

# LED WALL WASHER

ITEM NO.: SP-F170A Series

## INSTRUCTION OF LED WALL WASHER/SP-F170A

This product is mainly used for decorating and highlighting in building frame, garden, etc. It can work in independent mode and DMX mode, which can generate various color changing effects, such as flashing, fading, steady, seven color jumping synchronously etc to 18-25M. DMX256 class gray degree dimmer, DMX programable (thousands of effects available if many lights being connected together)

\*\*\*The manual is based on the DMX512 series, please skip B&C parts when it is Steady Mode series.

### A. Specification

#### A-1. Structure

Materials of Shell: Aluminum alloy ADC12

Rotary angle: 180°(Vertical)

Input Voltage: 120V/240V AC

Protecting Rating: IP65

Operating Temperature: -20°C~40°C



SP-F170A-36P

#### A-2. Model Configuration Table

Model No.	LED Color	LED Quantity	Power Consumption	Beam Angle	Size	Weight	✓
SP-F170A-36P	R, G, B/WW/NW/W	36	60WATTS	15°/30°/45°/20°*60°	L340xW55xH184mm	4.3kg±5%	

### B. Working Mode

B-1. Independent Mode: the build-in programs self function change.

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:

This product has 3 DMX channels, use "DMX-ADD-WR" for addressing, for details please refer to its instruction.

\*\*\*Valid DMX address : 001~512

DMX 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. Independent Mode:

Light will be entered into independent mode automatically without DMX signal. It will be circled as multicolor changing, single color fading, multicolor fading, multicolor flashing orderly.

#### 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 set as slave (address can be any one except 001); Change function of master (001) light, then all lights will work synchronously.

#### C-4. Master/Slave Mode:

Lighting design of the temperature detection device, can according to the fixtures that use environment temperature changes to adjust, the lamp power, control the temperature of the lamp itself, reduce decay rate, prolong the service life of the lamp, the lamps use environment temperature suggest less than 40 degrees.

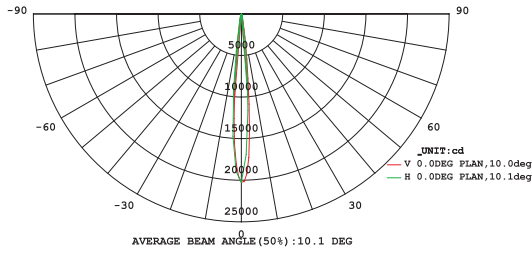
### D. Photometrics Parameters

#### D-1. Cadela Distribution

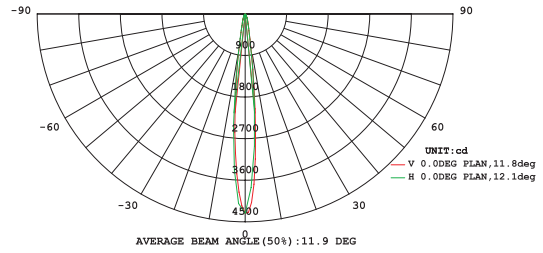
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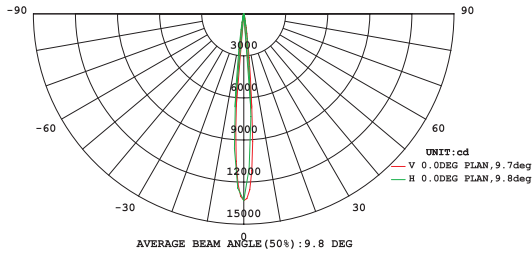
## SP-F170A-36P Beam



