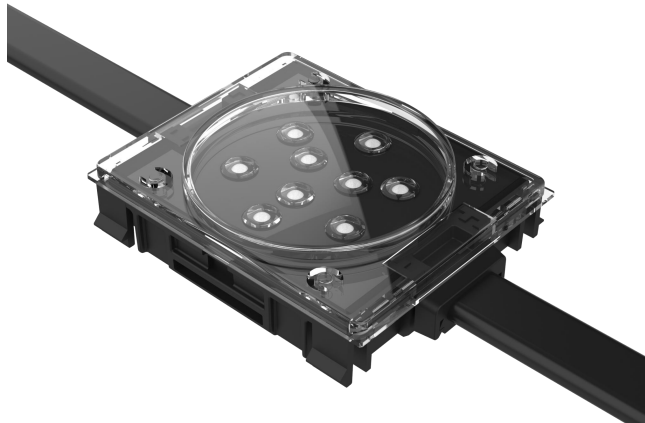


**EXC-P53MA LED Pixel Light**



Application Environment:  
Indoor  
Outdoor

**Description:**

**EXC-P53MA** Series of products is a SMT LED lamp string point light source specially designed for outdoor landscape lighting. A single point light source is an independent pixel, and each pixel can achieve 65536 levels of gray change; Can be used for building facade large area display, contour ditch, inside and outside surface decoration lighting; The spacing of light source can be customized, and the installation method is diverse

**Features:**

- The newest generation technology: DMX512 parallel bus design
- Clip on-off style connection and anti-pull connection without connector design
- High thermal conductivity transformer and full-sealed filling waterproof method by German imported glue
- Outdoor lighting protection and electrostatic discharge (ESD) protection design
- Flexible product, flexible application, optional installation
- Support DC48V remote power supply technology

**Basic Specifications**

Color Range	RGB/W
Light Source	SMD W /RGB 3in1 LED
Source Life	35,000 h
Material	Weather resistance, fire resistance, ABS / PC lens
Weight	64g

**Environmental Specifications**

Working Temperature	-40°C to 50°C
Storage Temperature	-40°C to 70°C
Protection Rating	IP66

**Electrical Specifications**

Working Voltage	DC48V
Max. Power Consumption	2.7W

### Optical Specifications

Beam Angle  $\geq 120^\circ$

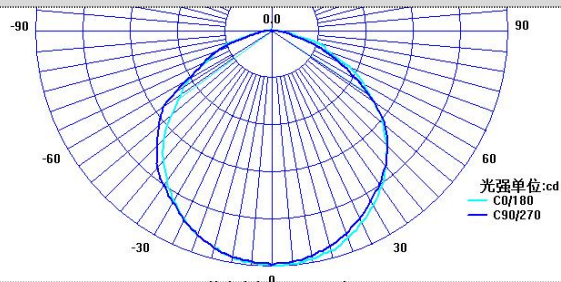
### Controller

Host Controller EXC-Y220、EXC-Y880、EXC-M520、EXC-M620、EXC-M630、EXC-M830、EXC-6000、EXC-8000、EXC-10000

Slave Controller EXC-2905T、EXC-S880

### Light Intensity Distribution

Light Intensity Chart

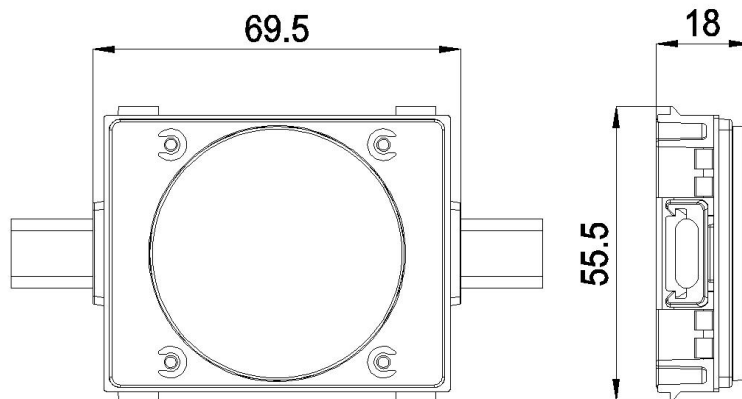


### Order Info

Product Model	Voltage	Power	Light Source	Control Protocol	Gray Scale Level	Material	Central Luminous Intensity	LED Brand
EXC-P53MA	DC48V	2.7W	9pc RGB	DMX512	65536	Engineering Plastic	$\geq 18\text{cd}$	Optional
EXC-P53MA	DC48V	2.7W	9pc W	DMX512	65536	Engineering Plastic	$\geq 32.4\text{cd}$	Optional

