## EXC-U20NCB0 LED Linear light



Application Environment：
Indoor
Outdoor

### Description

**EXC-U22NCB0 full-color series** consists of full-color SMD linear lights equipped with a narrow aluminum-profile housing and specially designed by EXC for outdoor landscape lighting. Each strip includes 8 pixels, and each pixel can realize 65536 grades gray scale changing; featuring simple and reliable installation, they can be used for extra-large area display of building facades, contour shaping, interior and exterior surface decoration lighting, and small-range wall washing.

### Features

- Only 20mm width, very compact design.
- The newest generation technology: DMX512 parallel bus design
- Full-sealed filling waterproof design by German imported glue
- Aluminum alloy lamp body with low thermal resistance path heat dissipation design
- Outdoor lightning protection and electrostatic discharge (ESD) protection design

### Basic Specifications

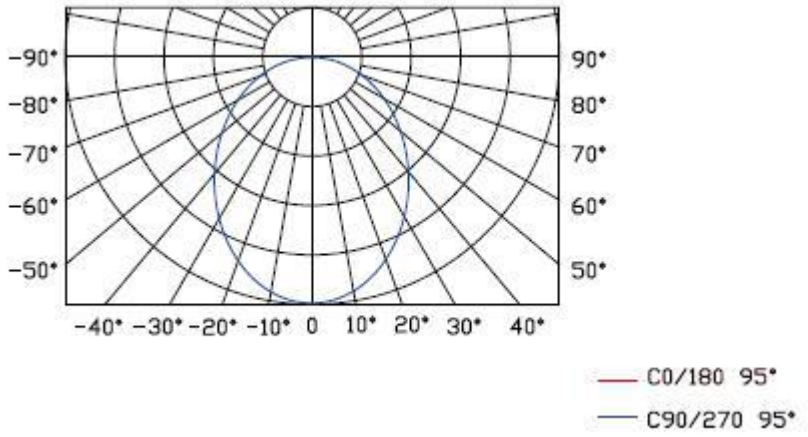
| | |
|---|---|
| Color Range | RGB/RGBW/W |
| Working Voltage | DC 24V |
| Max. Power Consumption | 9W/12W/15W/18W |
| Light Source | 36/48/60 pcs LEDs |
| LED chip Brand | Optional(Cree, OSRAM, Lumileds, Epistar, etc...) |
| CRI | 80 |
| Control | DMX512, ON/OFF |
| Segment | 1/4/5/6/8/10 |
| Source Life | 50,000 h |
| Housing | High strength aluminum alloy |
| Cover | PC(Transparent, Opal) |

| | |
|---|---|
| Weight | 0.79Kg |
| Working Temperature | -40°C to 50°C |
| Storage Temperature | -40°C to 70°C |
| Protection Rating | IP66 |
| Efficiency flux | 40LM/W(White), 20LM/W(RGB), 30LM/W(RGBW) |
| Beam Angle | ≥95° |

| | |
|---|---|
| Host Controller | EXC-5200 |
| Slave Controller | EXC-2905T1 |
| Signal Cable | EXC-LED outdoor special cable |

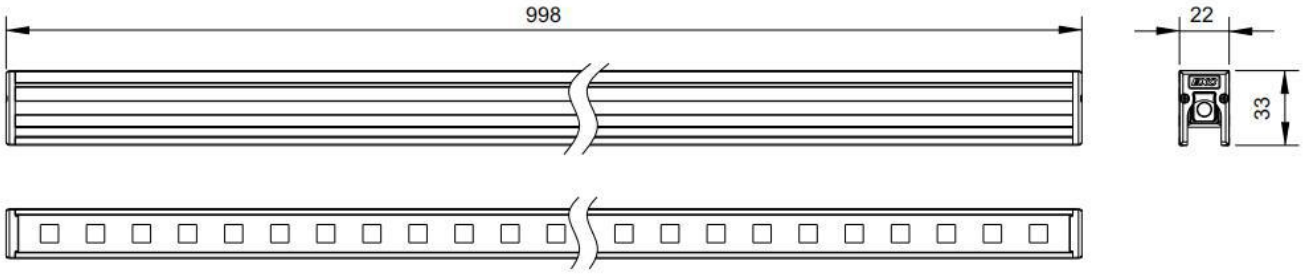
**Light Intensity Distribution**

**Light Intensity Chart**




**Physical Dimension**

Unit：mm



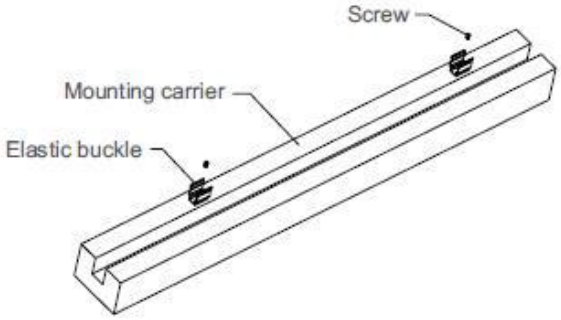

EXC-U22NCB0

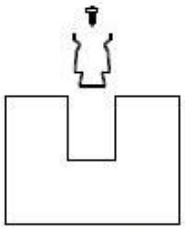
**Mounting Accessories 1:**

## Installation Diagram

### 1、 Facade installation

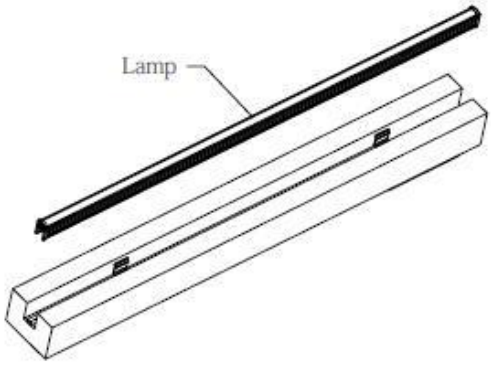
1. Fix the elastic buckle on the mounting carrier with screws.

