EXC 爱克

聚焦LED点光源 专注LED景观照明
Focus on LED Pixel Light, Specialized in LED Landscape Lighting.

EXC-U24TAL0   LED Linear light

Application Environment：
Indoor
Outdoor

Description

EXC-U24TAL0 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 8/16bit 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

- Self-contained wing installation

- 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	0.62Kg
Working Temperature	-40°C to 60°C
Storage Temperature	-40°C to 70°C
Protection Rating	IP66
Efficiency flux	50LM/W(White), 25LM/W(RGB), 35LM/W(RGBW)， milky diffuser(decrease 30%-50%）
Beam Angle	≥110°

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

Light Intensity Distribution

Light Intensity Chart	

C0/180 110°
C90/270 110°
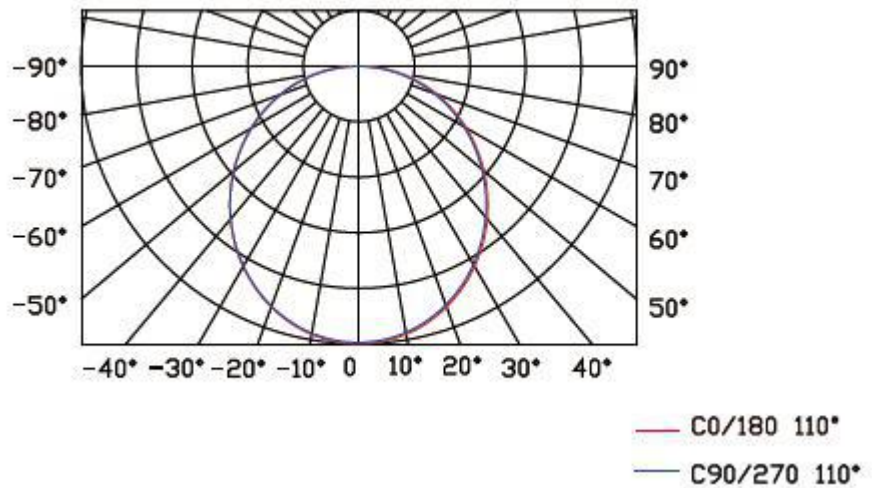
Physical Dimension

Unit：mm

994
46
24
37
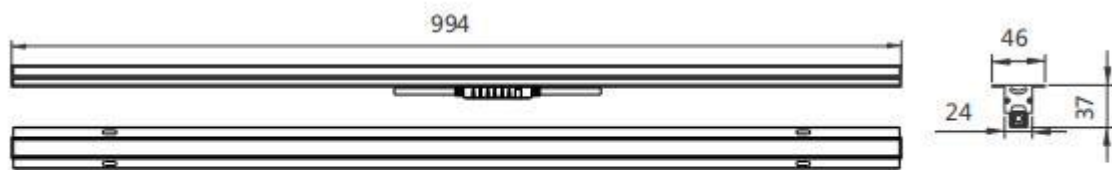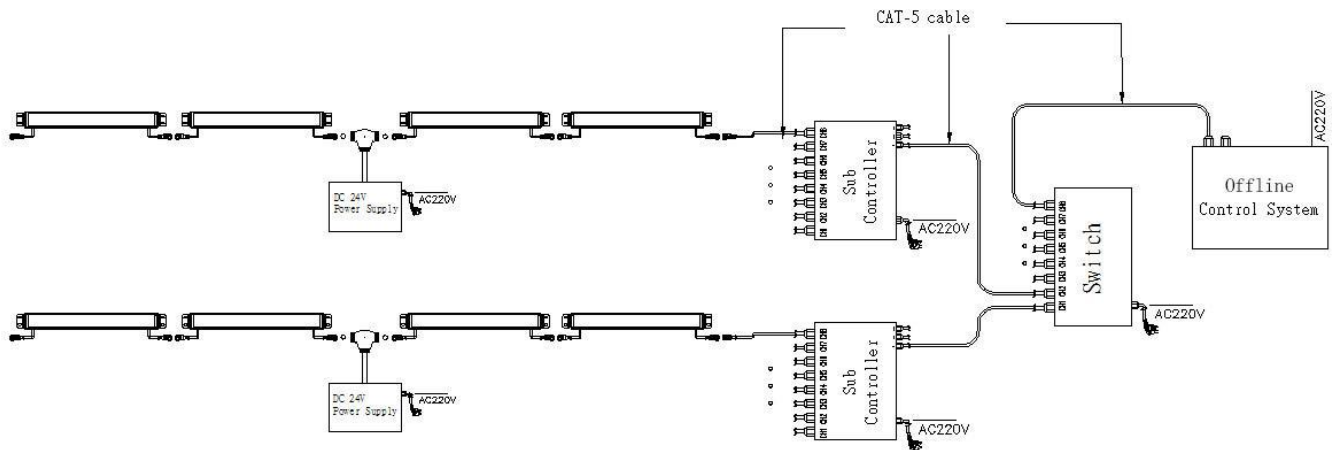
EXC-U24TAL0