### Physical Dimension:

Unit: mm



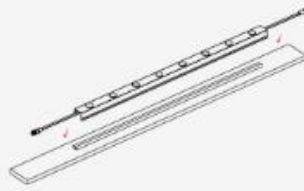
## Installation Diagram:

### Mount by clip:

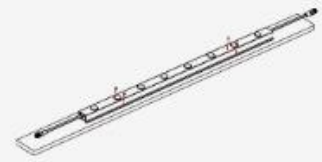
#### Single-sided profile mounting



1. The power line, network cable in advance to lay in the point light source installation on the corresponding position;

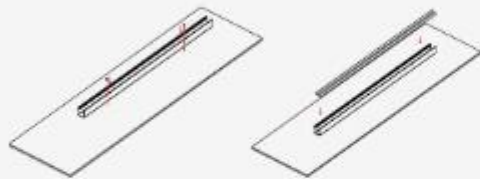


2. Placement of the lamp body with the pixel light source on the mounting carrier;

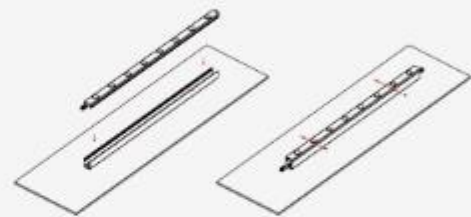


3. Screws to secure the single-sided profile to the mounting carrier.

#### Double-sided profile mounting



1. The profile back cover is screwed to the mounting carrier, installation of power and network cables inside the profile back cover;

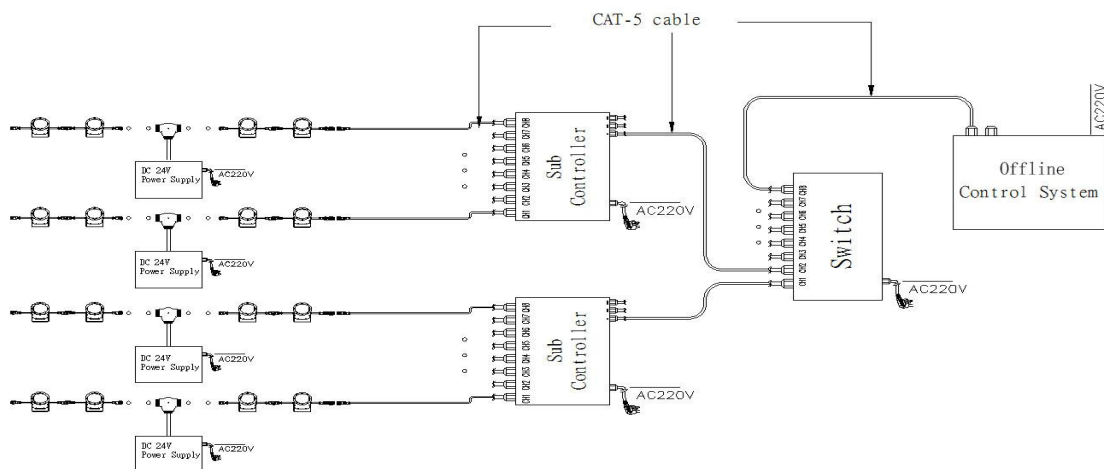


2. Close the cover of the profile with the light installed, Fasten the cover to the rear cover with screws on both sides.

### System connection diagram:

- 1、 Host controller should connect with slave controller. Working voltage for controllers are AC220V.
- 2、 On-line main controller should connect with slave controller, on-line main controller and sub controller working voltage are AC220V.
- 3、 each sub-controller with 8 ports, with each port 512 pixels, supporting data converter, supports 100 meters ultra-long haul transmission.
- 4、 The CAT-5 e. cable distance should be within 100 meters between host controller and slave controller, between slave controllers and switch, etc.
- 5、 the maximum spacing of not more than 5 meters, more than the need to add a signal amplifier.

### Offline Controlling System Diagram:



### Online Controlling System Diagram:

