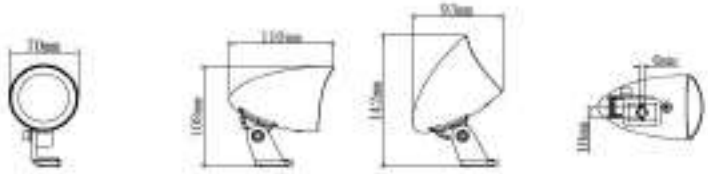
Cyra RGBW | Projector Lights

The circular luminaire is suitable for medium-to-short-distance projection effects in small-sized spaces. It features a compact and exquisite size, comes with available built-in anti-glare accessories,supports full voltage range input, and when matched with a 50mm optical system, it is capable of delivering ultra-strong narrow-beam white light and colored light output. Additionally, it offers an optional RGBW color mixing solution.



Technical Details

Power : 5W/10W
Lumen Output :275lm/557lm
CRI :>80
Beam Angle : 8°/10°/15°/25°
CCT : RGBW (6500K)
Input Voltage :DC 24V
Driver : Remote
Material : Aluminium (ADC12)
Finishing Color : Gray (RAL7005)/ Black
Reflector : Tempered Glass
Led Lifespan:54000Hrs
IP Rating : IP66
SDCM:3 Step
Pixel:1 pixel
Control:DMX/RDM(optional)

Chip Details

Led Chip : Cree
Voltage:3V

Light Distribution

Light Performance

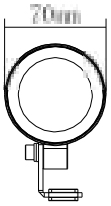
Order Options

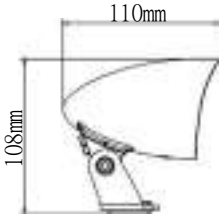
Model Code	Power	Lumens	CCT	CRI	Beam	Finish	Size	Accessories
EL-KMXPL-05	5W	275lm	RGBW (6500K)	>80	8°/10°/15°/25°	Gray (RAL7005)/ Black	D 70 x W 110 x H 142mm	Snoot Brackets
EL-KMXPL-10	10W	557lm						

