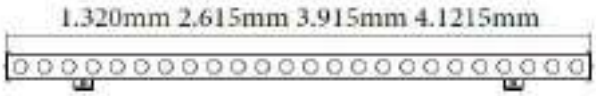
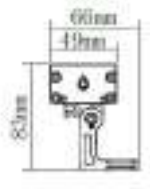
Pulsar- RGBW | Wall Washer Lights

Outdoor LED Wall Washer is a high-performance lighting fixture designed to highlight building façades, landscapes, and architectural features. It offers uniform light distribution, energy efficiency, and durable weatherproof construction for long-term outdoor use.





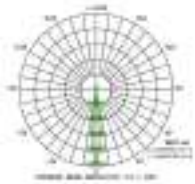
Technical Details

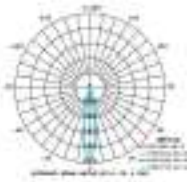
Power : 15W/28W/41W/55W
Lumen Output :810lm/1580lm/2310lm/3150lm
CRI :80
Beam Angle : 10°/15°/25/40°/50°/15*40°
CCT : RGBW(W:3000K)
Input Voltage :AC 120 - 277V
Driver : Integral
Material : Extruded Aluminium
Finishing Color : Gray (RAL7005)
Reflector : Tempered Glass
Led Lifespan:54000Hrs
IP Rating : IP66
Led Lifespan:54000Hrs
SDCM:3 Step
Pixel:1(15w)/ 2(25W)/3(41W)/4 (55W)
Control:DMX/RDM(optional)

Chip Details

Led Chip : Cree
Source Lumens:80-140LM
Voltage:3V

Light Distribution





Light Performance

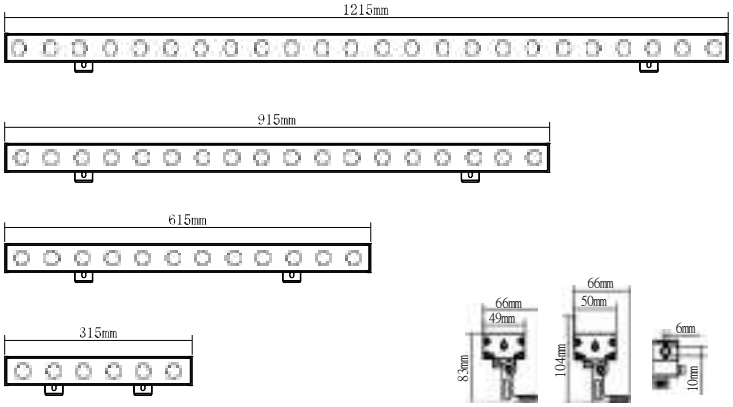
Order Options

Model Code	Power	Lumens	CCT	CRI	Beam	Finish	Size	Accessories
EL-KMXWW-15	15W	810lm	RGBW (W:3000K)	>80	10°/15°/25/ 40°/50°/ 15*40°	Black	L 320x W 49 x H 83mm	Adjustable bracket
EL-KMXWW-28	28W	1580lm					L 615x W 49 x H 83mm	
EL-KMXWW-41	41W	2310lm					L 915x W 49 x H 83mm	
EL-KMXWW-55	55W	3150lm					L 1215x W 49 x H 83mm	