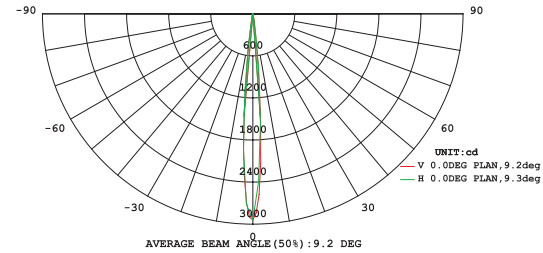
RGB



Red



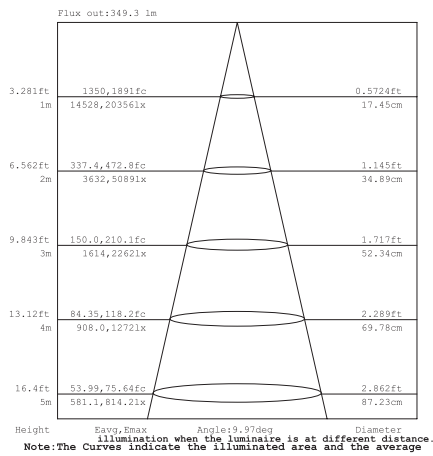
Green



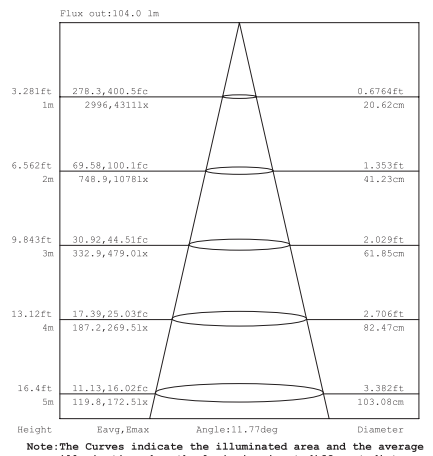
Blue

## D-2. Illuminance At A Distance

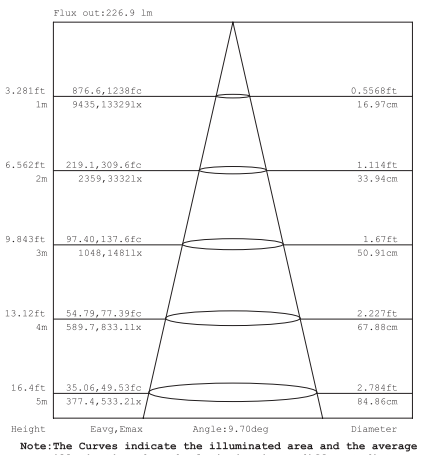
### SP-F170A-36P Beam Angle: 15°



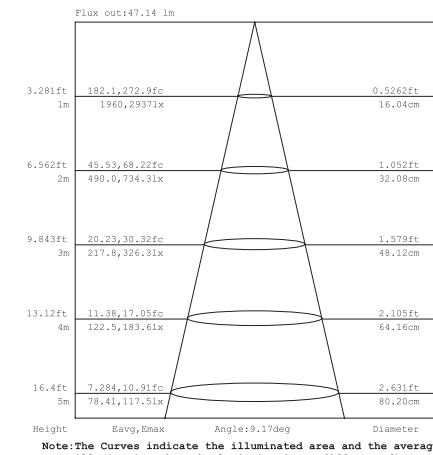
RGB



Red



Green

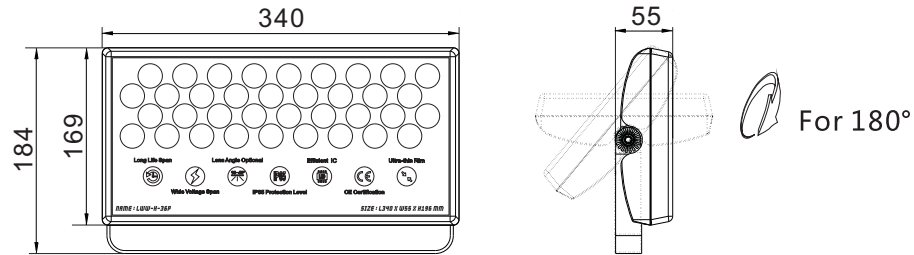


Blue

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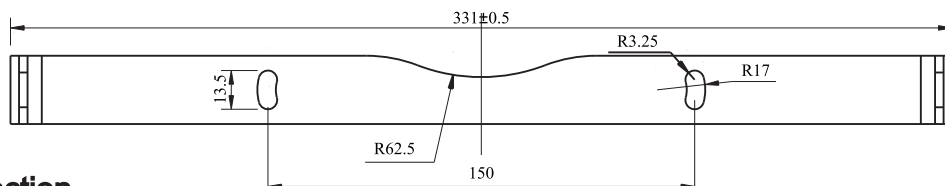
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## E.Dimension Drawing



## F.Installation

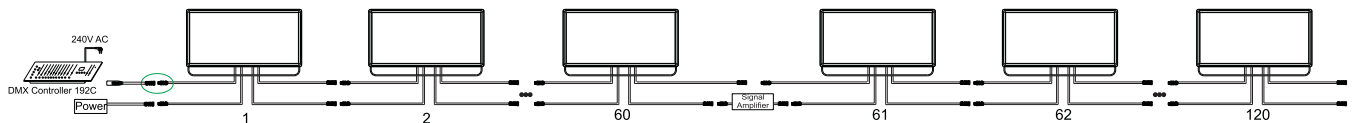
Fix the brackets via M6 tapping screw, mounting size as below::



## G.Connection

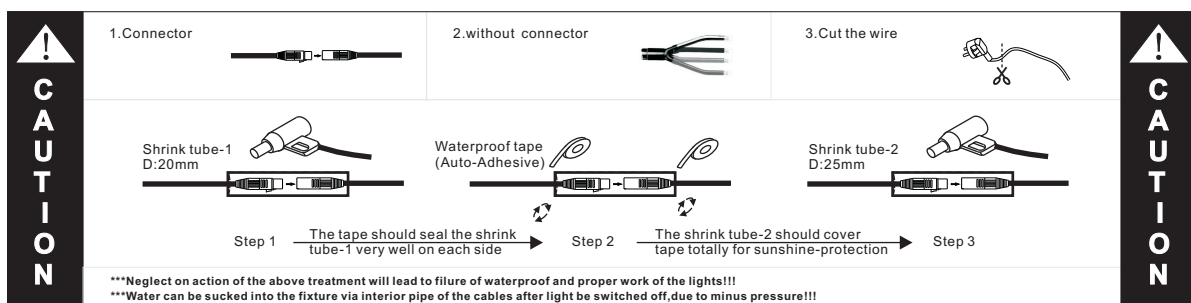
G-1. Signal max connection is 100m, every 100m or 60pcs fixtures needs a signal amplifier.

G-2. Optional controller: Master Pro, Sunlite, DMX-192C, Madrix and other DMX controllers.



## H.Waterproof Treatment

The signal output connector XLR-3 of the last fixture of each series 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!!!

\*\*\* IP68 connector does not require above treatment, but you connect a threaded twist quite well to prevent operational errors lead to joint water

### 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.
- \* Don't cut out the updated IP68 connectors, or any failure caused must be born by buyers.

**Note:** The above instruction are subject to update or improved without notice. Pls turn to our staff for further details !  
Thanks for your long term support !