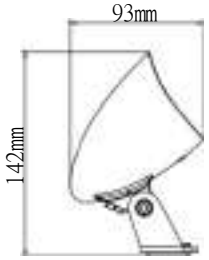
Mounting Options

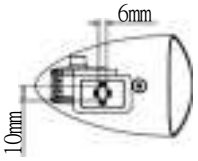
Single-sided Bracket

Dimensional Drawing

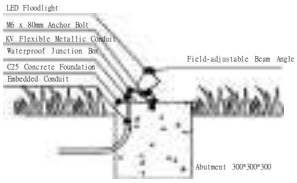



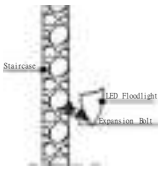


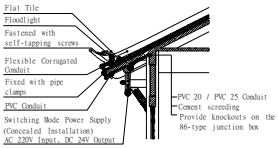


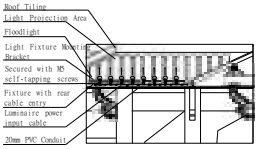


Installation Diagram



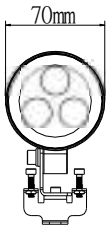


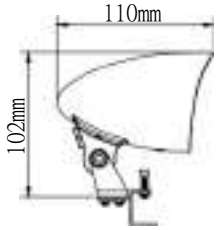


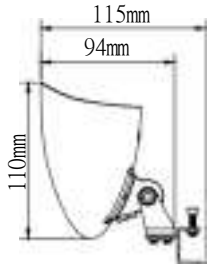


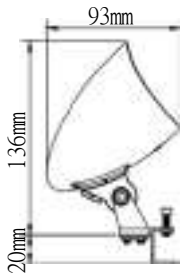
Tile- Clamp Bracket

Dimensional Drawing

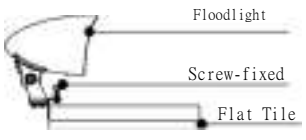



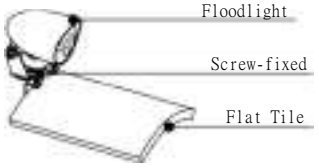






Installation Diagram

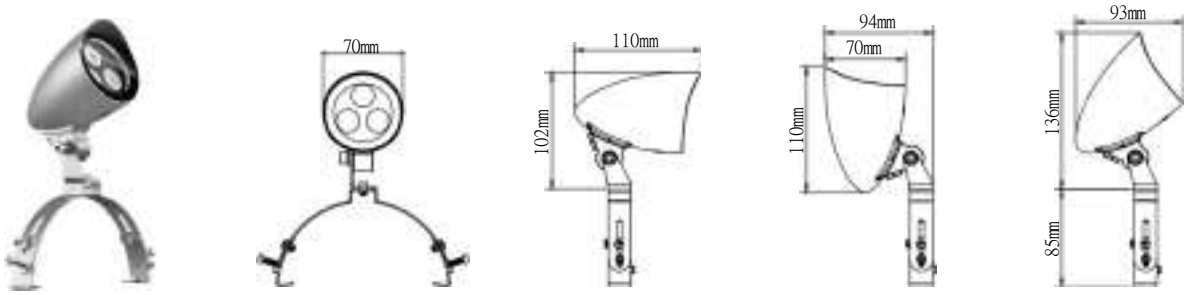





Mounting Options

Hook Bracket

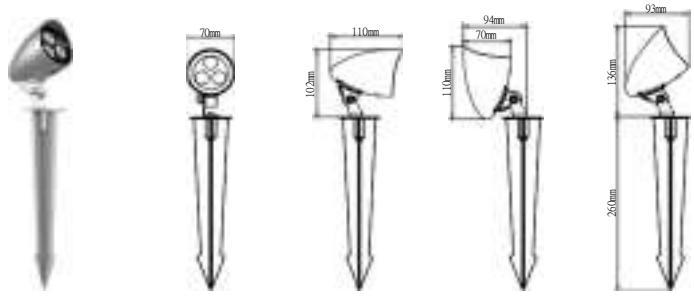
Dimensional Drawing



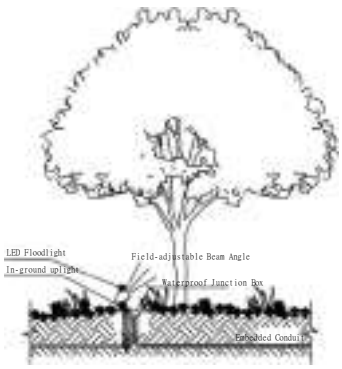
Installation Diagram

Spike

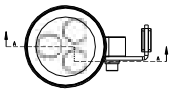
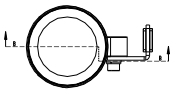
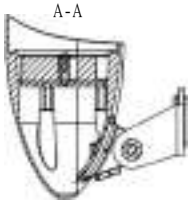
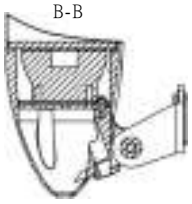
Dimensional Drawing



Installation Diagram

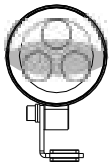


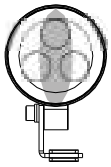
Anti-glare Accessories

	Φ22mm Optics	Φ50mm Optics
		
Front View		
Sectional View	A-A 	B-B 

Optical Options – Discrete

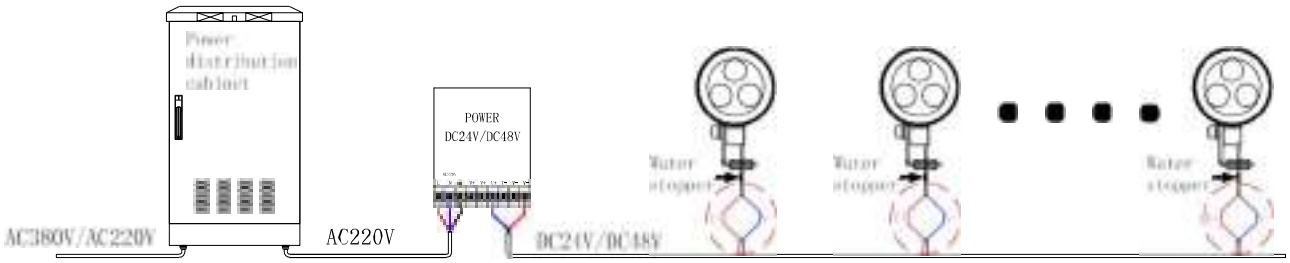
LSLH - Linear Spread Lens Horizontal Distribution
LSLV - Linear Spread Lens Vertical Distribution


