EXC-B90ABL LED Flood Light



Application Environment：
Indoor
Outdoor

Description

EXC-B90ABL 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

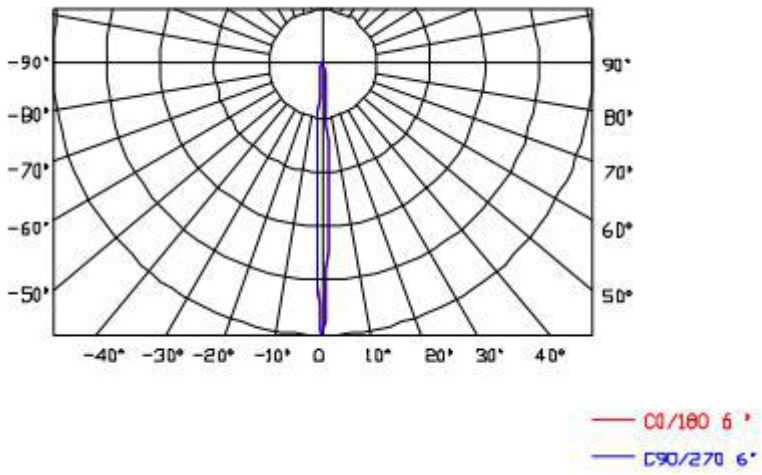
Basic Specifications	
Color Range	W, RGB
Working Voltage	DC 24V
Max. Power Consumption	6W/8W/9W/10W/12W/15W
Light Source	3/4/5PCS High Power LEDs
LED chip Brand	Optional(Cree, OSRAM, Lumileds, Epistar, etc...)
CRI	80
Control	DMX512, ON/OFF
Source Life	50,000 h
Housing	High Strength Aluminum
Cover	Tempered glass
Weight	1.12Kg
Dimensions	99mm x 99mm x 124mm (L x W x H, exclude Mounting Bracket)

Installation	Mounting seat
Working Temperature	-30°C to 50°C
Storage Temperature	-40°C to 70°C
Protection Rating	IP66
Efficiency flux	⩾60LM/W(White),⩾40LM/W(RGBW),⩾30LM/W(RGB)
Beam Angle	6°, 10°, 30°, 80° and other angles optional

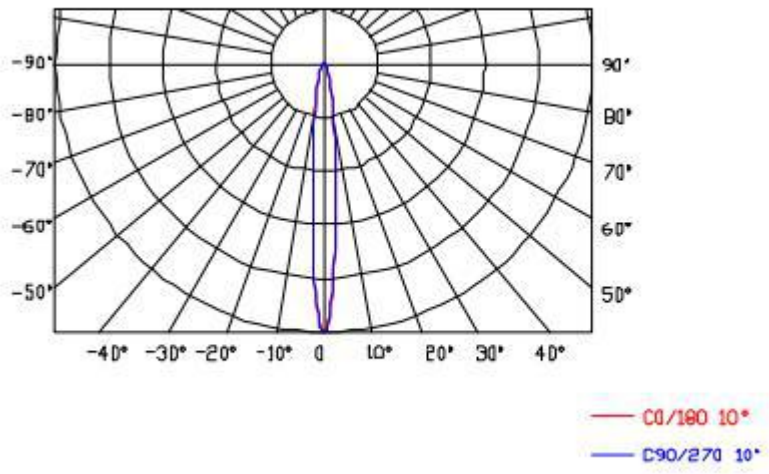
Host Controller	EXC-5200
Slave Controller	EXC-2905T1
Signal Cable	EXC-LED outdoor special cable

