

## LED Flood Light Specification

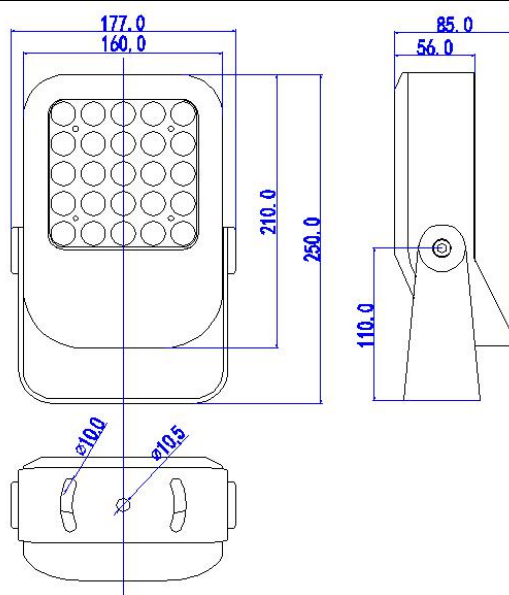
### Picture



SHB160 floodlight is a high-power LED floodlight product specially designed for outdoor landscape lighting. Adopting high thermal conductivity die-casting aluminum shell, with high thermal conductivity and weather-resistant PU glue potting + sealing ring double waterproof; the appearance of the lamps is exquisite and generous; the lamps are connected by national standard flexible cables, which can be bent or deformed at will; the appearance and luminous color can be customized ; Mainly used for decorative lighting and brightening of building outlines, overpasses, monuments, columns, flower beds and other places.

### Product features & Product Dimension(mm)

- |   |   |
|---|---|
| ★ Standard DMX512 control protocol  | ★ The lamp can be adjusted at an angle greater than or equal to 180°                      |
| ★ Integrated power supply design, the power supply method is simpler                | ★ Can be equipped with anti-glare cover   |
| ★ Special protection design for outdoor lightning protection and static electricity | ★ Good heat dissipation performance, high waterproof level (IP66)                         |
| ★ Adopt intelligent control products, support RGB/W current separate high           | ★ Sealing ring heightened thermal conductive glue, full potting, double waterproof design |
|   | ★ Professional optical design, fine and uniform light mixing, long projection distance    |



## Product Parameters

### Basic parameters

#### Optical parameters

Voltage	<b>DC24V</b>	Power	<b>24~ 36W(Customiz ed)</b>
Power Source	<b>3030 / 3535</b>	LED quantity	<b>9/24PCS</b>
Control Way	DMX512/No control	Greyness	<b>65536 / Regular</b>
Color	<b>RGB/White</b>	Ra	<b>≥80Ra</b>
Beam angle	5°/ 7°/10°/15°/25°/30°/45° /60°		

#### Structure parameters

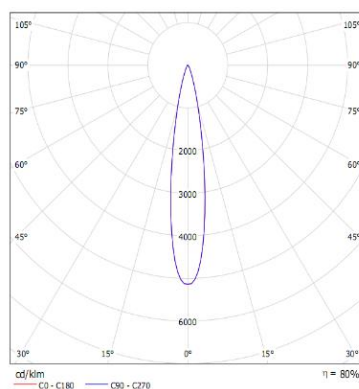
Size	210.0x160.0x85.0mm		
shell material	High thermal conductivity die-cast aluminum		

Glass	Tempered glass	Adjustable angle	>180°
<b>Other Parameters</b>			
Working temperature	-20°C to 60°C	IP Grade	IP66
Storage temperature	-20°C to 55°C	Electrical safety grade	III
Lifespan	50,000H		