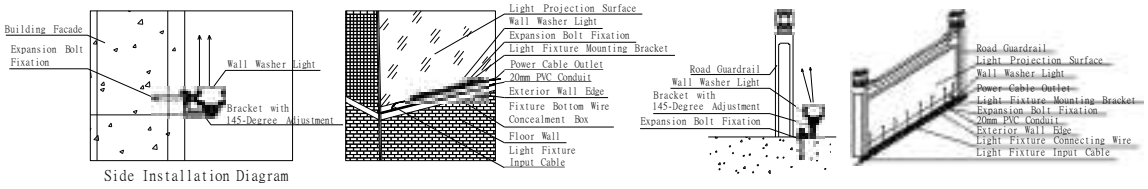
Mounting Options

Adjustable Bracket-DC

Dimensional Drawing



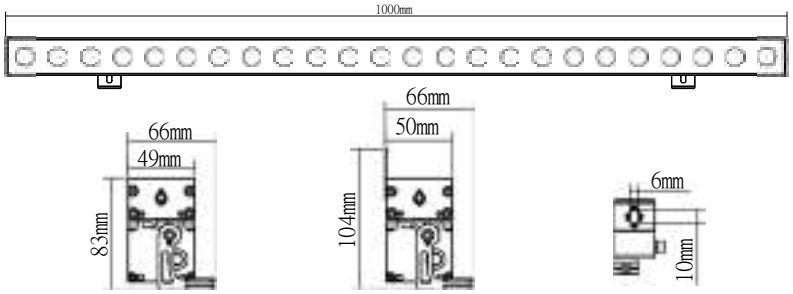
Installation Diagram



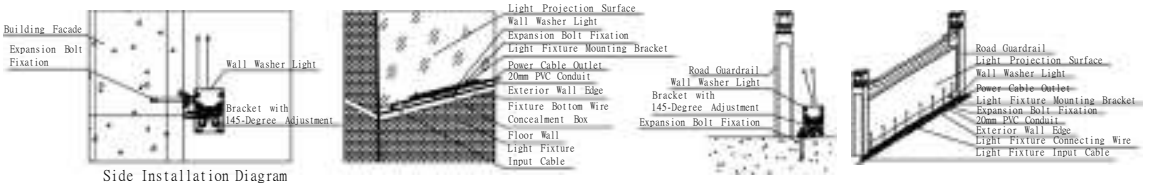
Side Installation Diagram

Adjustable Bracket-AC

Dimensional Drawing



Installation Diagram



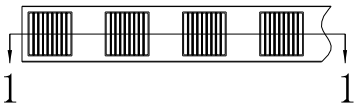
Side Installation Diagram

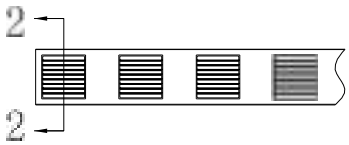
Anti-glare Accessories

Vertical Built-in Louver

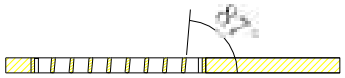
Horizontal Built-in Louver

Front View





Sectional View



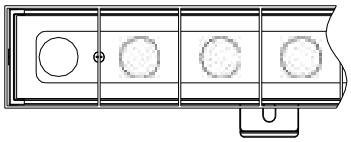
1–1

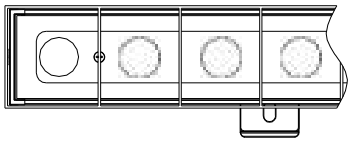
2–2

Radial Louver

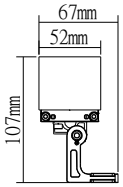
Radial Louver Asymmetric

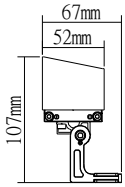
Front View





Sectional View

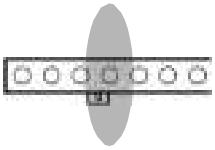




Optical Options – Discrete

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

LSLH



LSLV

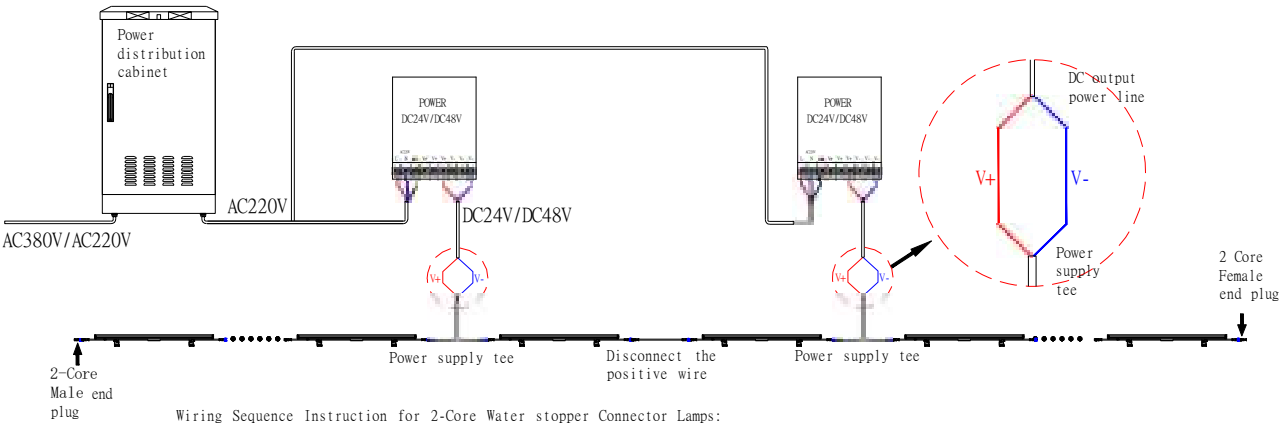
Photometric Summary（Optical Film）

Single-Angle	Dual-Angle (Horizontal)	Dual-Angle (Vertical)
3.5 °、5 °、10 °、15 °、20°、30 °、40 °、50 °、60 °、80 °	15*1°、30*1°、60*1°、40*10°、60*10°、60*30°、75*45°	1*15°、1*30°、1*60°、10*40°、10*60°、30*60°、45*75°

The final beam angle (for reference) is: $\sqrt{(A^2 + B^2)}$, where A represents the original angle before coating, and B represents the angle of the film.