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.
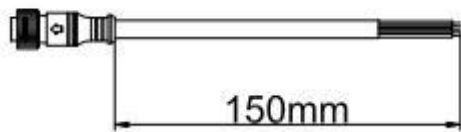
Offline Controlling System Diagram
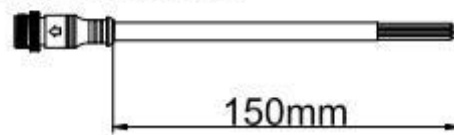

Online Controlling System Diagram

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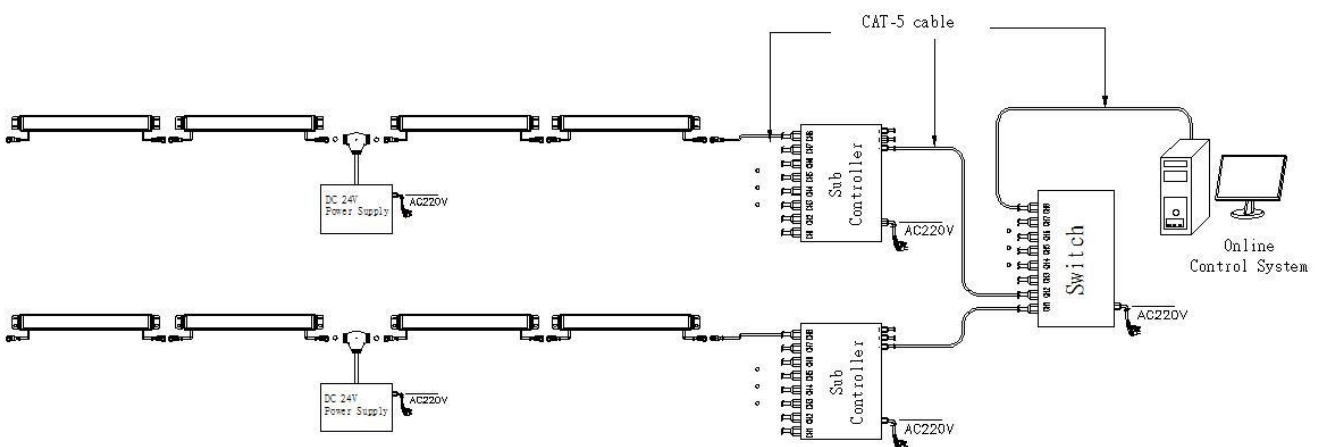
Accessories :

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

Female Connector

Male Connector
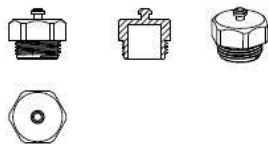
150mm

150mm

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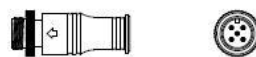
Male Connector

350mm

250mm

250mm
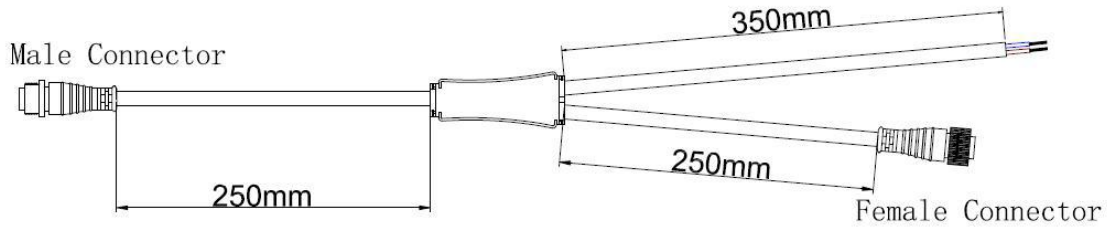
Female Connector

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

Female Connector

Male Connector

4: End Cap

Male Connector

Male Connector