LSLH

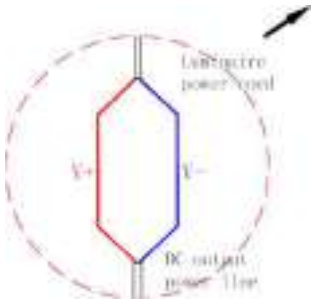

LSLV

Wiring Diagram

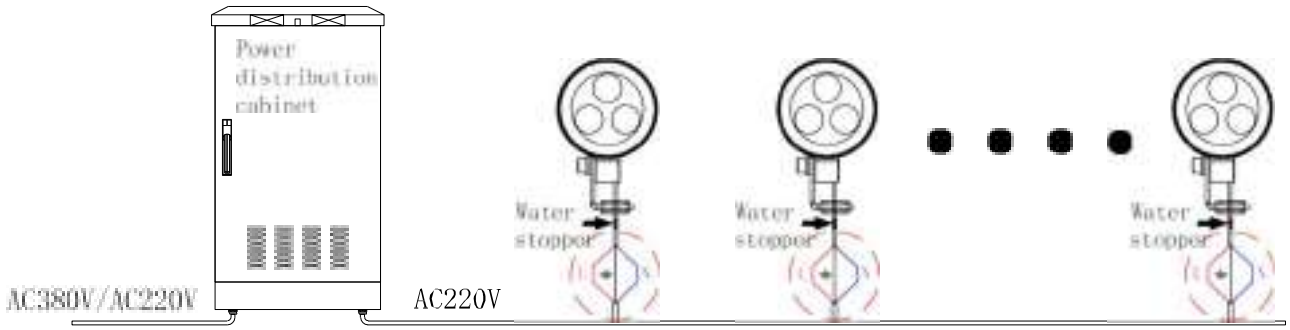
Wiring Diagram of Low-Voltage Constant-Light



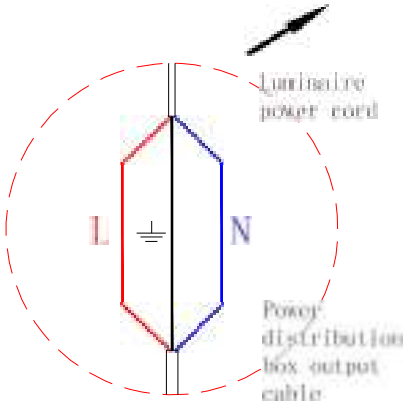
Wiring Sequence Instruction for 2-Core Water stopper Connector Lamps:
1. Brown/Red Wire for DC+
2. Bule/Black Wire for Signal DC-
Power Supply Series Connection Instructions:
The total power of the luminaires should be less than 80% of the power supply's total capacity.
The total output current of the power supply must not exceed its maximum current rating.
The voltage drop at the end should be less than 8V.
The luminaire cable connects to both the power line,Ensure all connections are secure and properly waterproofed.