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 DC-

Power Supply Series Connection Instructions:

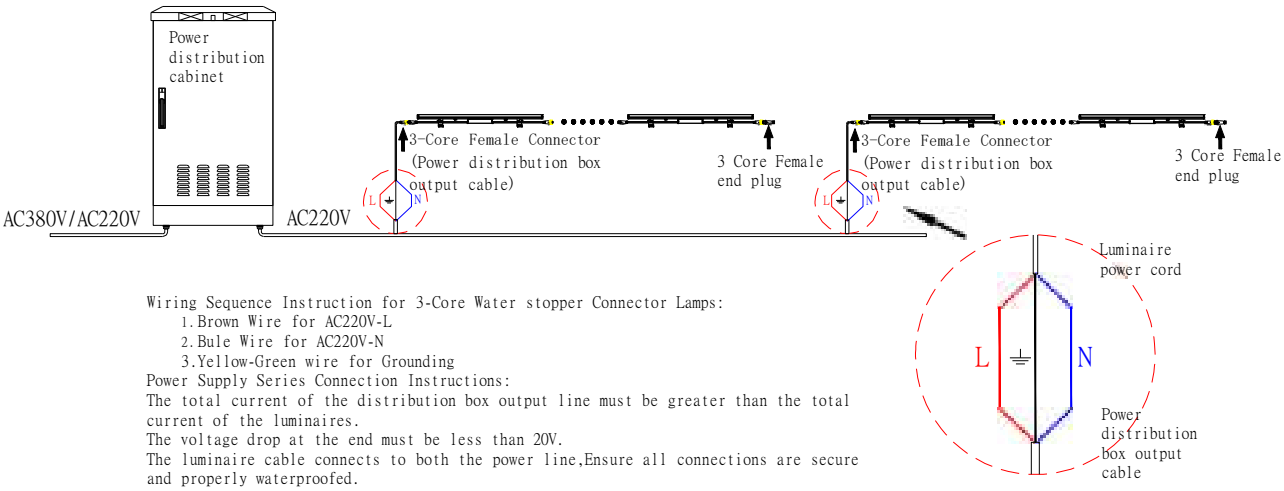
The total power of the luminaires should be less than 80% of the power supply's total capacity.

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 4V.

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:

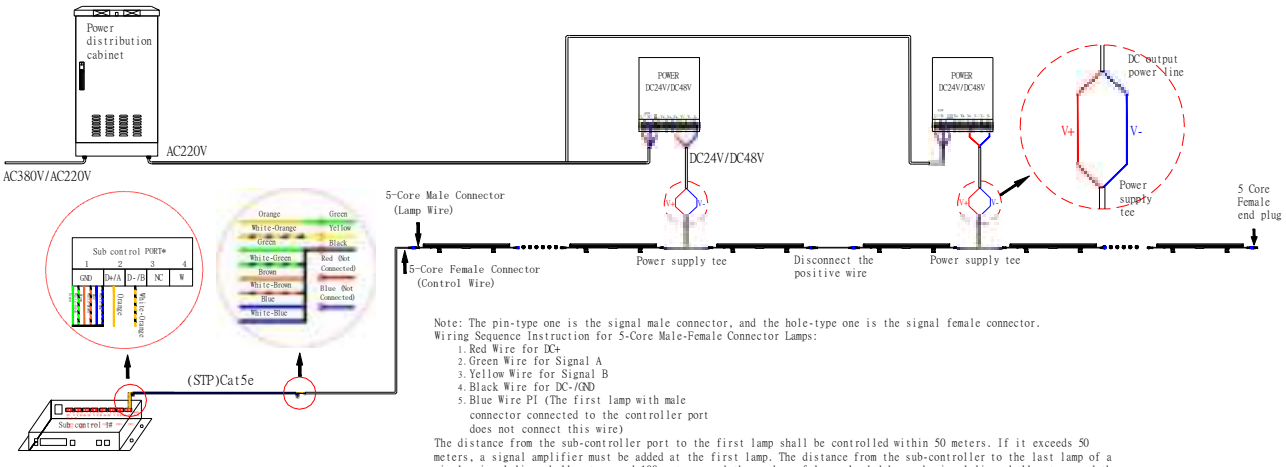
The total current of the distribution box output line must be greater than the total current of the luminaires.

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

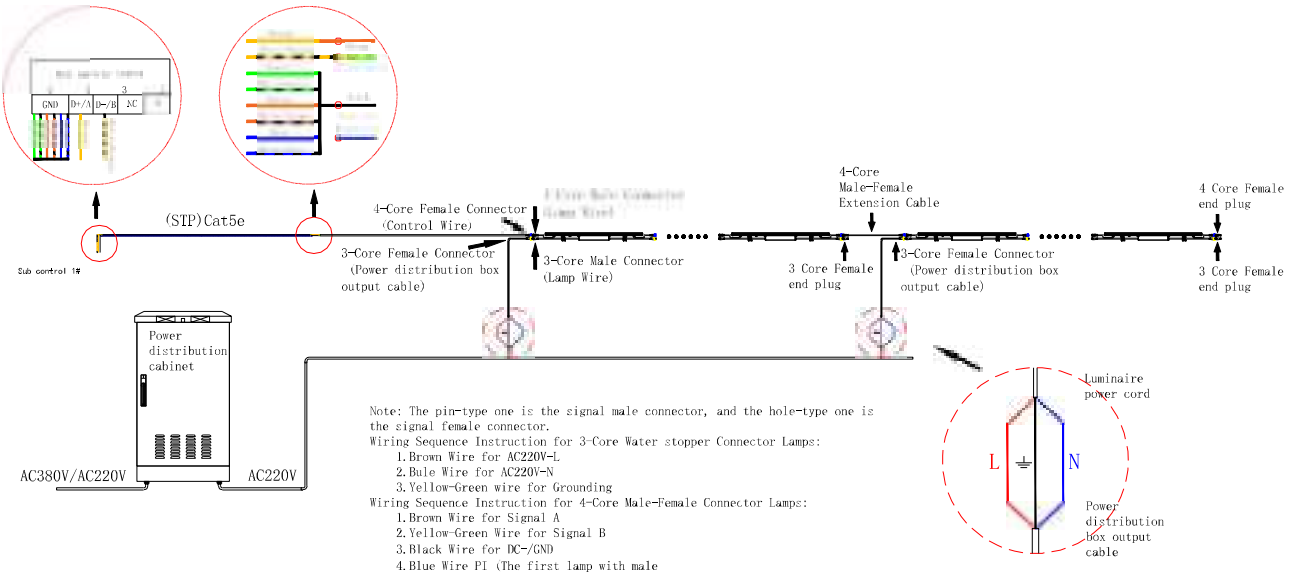


Note: The pin-type one is the signal male connector, and the hole-type one is the signal female connector.
Wiring Sequence Instruction for 5-Core Male-Female Connector Lamps:

1. Red Wire for DC+
2. Green Wire for Signal A
3. Yellow 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)

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.

Wiring Diagram of High-Voltage DMX512



Note: The pin-type one is the signal male connector, and the hole-type one is the signal female connector.
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

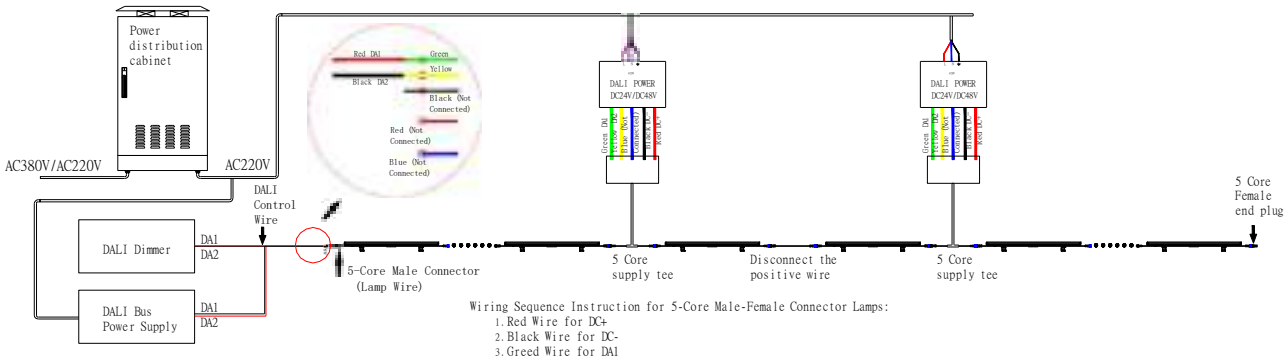
Wiring Sequence Instruction for 4-Core Male-Female Connector Lamps:

1. Brown Wire for Signal A
2. Yellow-Green Wire for Signal B
3. Black Wire for DC-/GND
4. Blue Wire PI (The first lamp with male connector connected to the controller port does not connect this wire)

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.

