

# LED SPOT LIGHT

ITEM NO.: R205A Series

## INSTRUCTION OF SP-R205A

This product is mainly used for disco platform, party and some entertainment. The light projecting distance is 10~20m. It can work by independent mode and DMX mode, which can generate various color and charming effects, such as flashing, fading, jumping, steady based on mixture of R, G, B.

### A. Specification

#### A-1 Structure

Materials of Shell: Aluminum  
 Rotary angle: 180°  
 Input Voltage: 100V~240V AC  
 Protecting Rating: IP65  
 Operating Temperature: -20°C~40°C



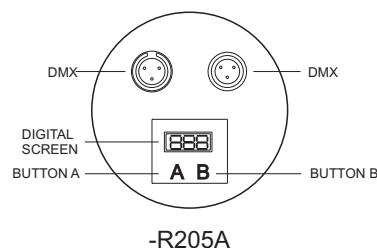
SP-R205A-36P

#### A-2 Model Configuration Table

Model	LED Color	LED Quantity	Operating Voltage	Power Consumption	Beam Angle	Size	Weight	✓
R205A-36P	R-12,G-12,B-12	36pcs	24V DC	40 WATTS	15°/30°/45°	Φ195xH180mm	3.1kg±5%	

### B. Working Mode:

- B-1. Independent Mode: Built-in auto run programs.
- B-2. DMX Mode: International standard DMX512 signal .
- B-3. Master/Slave Mode: Auto online and synchro working.

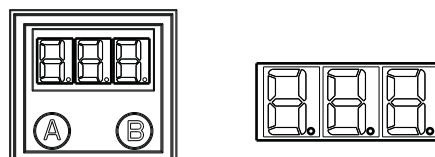


### C. Function & Setup

#### C-1. DMX Addressing

When the digital LED is not flashing, press A, digital LED begin to flash, press A once, active digital LEDs moves backward, you can start to edit the second digital LED; Press B, the corresponding flash digital LED increase one bit (the values between 1 to 9);

\*\*\* Valid DMX Address: 001~510



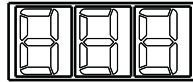
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## C-2.Independent Mode

After pressing A four times(the first three times is the setup on DMX address)or B directly,light enter into independent mode;the digital LEDs shows PXY,press A once,active digital LEDs moves backward,you can choose function via X and parameter via Y;

Press B, the corresponding flash digital LED increase one bit(range: 1~9);。



X value	Y value
1-static red	1-9 class gray degree
2-static green	1-9 class gray degree
3-static yellow	1-9 class gray degree
4-static blue	1-9 class gray degree
5-static purple	1-9 class gray degree
6-static cyan	1-9 class gray degree

X value	Y value
7-static white	1-9 class gray degree
8-multicolor changing	1-9 class speed
9-single fading	1-9 class speed
A-multicolor fading	1-9 class speed
B-multicolor flashing	1-9 class speed
C-aurorun	1-9 times circle

## C-3.Master/Slave Mode

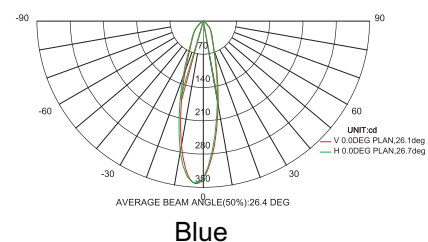
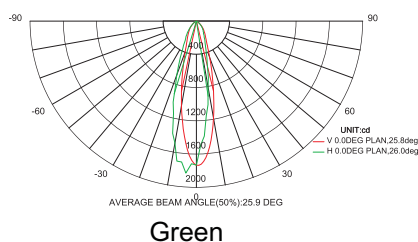
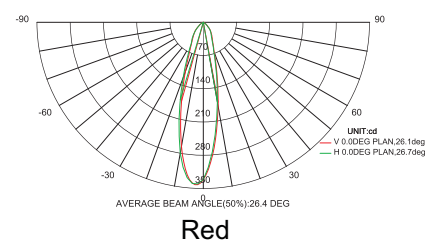
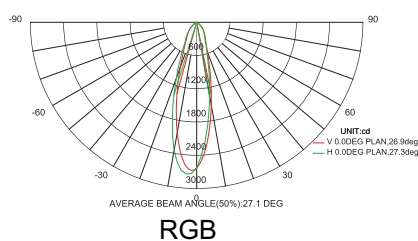
Choose any one light as the master for attaining auto online function,the operations are as below: firstly, set the address of master as 001,others are set as slave(address can be any one except 001); Change function of the master(001) light,then all lights will work synchronously;

C-4.When pressing button,please wait for about 10 sec,then you can exit the mode of adjustment function,the digital LED stop flashing and data recorded.