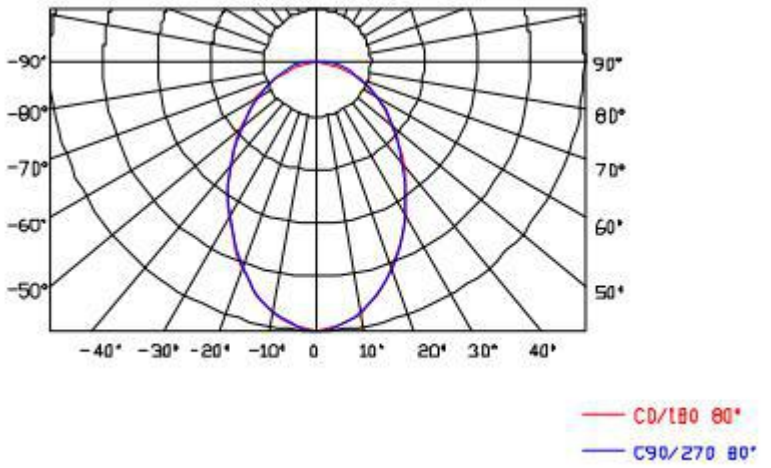
Light Intensity Distribution

6°
Light Intensity Chart



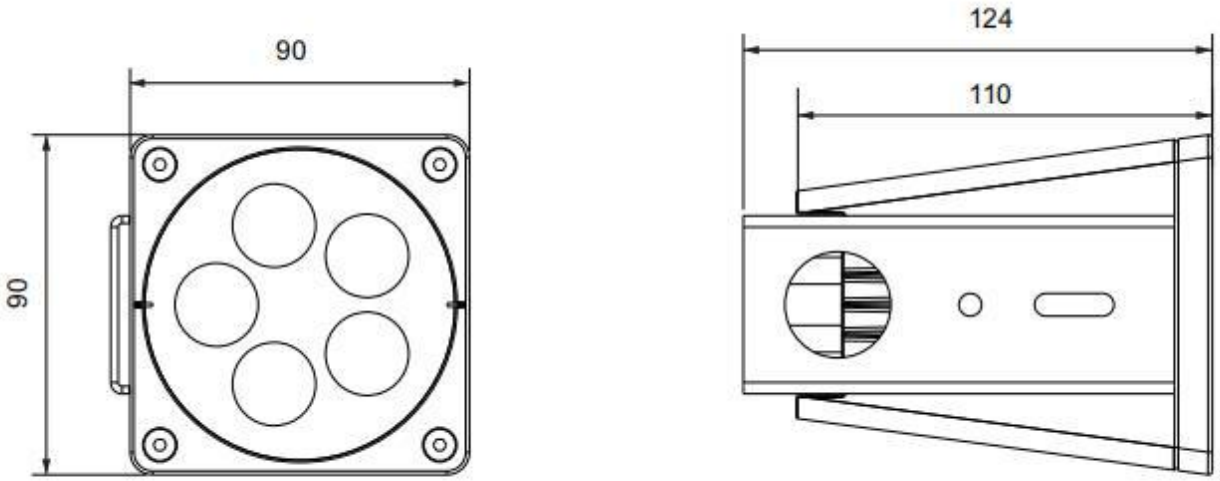
10°
Light Intensity Chart



80° **Light Intensity Chart**	

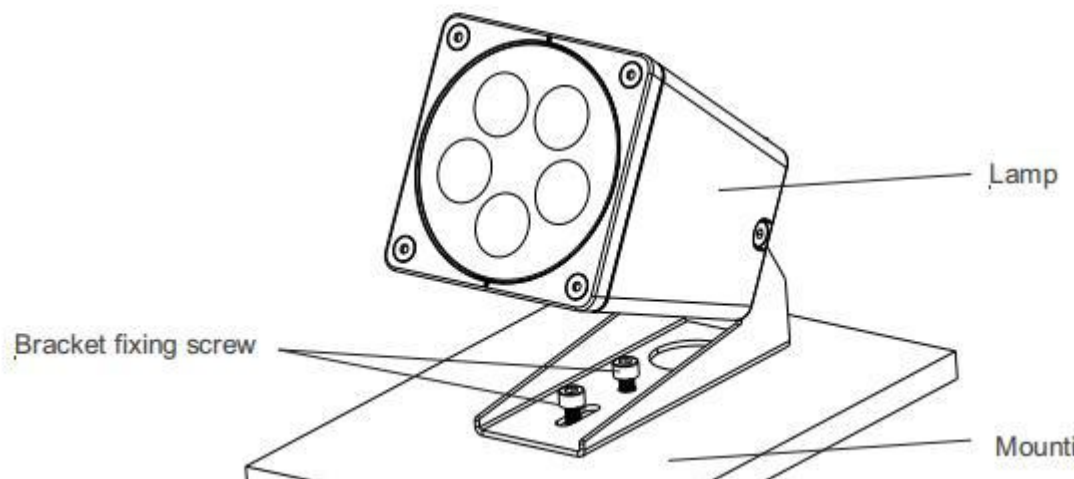
Physical Dimension

Unit：mm



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.



