

LED SPOT LIGHT

ITEM NO. : SP-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



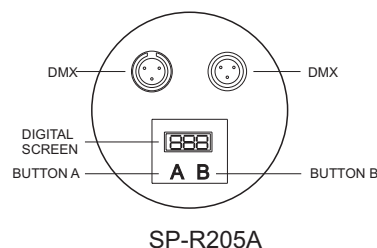
SP-R205A-36P

A-2 Model Configuration Table

Model	LED Color	LED Quantity	Operating Voltage	Power Consumption	Beam Angle	Size	Weight	✓
SP-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.



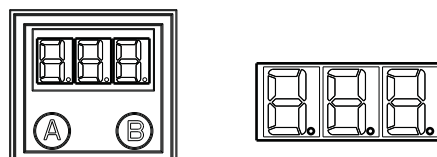
SP-R205A

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



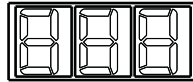
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C-2.Independent Mode

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-autorun	1-9 times circle

C-3.Master/Slave Mode

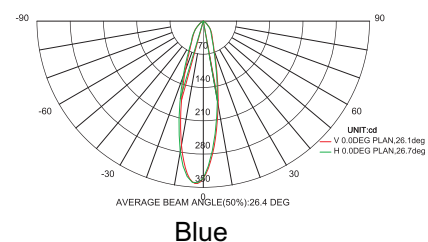
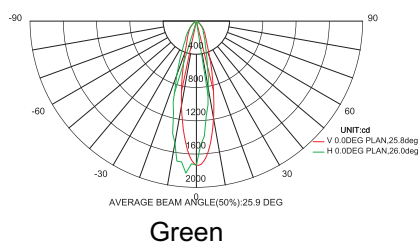
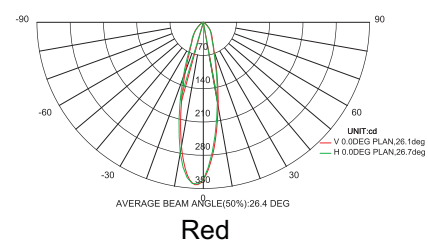
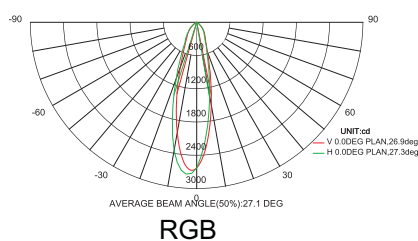
Choose any one light as the master for attaining auto online function,the operations are as below: firstly, set the address of master as 001,others are set as slave(address can be any one except 001); Change function of the master(001) light,then all lights will work synchronously;

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

SP-R205A -36P-240V Beam Angle:45°

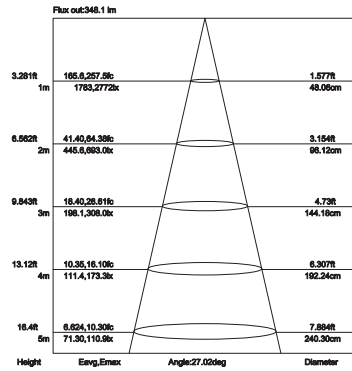


D-2. Illuminance At A Distance

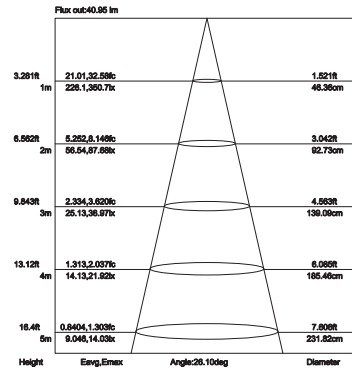
SP-R205A -36P-240V Beam Angle:45°

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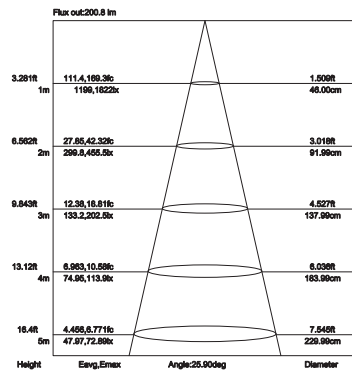
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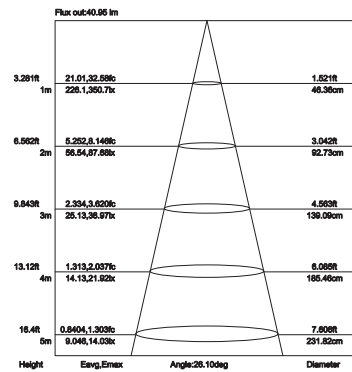
RGB