Wiring Diagram of High-Voltage Constant-Light

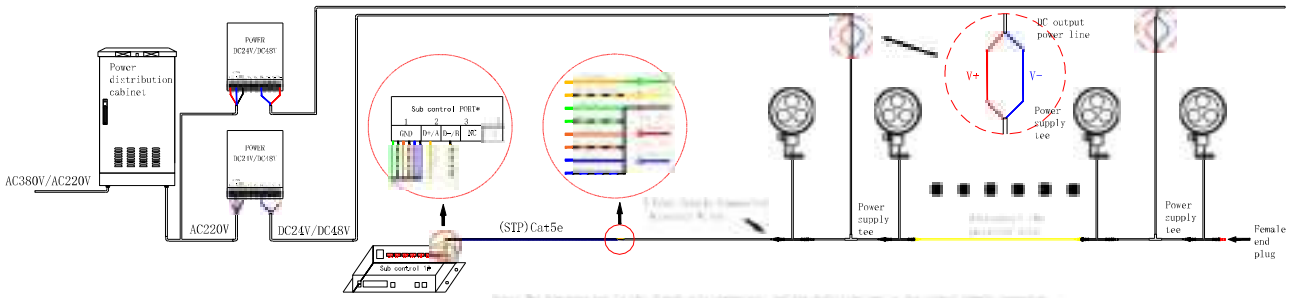


Wiring Sequence Instruction for 3-Core Water stopper Connector Lamps:
1. Brown Wire for AC220V-L
2. Bule Wire for AC220V-N
3. Yellow-Green wire for Grounding
Power Supply Series Connection Instructions:
The total current of the distribution box output line must be greater than the total current of the luminaires.
The voltage drop at the end must be less than 20V.
The luminaire cable connects to both the power line,Ensure all connections are secure and properly waterproofed.

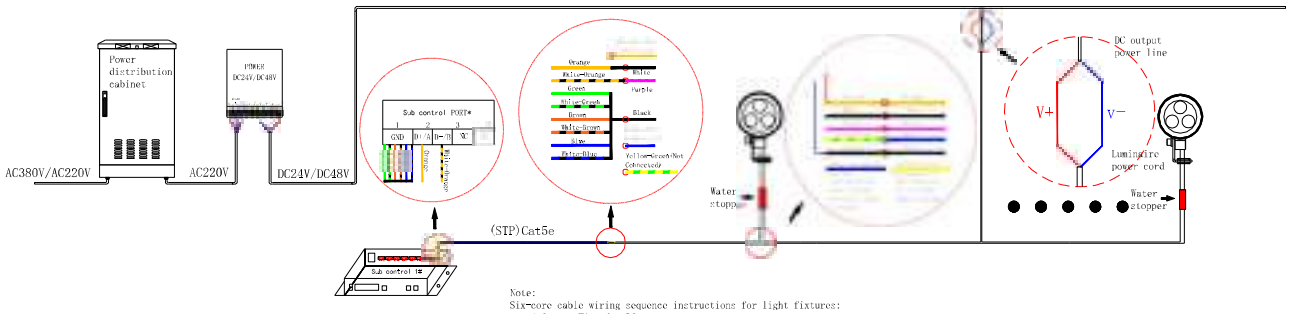


Wiring Diagram

Wiring Diagram of Low-Voltage DMX512 - 1



Wiring Diagram of Low-Voltage DMX512 - 2

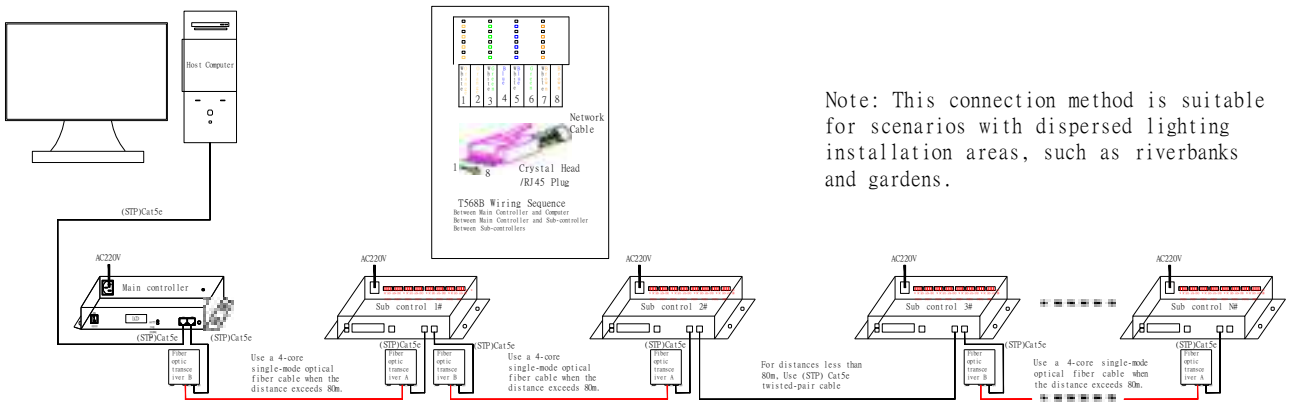


Note:
Six-core cable wiring sequence instructions for light fixtures:
1. Orange Wire for DC+
2. White Wire for Signal A
3. Purple Wire for Signal B
4. Black Wire for DC-/GND
5. Blue Wire PI (The first lamp with male connector connected to the controller port does not connect this wire)
6. Yellow-Green Wire PO