### Control Way & Accessory

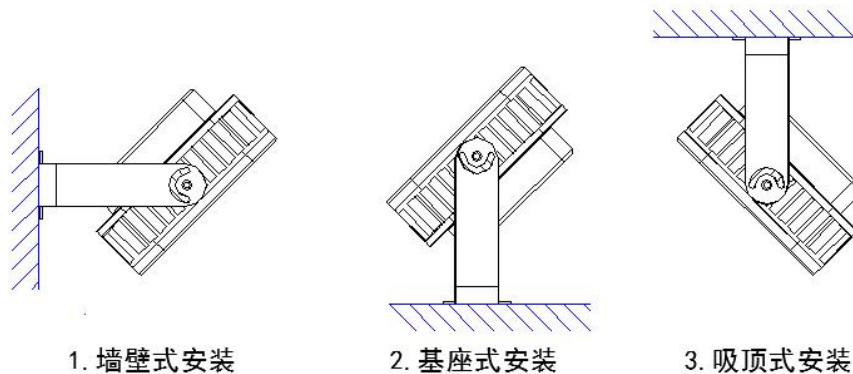
	DMX512	TTL
Main controller		----
Slave controller		----
Data converter cable		----
Data cable		----
<b>Note: Regular single color product, No need controller or accessory!</b>		

### Light distribution curve

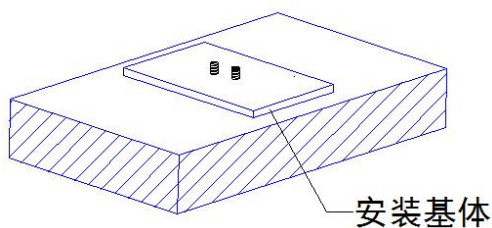


## Installation Way

### 一. Installation method

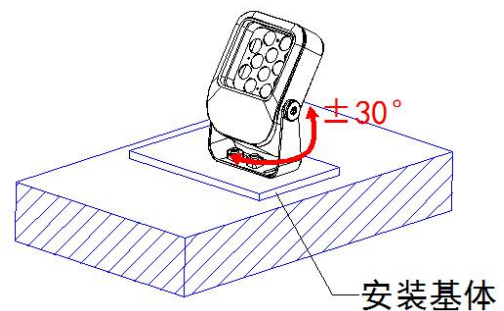


### 二: Installation operation



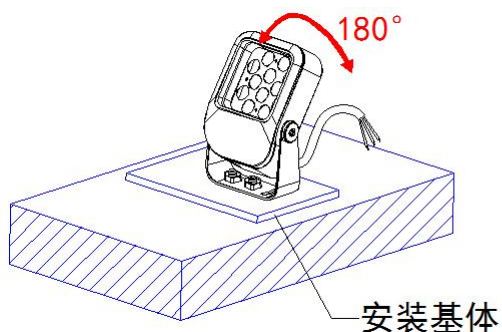
Step 1. (As shown above)

Choose a firm and solid mounting base, and pre-install two M6-M7 expansion screws horizontally according to the hole positions of the mounting bracket:



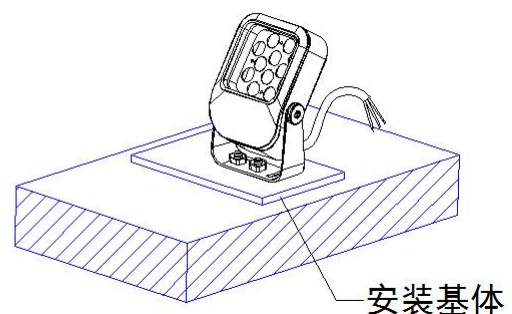
Step 2. (As shown above)

Install the lamp, adjust the direction of the lamp, and tighten the nut so that the bracket and the base body are not loosened;



Step 3. (As shown above)

Adjust the up and down angle of the light required by the lamp, tighten the angle adjusting screw, and the lamp cannot be loosened;