Red

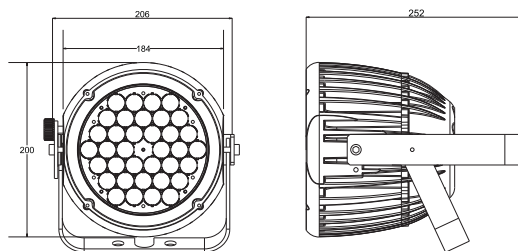


Green



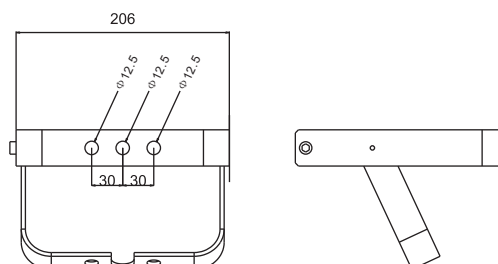
Blue

E. Dimension Drawing:



F. Installation Drawing:

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



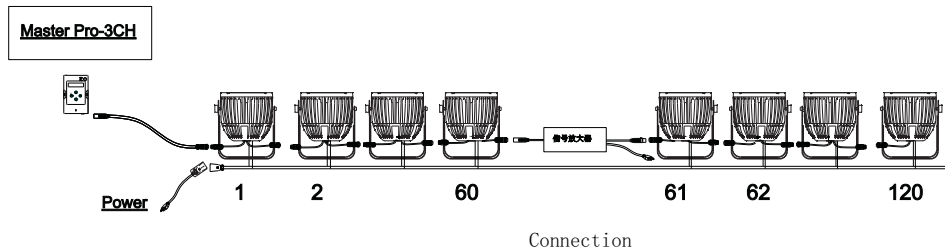
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G. Connection

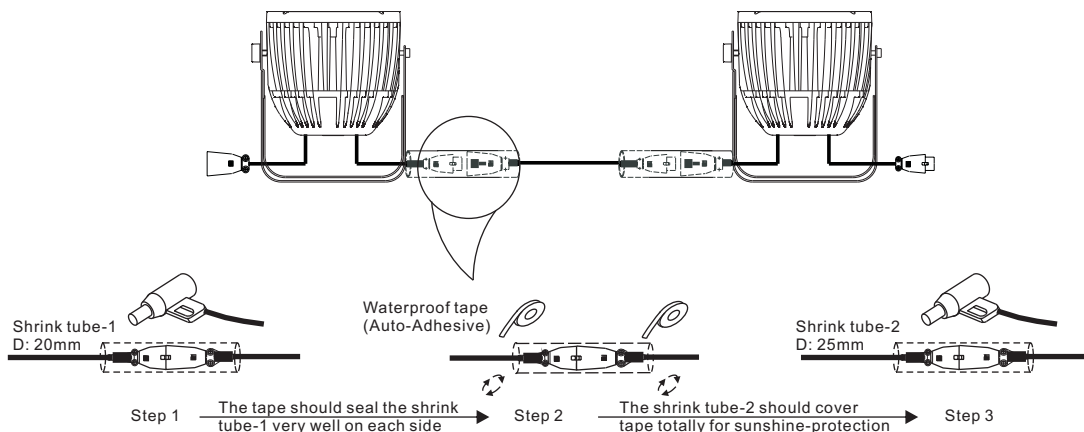
G-1. Signal max connection is 100m, every 100m or 60pcs fixtures need a signal amplifier.

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.