The distance from the sub-controller port to the first lamp shall be controlled within 50 meters. If it exceeds 50 meters, a signal amplifier must be added at the first lamp. The distance from the sub-controller to the last lamp of a single signal line shall not exceed 100 meters, and the number of lamps loaded by each signal line shall not exceed the maximum load capacity of the sub-controller port. The luminaire cable connects to both the power line and the signal line, Ensure all connections are secure and properly waterproofed.

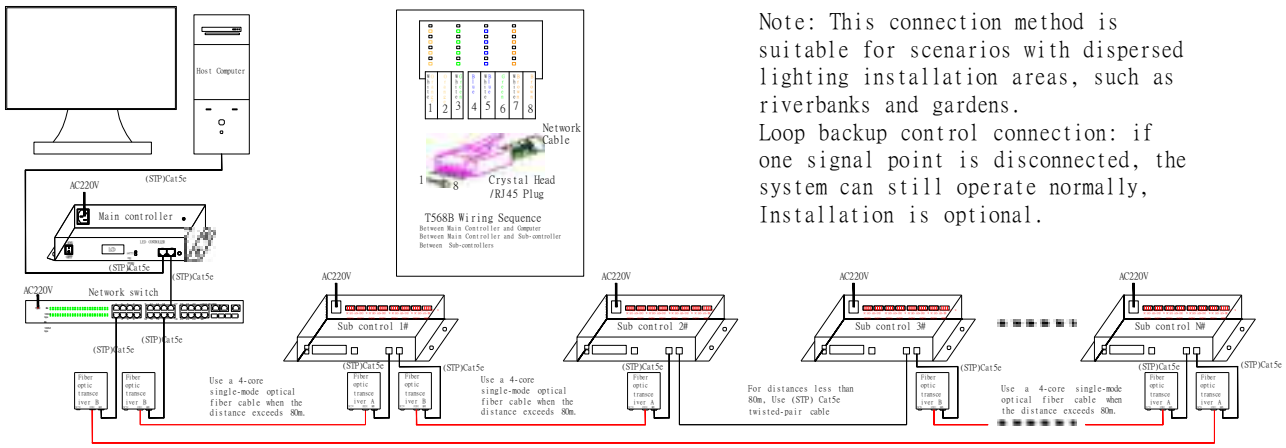
Control System Diagram

Control System Diagram (Standard)



Note: This connection method is suitable for scenarios with dispersed lighting installation areas, such as riverbanks and gardens.

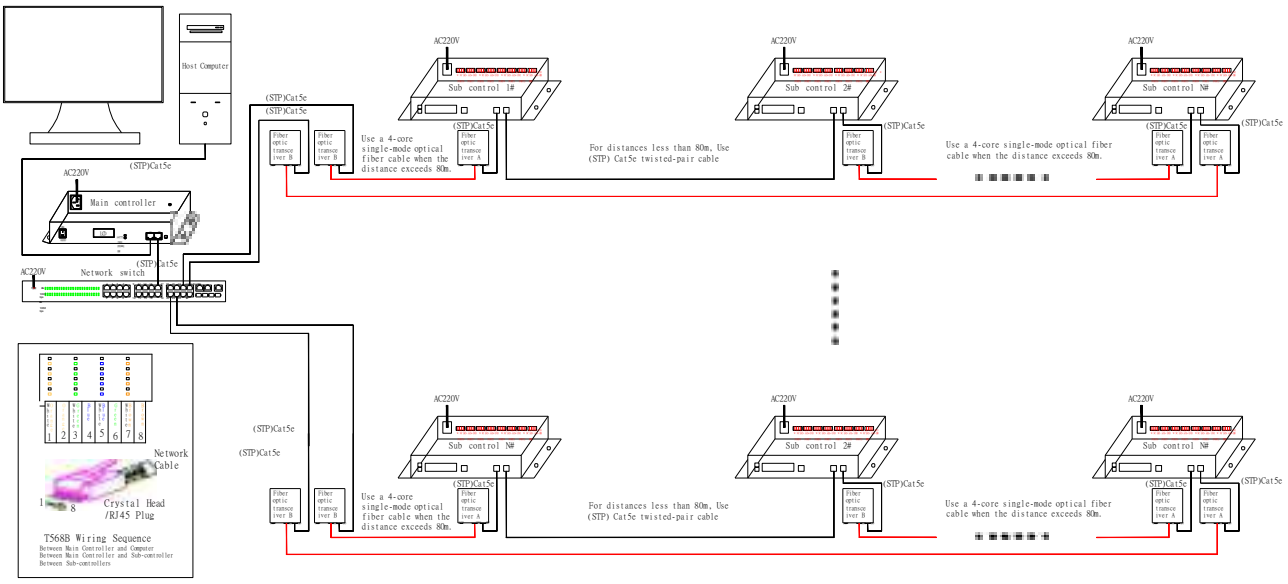
Control System Diagram (Loop Backup)