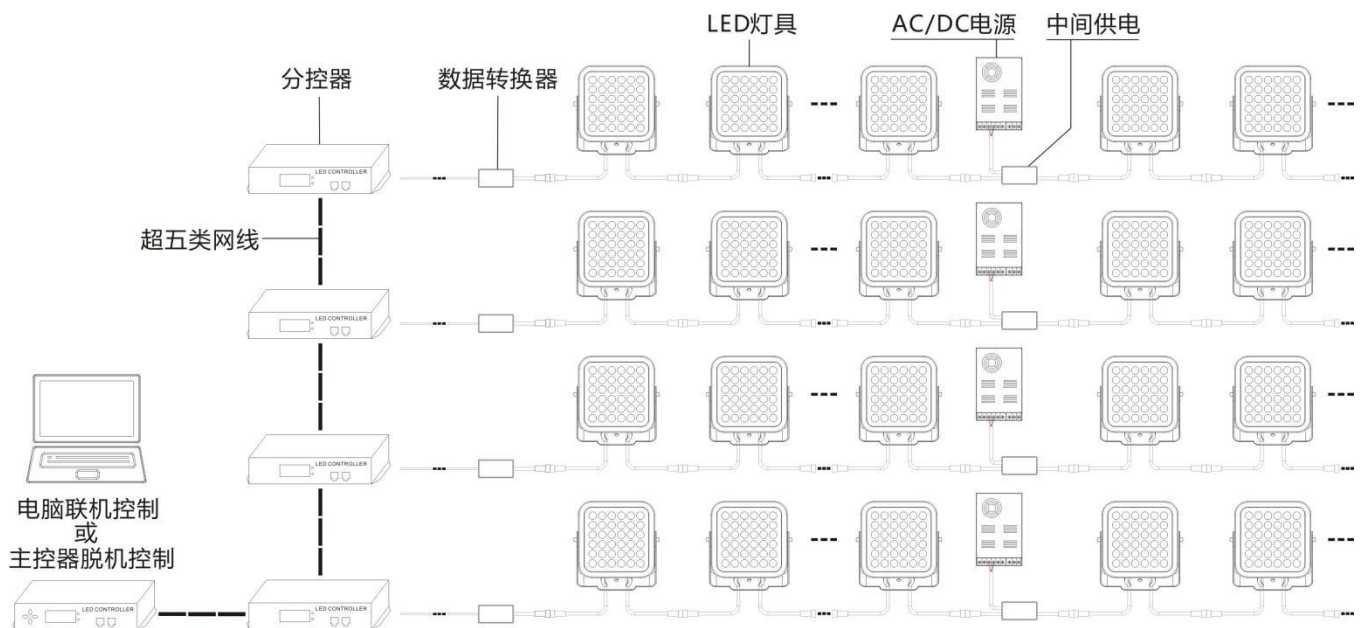
Step 4. (As shown above)

The installation and fixing of the lamps are completed; according to the standard electrical wiring requirements, the lamps are electrically connected.

## System Connection

### System connection diagram:

1. The main controller is used with sub-controllers and data converters. The working voltage of the main control and sub-controllers is AC220V, and the working voltage of the data converter is the same as that of the light source.
2. Each sub-controller has 8 ports, DMX sub-controllers can have 512 channels per port; TTL sub-controllers can have 1536 channels per port; supporting data converters can support 200-meter long-distance transmission.
3. The main control and the sub-controller, and the sub-controller and the sub-controller are connected by Category 5 twisted pair, the maximum distance of each section is not more than 120 meters; the maximum transmission distance between the sub-controller and the data converter is not more than 150 Meters, the maximum distance from the data converter to the first light point is not more than 2 meters.
4. It is recommended that the maximum point spacing does not exceed 3 meters, which exceeds the recommended signal amplifier. The middle power supply box can hold the current supply of 7.5A at each of the left and right ends, and the power supply distance can be adjusted appropriately according to the actual application!
5. If the lamp is monochrome and has no control, there is no need to connect the control part of the equipment!



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## Precautions:

1. Please read the product manual carefully before installing and using the product;
2. Handle the product with care to avoid damage to the product, please leave it to a professional for installation, repair and maintenance;
3. Please understand clearly the label on the lamp connector when wiring;
4. The external power supply must be cut off when wiring to prevent electric shock or damage to the lamp. The product must be installed before it can be powered on;
5. When the power cord is connected externally, corresponding waterproof and water leakage measures must be taken;
6. Regularly clean the dust of the lamp housing and radiator to maintain good heat dissipation performance;
7. Be careful not to clean with water or strong corrosive solutions, it is best to use a dry cloth;
8. Quality assurance: Under normal conditions of use, quality assurance is based on the correct preservation, installation, use and maintenance of the product.

(Note: Product damage caused by improper installation and use or violation of product operating regulations is not within the scope of product warranty)