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-B90ARL   LED Flood Light

Application Environment：
Indoor
Outdoor

Description

EXC-B90ARL series consists of full-color large-power spotlights with high-strength aluminum-alloy housing specially designed by EXC for outdoor landscape lighting. Each light is a separate lighting pixel, and each pixel can realize 8/16bit grades gray scale changing. It could be used for illumination in specific areas or landscape wash lighting, applicable on building facades, bridges, stages, etc.

Features

- The newest generation technology: DMX512 parallel bus design

- High strength aluminum and low thermal resistance path cooling design

- High reliability modularization design

- Outdoor lighting protection and electrostatic discharge (ESD) protection design
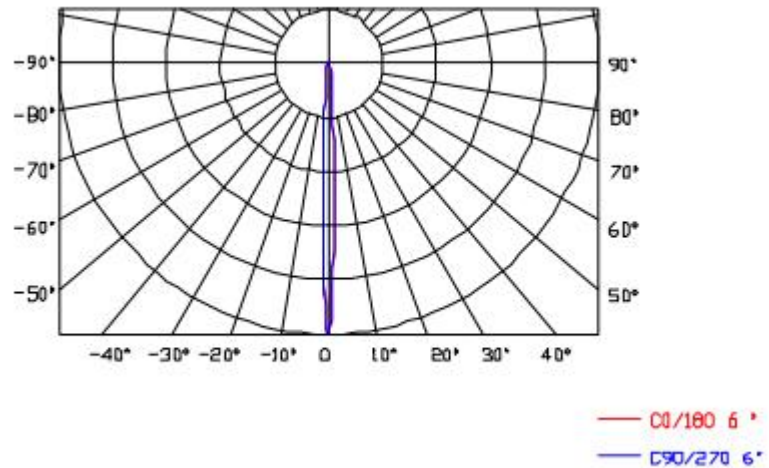
- Load safety design

- Projection distance: 3m

Basic Specifications	
Color Range	White
Working Voltage	DC 24V
Max. Power Consumption	15W
Light Source	5PCS High Power LEDs
LED chip Brand	Optional(Cree, OSRAM, Lumileds, Epistar, etc...)
CRI	80
Control	DMX512, ON/OFF
Source Life	50,000 h
Housing	High Strength Aluminum
Cover	Tempered glass
Weight	1.3Kg

深圳爱克莱特科技股份有限公司
Shenzhen EXC-LED Technology Co.,Ltd

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| Dimensions	106mm x103.6mm x 174.8mm (L x W x H, exclude Mounting Bracket)
Installation	Mounting seat
Working Temperature	-40°C to 60°C
Storage Temperature	-40°C to 70°C
Protection Rating	IP66
Efficiency flux	≥60LM/W(White),≥40LM/W(RGBW),≥30LM/W(RGB)
Beam Angle	10°, 25°,30°, 80° and other angles optional

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

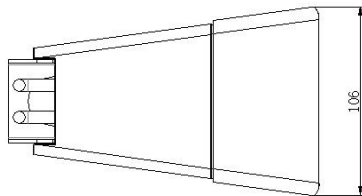**Light Intensity Distribution**

6° Light Intensity Chart	
10° Light Intensity Chart	

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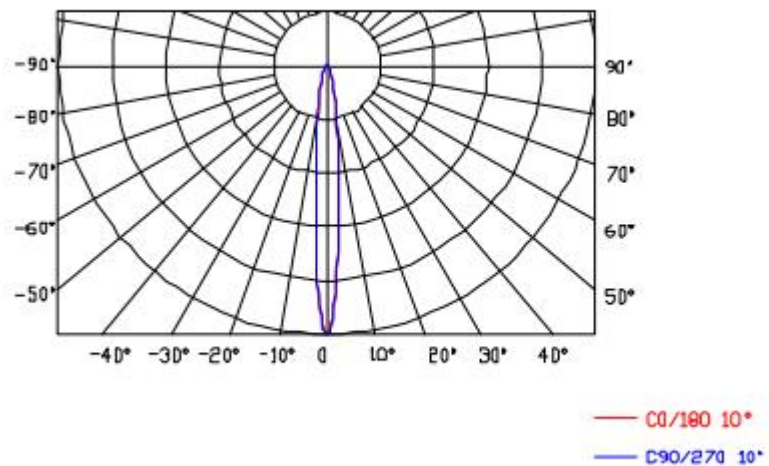
80°
Light Intensity Chart