Wiring Diagram

Wiring Diagram of Low-Voltage DALI

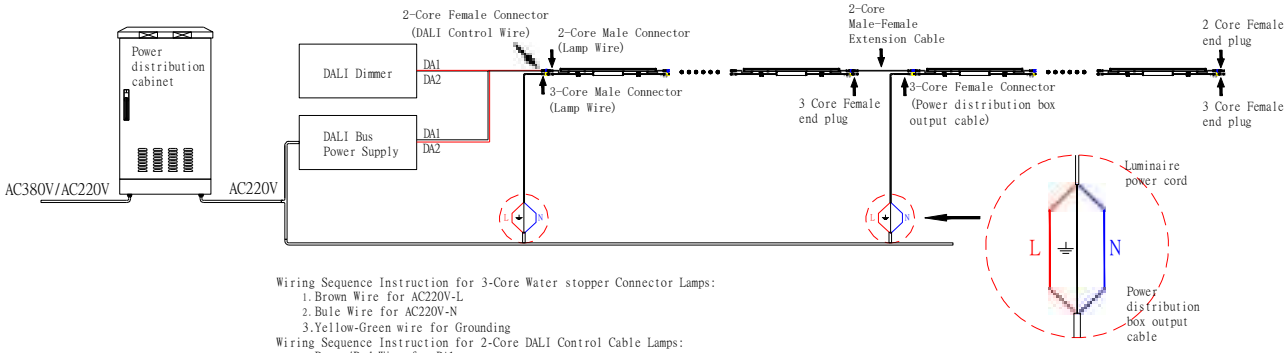


Wiring Sequence Instruction for 5-Core Male-Female Connector Lamps:

1. Red Wire for DC+
2. Black Wire for DC-
3. Greed Wire for DA1
4. Yellow Wire for DA2
5. Blue Wire (Not Connected)

The maximum permissible load length for DALI cables is 300 meters, based on the use of 1.5 mm² cables, with a minimum terminal voltage of no less than DC14V.
Maximum device address: 64.

Wiring Diagram of High-Voltage DALI



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

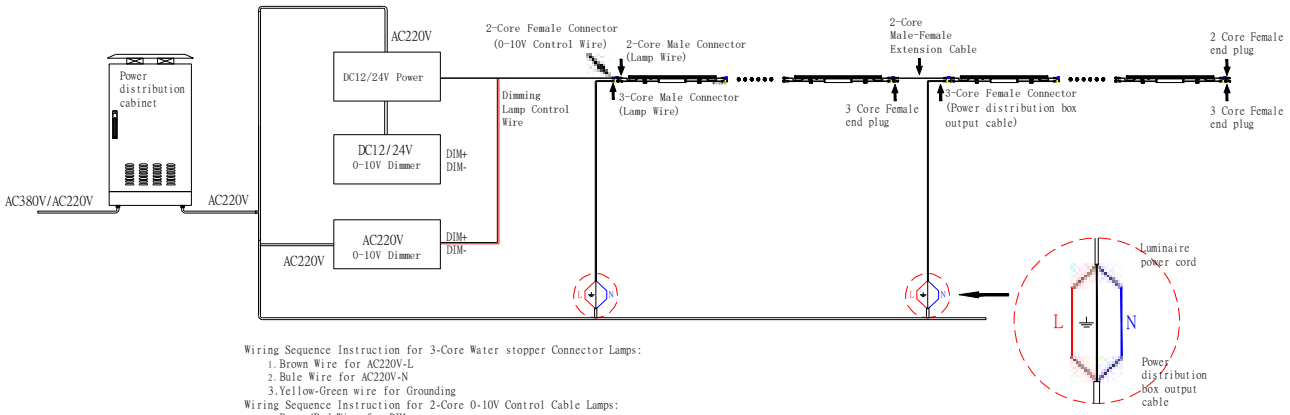
Wiring Sequence Instruction for 2-Core DALI Control Cable Lamps:

1. Brown/Red Wire for DA1
2. Bule/Black Wire for DA2

The maximum permissible load length for DALI cables is 300 meters, based on the use of 1.5 mm² cables, with a minimum terminal voltage of no less than DC14V.
Maximum device address: 64.