## D.Photometric Parameters

### D-1. Cadela Distribution

R205A -36P-240V Beam Angle:45°

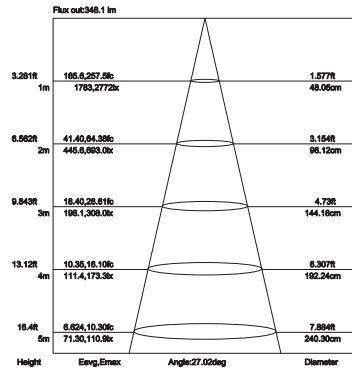


### D-2. Illuminance At A Distance

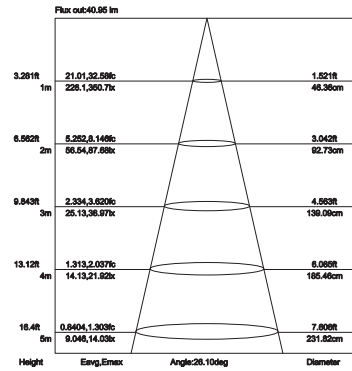
R205A -36P-240V Beam Angle:45°

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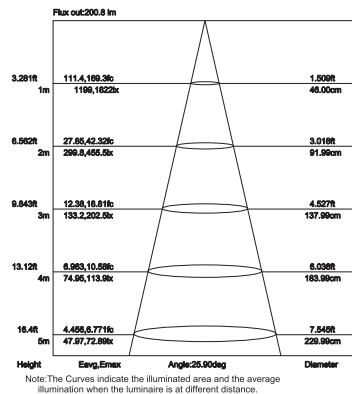
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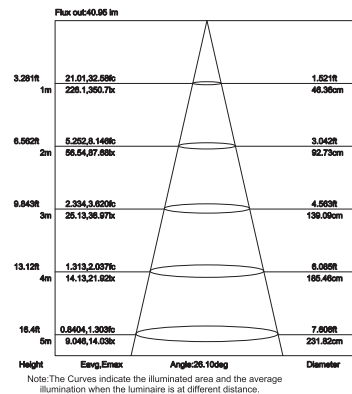
RGB



Red

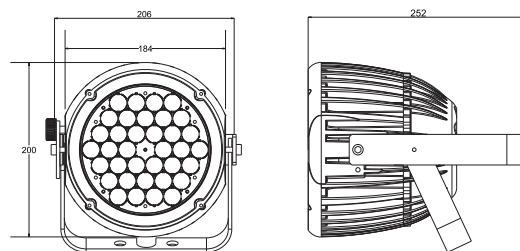


Green



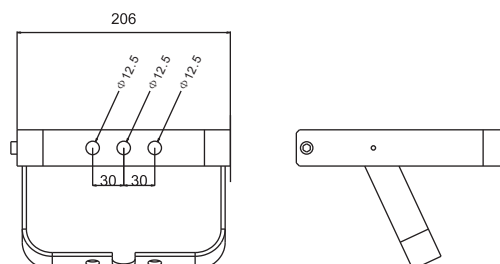
Blue

## E. Dimension Drawing:



## F. Installation Drawing:

F-1. Fix the brackets via M10 tapping screw, mounting size as below:



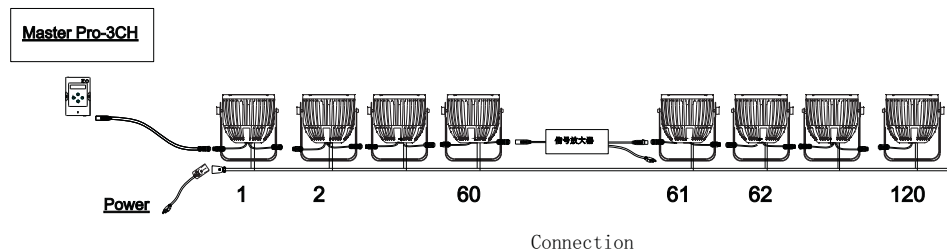
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## G. Connection

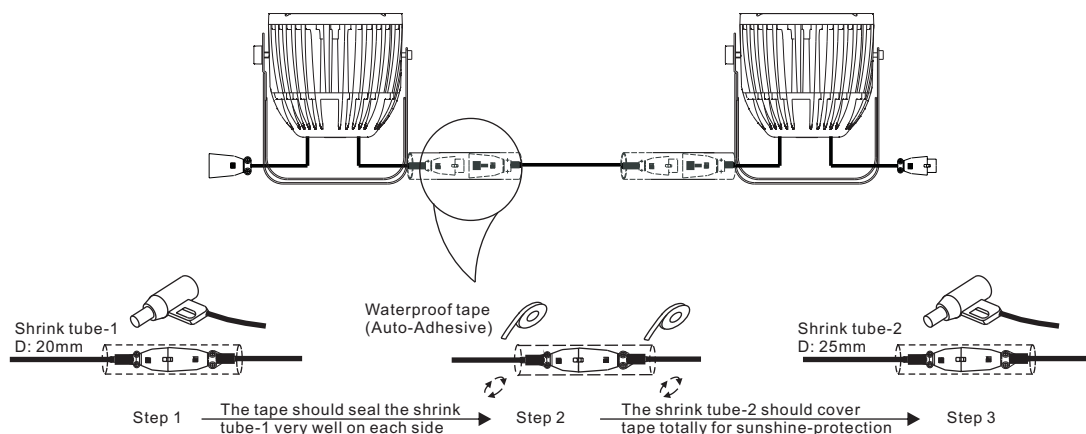
G-1. Signal max connection is 100m, every 100m or 60pcs fixtures need a signal amplifier.

G-2. Optional controller: MASTER PRO、Sunlite、DMX-192C、Madrix and other DMX controller.



## H. Waterproof Treatment

The signal connector(XLR-3) must be sealed with a 20mm thermal shrinking tube(-1), blow and shrink it with a hair driers; thence wrapped with waterproof tape (auto-adhesive, please refer to below instruction for operation) on both side; Blow the second 25mm shrink tube(-2) at last so as to protect waterproof tape under sunshine and guarantee the waterproof validity.



\*\*\* Power connector should be treated in the same way if available!!!

### 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 action 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.

Product .By. FH Solar & Led Ibérica 

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