Note: This connection method is suitable for scenarios with dispersed lighting installation areas, such as riverbanks and gardens.
Loop backup control connection: if one signal point is disconnected, the system can still operate normally, Installation is optional.

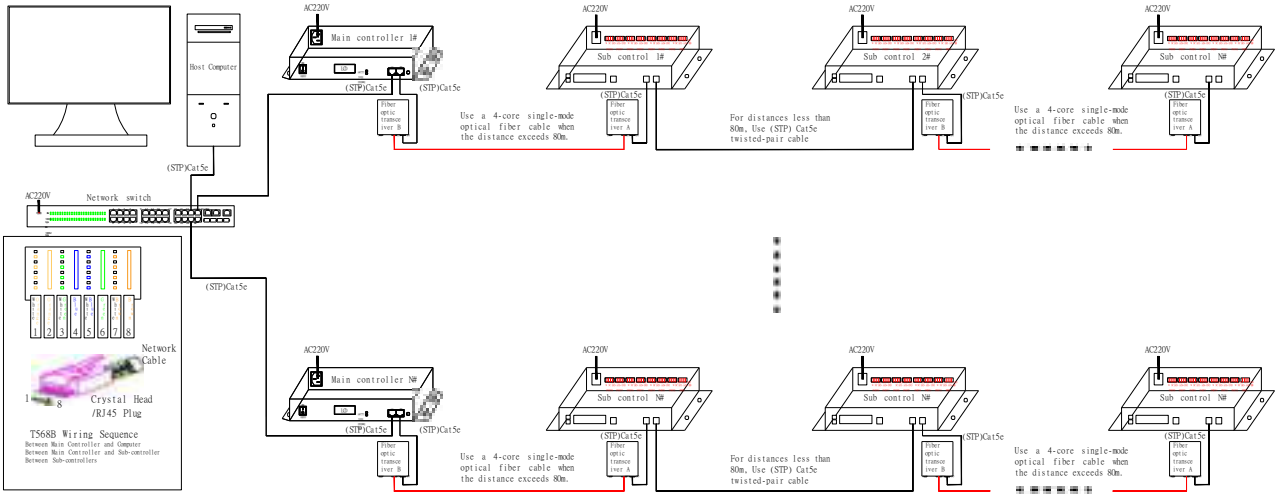
Control System Diagram

Control System Diagram (Multi-Circuit Loop Backup)



Note: This connection method is suitable for scenarios with concentrated lighting installation areas, such as buildings and shopping malls.
Loop backup control connection: if one signal point is disconnected, the system can still operate normally, Installation is optional.
Control System Connection Instructions:
1. Each main controller can carry a maximum of 50 sub-controllers. If exceeding 50, an additional main controller is required;
2. The RJ45 connectors for connections between controllers all adopt the T568B crimping sequence;
3. The maximum distance for connections between controllers shall not exceed 80 meters. If exceeding 80 meters, the connection method shall be changed to fiber optic cable plus transceiver.

Control System Diagram (Multi-Master Control)



Note: This connection method is suitable for scenarios with concentrated lighting installation areas, such as buildings and shopping malls.
Control System Connection Instructions:
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