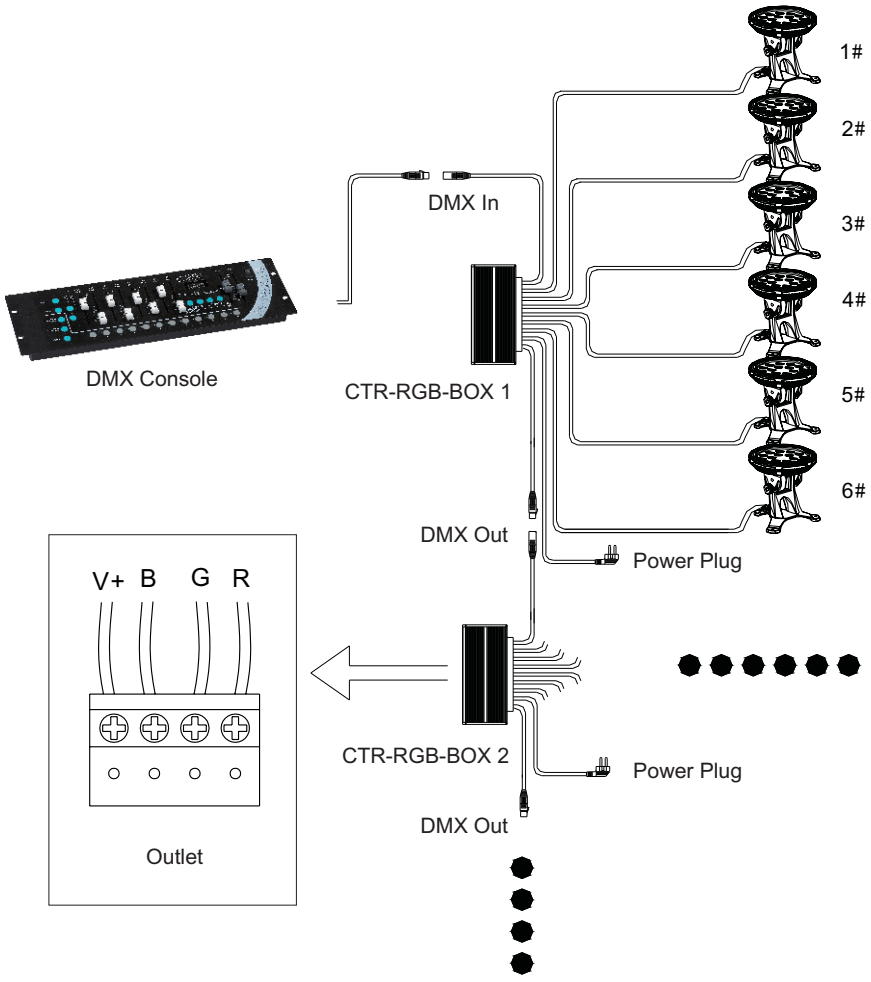
Green wire ---------- G

Blue wire ---------- B

***Please refer to actual definition of color of cable in different fixtures.




CTR-RGB-BOX




**Caution:**

1. *Do not plug them into power when the product is still in package;*
2. *Don't use anything to cover the fixture during application;*
3. *Don't use this product in close environment;*
4. *If this product appears to be damaged, do not attempt any repair, please contact your dealer.*

**Warning:**

* *Neglect on actio of the above treatment will lead to failure of waterproof and proper working of the lights!!*
* *Make sure the ground connection well avoid electric shock, due to metal housing.*