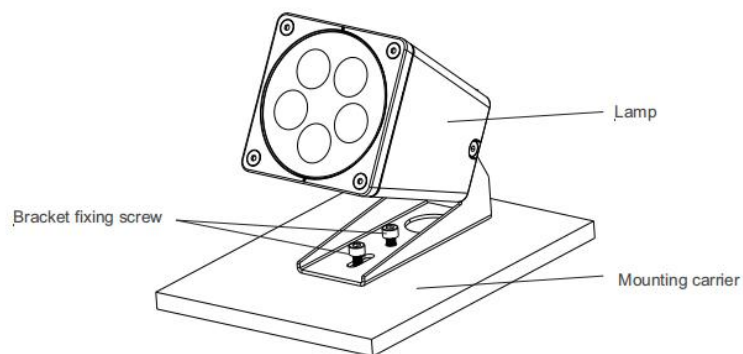—— CD/180 80°
—— C90/270 80°
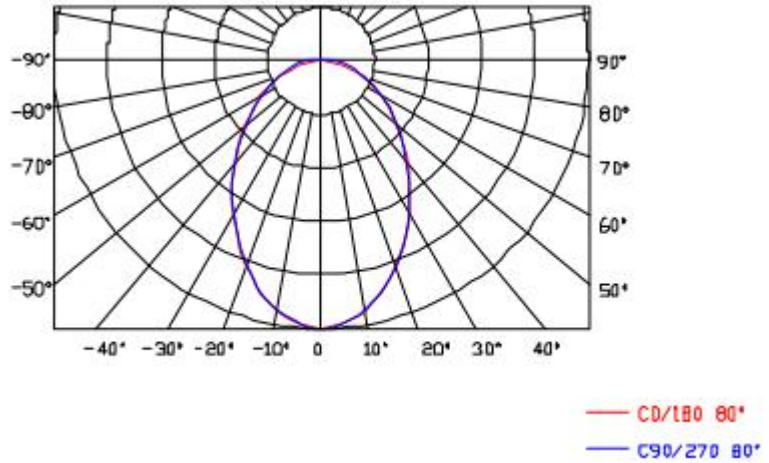
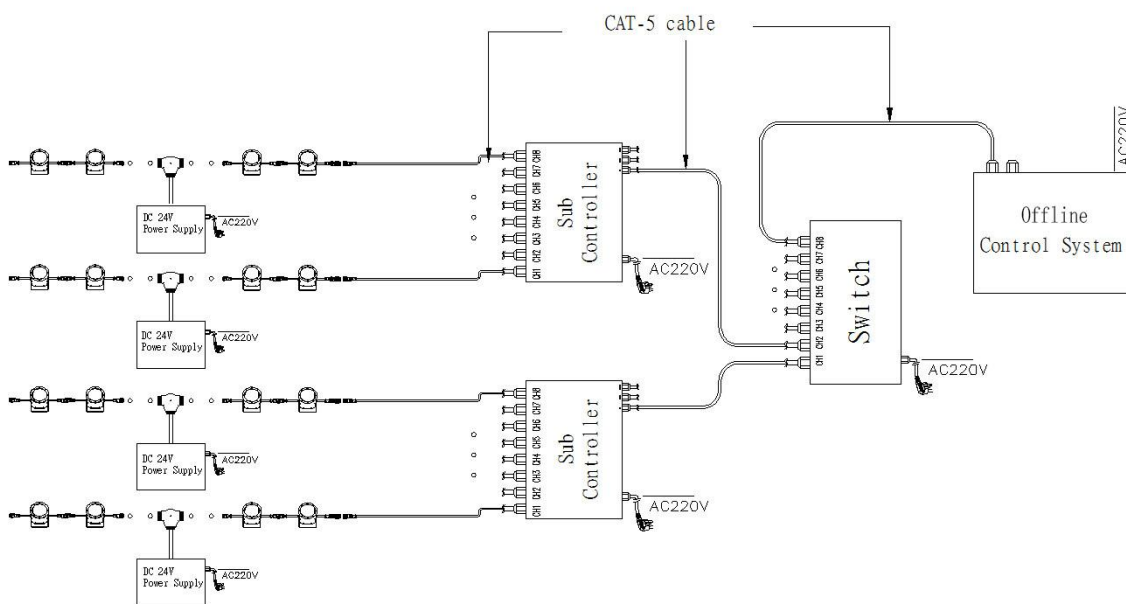## Physical Dimension

