

EXC-B50ARL LED Flood Light



Application Environment: Indoor Outdoor

Description

EXC-B50ARL series consists of full-color small-power spotlights with high-strength aluminum-alloy housing specially designed by EXC for outdoor landscape lighting. The product uses CREE lamp beads. Each light is a separate lighting pixel, and each pixel can realize 65536 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

- High reliability, modular 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: 1m

Basic Specifications		
Color Range	W	
Working Voltage	DC 24V	
Max. Power Consumption	3W	
Light Source	1 PCS High Power LEDs	
LED chip Brand	Optional(Cree, OSRAM, Lumileds, Epistar, etc)	
CRI	80	
Control	ON/OFF	
Source Life	50,000 h	
Housing	High Strength Aluminum	
Cover	Tempered glass	
Weight	0.4Kg	
Dimensions	67mm x 54mm x 77mm (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	≥70LM/W(White),≥45LM/W(RGBW),≥30LM/W(RGB)
Beam Angle	10°, 80°, and other angles optional

Slave Controller Signal Cable EXC-LED outdoor special cable Light Intensity Distribution Light Intensity Chart 80° Light Intensity Chart Light Intensity Chart	Host Controller	EXC-5200	
Light Intensity Distribution 10° Light Intensity Chart 80° Light Intensity Chart	Slave Controller	EXC-2905T1	
10° Light Intensity Chart 80° Light Intensity Chart 10° Light Intensity Chart	Signal Cable	EXC-LED outdoor special cable	
Light Intensity Chart 80° Light Intensity Chart Light Intensity Chart	Light Intensity Distribution		
80° Light Intensity Chart		-80° -70° -60° -50°	
		-80° -70° -60° -50° -50°	

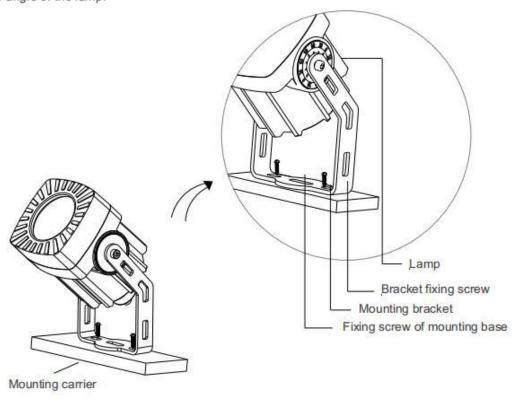


Physical Dimension Unit: mm

Installation Diagram

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Place the lamp on the carrier to be preinstalled on and confirm the lamp spacing requirements. Lock the bracket fixing screws on the carrier as shown in the figure and lock the mounting seat fixing screws. Secure screws and adjust the angle of the lamp.

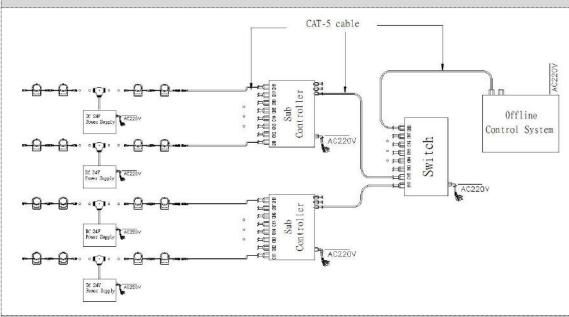




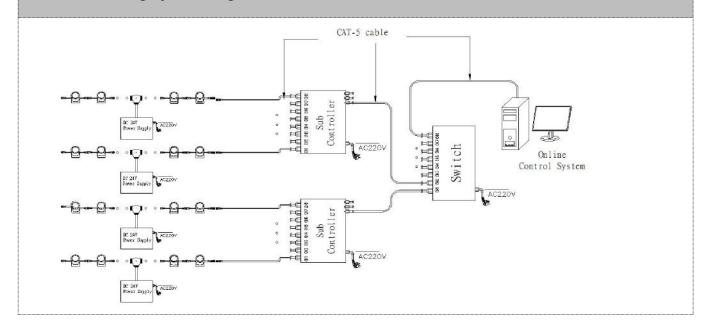
System connection diagram:

- 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) Female Connector Male Connector 150mm 150mm 2: Y Shape Connector(For power Distribution) 350mm Male Connector 250mm 250mm Female Connector 3: Interconnection Cable(1.3M,3M,5M is standard length) Male Connector Female Connector 4: End Cap Male Connector Male Connector