System connection diagram：

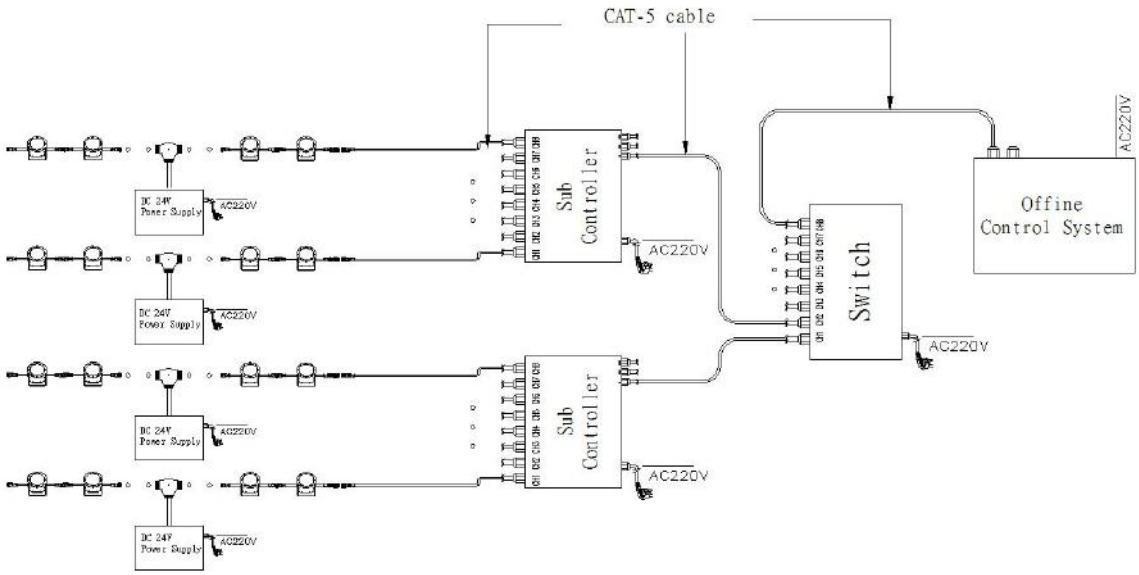
1、Host controller should connect with slave controller. Working voltage for controllers are AC220V.

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

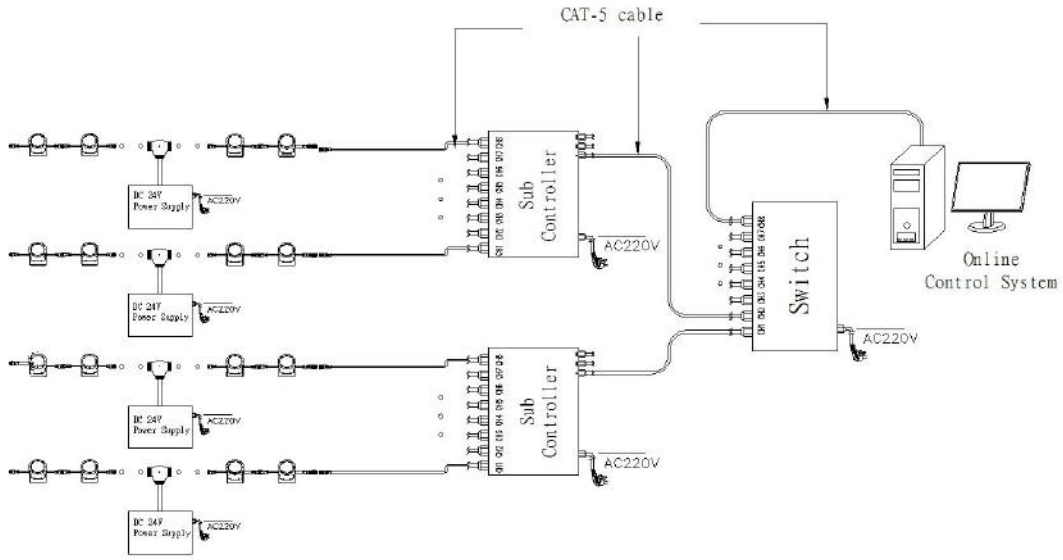
3、each sub-controller with 8 ports, with each port 512 pixels, supporting data converter, supports 100 meters ultra-long haul transmission.

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

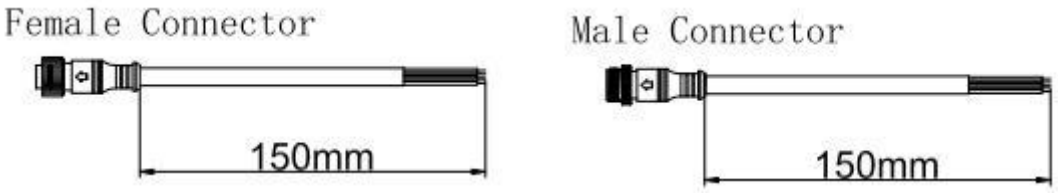


Online Controlling System Diagram

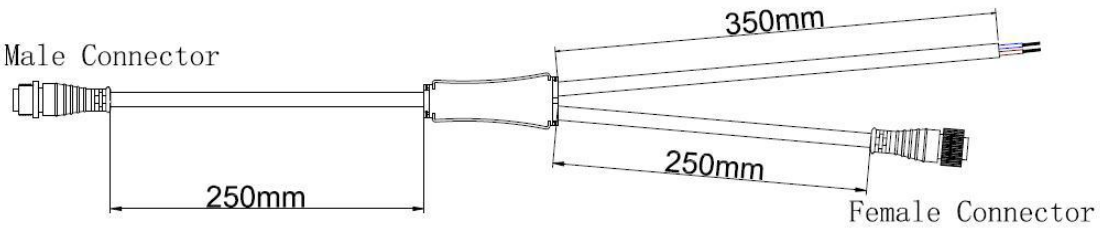


Accessories :

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