Unit：mm

174.8

103.6

106
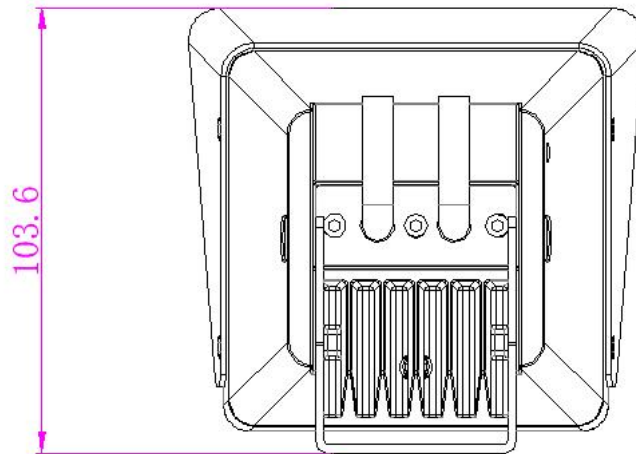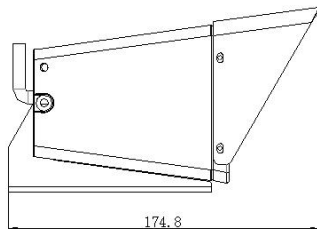
Installation Diagram

Place the lamp on the mounting carrier as shown in the figure, and then fix the lamp back onto the mounting carrier with M4 screws.


Lamp

Bracket fixing screw

Mounting carrier

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.

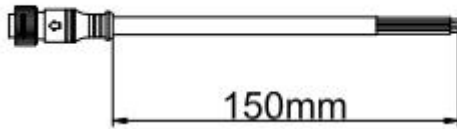### Offline Controlling System Diagram
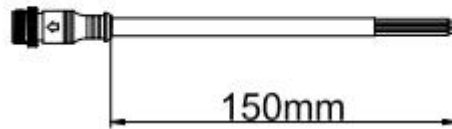

Online Controlling System Diagram

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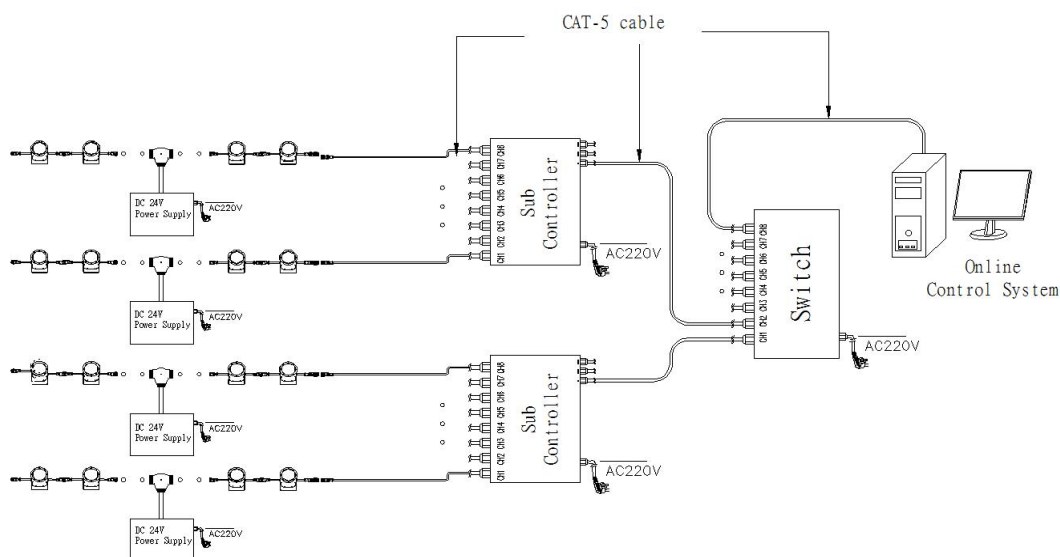
Accessories :

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

Female Connector 150mm

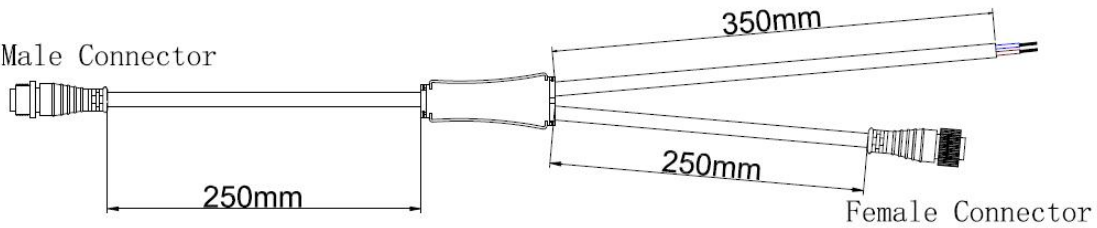Male Connector 150mm

2: Y Shape Connector(For power Distribution)

Male Connector 250mm

350mm

250mm

Female Connector

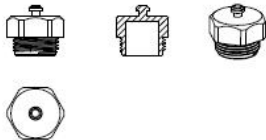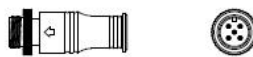**3: Interconnection Cable(1.3M,3M,5M is standard length)**

Female Connector

Male Connector

4: End Cap

Male Connector

Male Connector