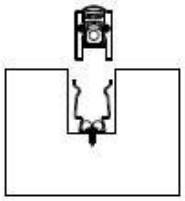


Schematic diagram of section

2. Install the lamp onto the elastic bracket, and fix the lamp with the elastic buckle.

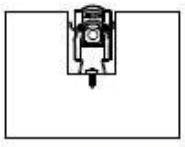


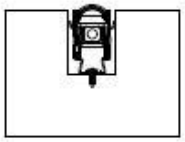
Schematic diagram of section

3. Complete the effect diagram of installation.



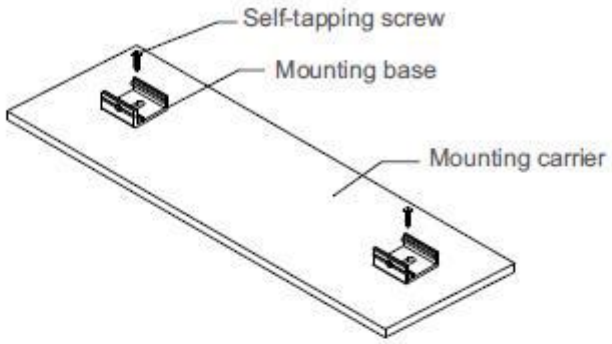


Schematic diagram
of section

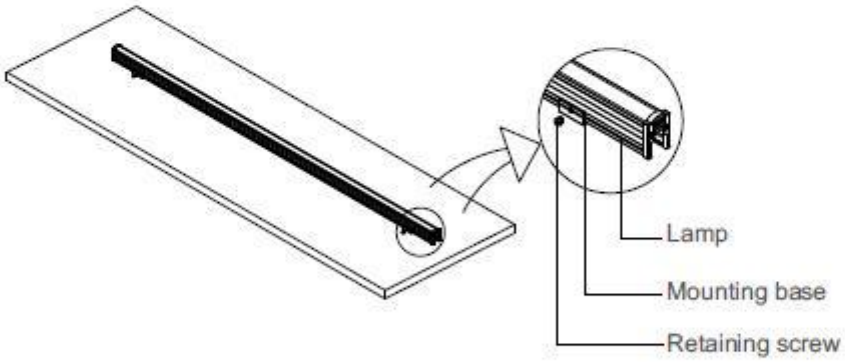


Remove one end cap
Schematic Diagram of Section

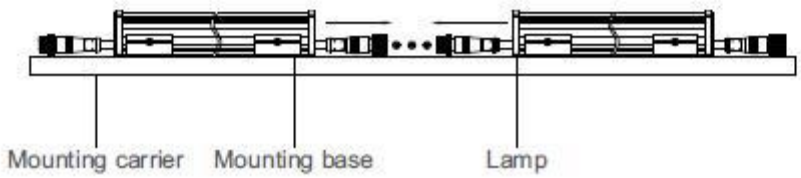
1. Use ST4 self-tapping screws to fix the mounting seat to the position of the mounting carrier as shown in the figure, with the specific spacing to be required by the lamp length.




2. Clamp the lamp on the mounting seat, and then use M4 screws to lock the lamp through the mounting seat. Secure the installation.




3. Finally, connect the male and female connectors of the waterproof joint line through threads as shown in the figure, and secure the installation.



**System connection diagram：**

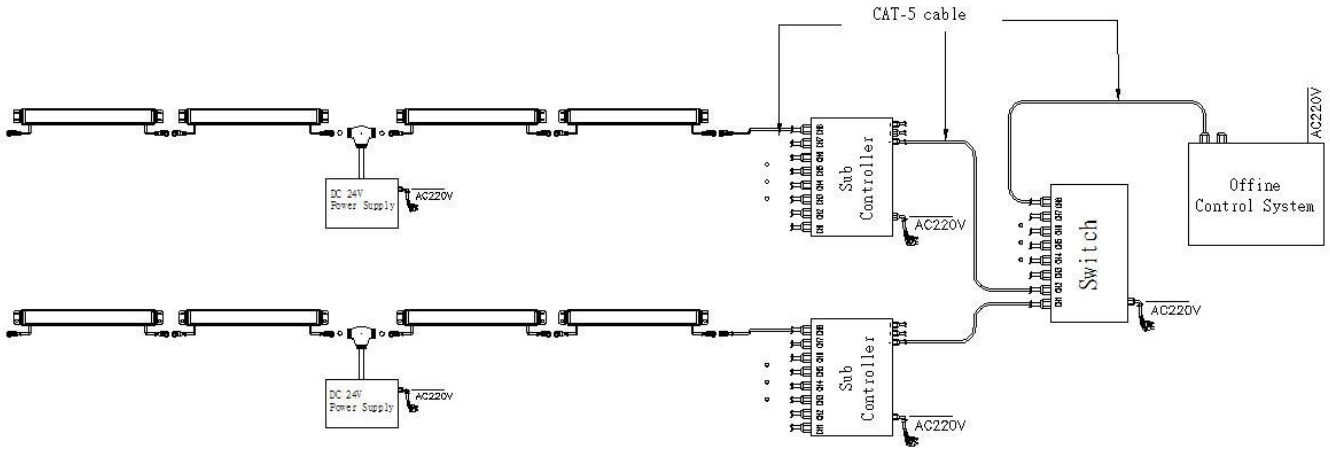
1、Host controller should connect with slave controller. Working voltage for controllers are AC220V.

2、On-line main controller should connect with slave controller, on-line main controller and sub controller working voltage are AC220V.

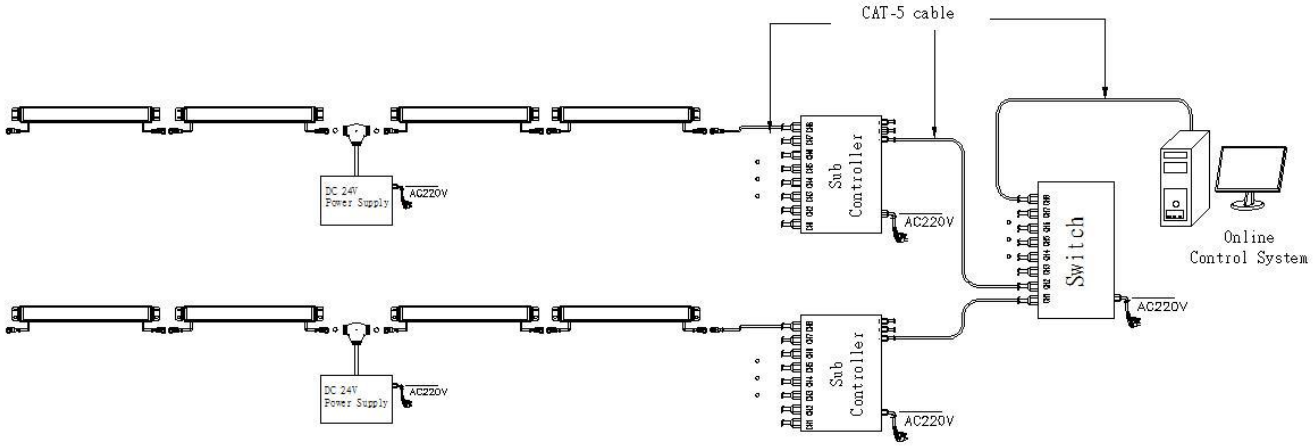
3、 each sub-controller with 8 ports, with each port 512 pixels, supporting data converter, supports 100 meters ultra-long haul transmission.

4、The CAT-5 e. cable distance should be within 100 meters between host controller and slave controller, between slave controllers and switch, etc.

**Offline Controlling System Diagram**

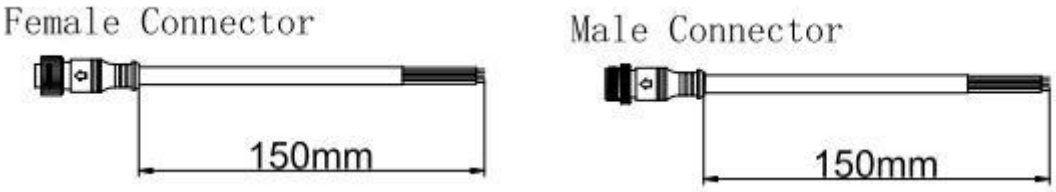



**Online Controlling System Diagram**

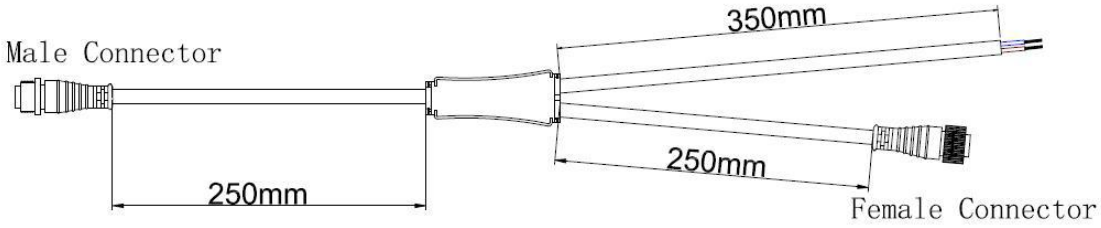


**Accessories :**

**1: Female and Male Connector( Connect to first dot light for signal transmission)**



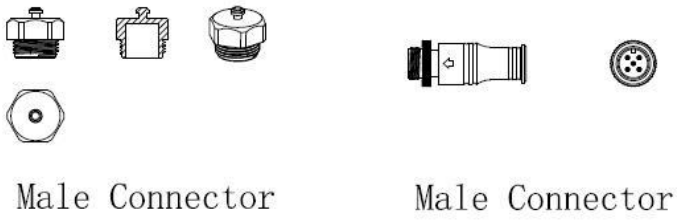

**2: Y Shape Connector(For power Distribution)**




**3: Interconnection Cable(1.3M,3M,5M is standard length)**




**4: End Cap**



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