Wiring Diagram

Wiring Diagram of High-Voltage 0-10V



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

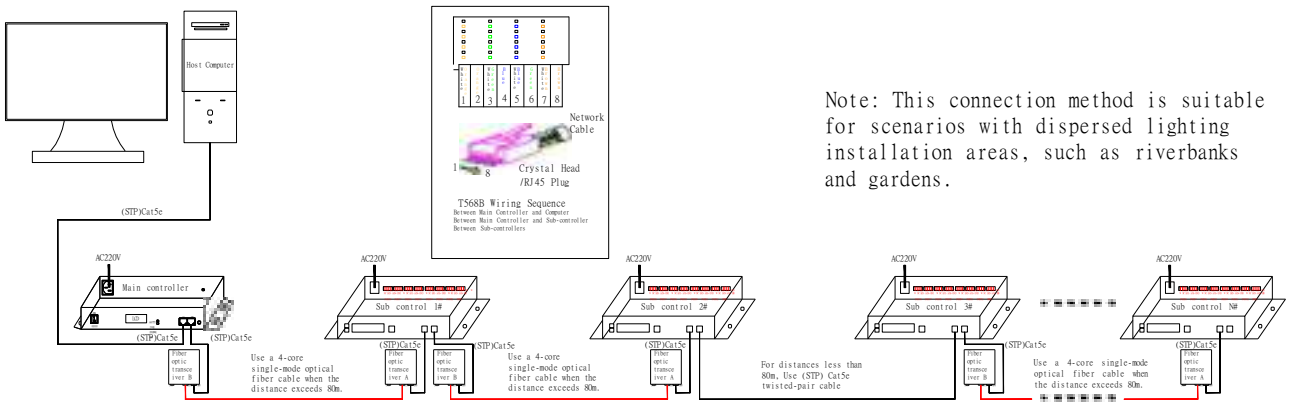
Wiring Sequence Instruction for 2-Core 0-10V Control Cable Lamps:

1. Brown/Red Wire for DIM+
2. Bule/Black Wire for DIM-

The maximum permissible load length for 0-10V cables is 150 meters, based on the use of 1mm² cables,Twisted-pair shielded cable must be used.
Select high-pressure or low-pressure dimmers based on the project's actual requirements.

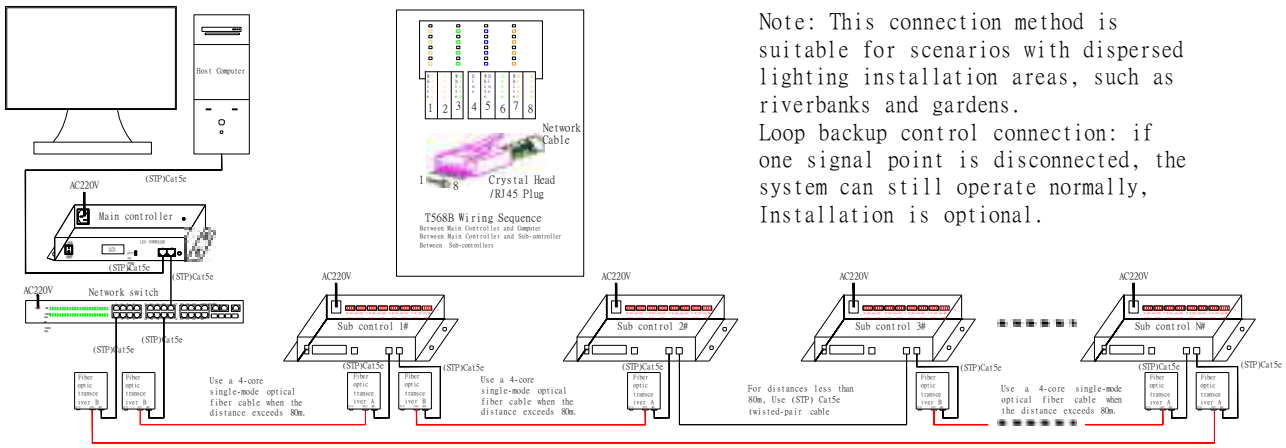
Control System Diagram

Control System Diagram (Standard)



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

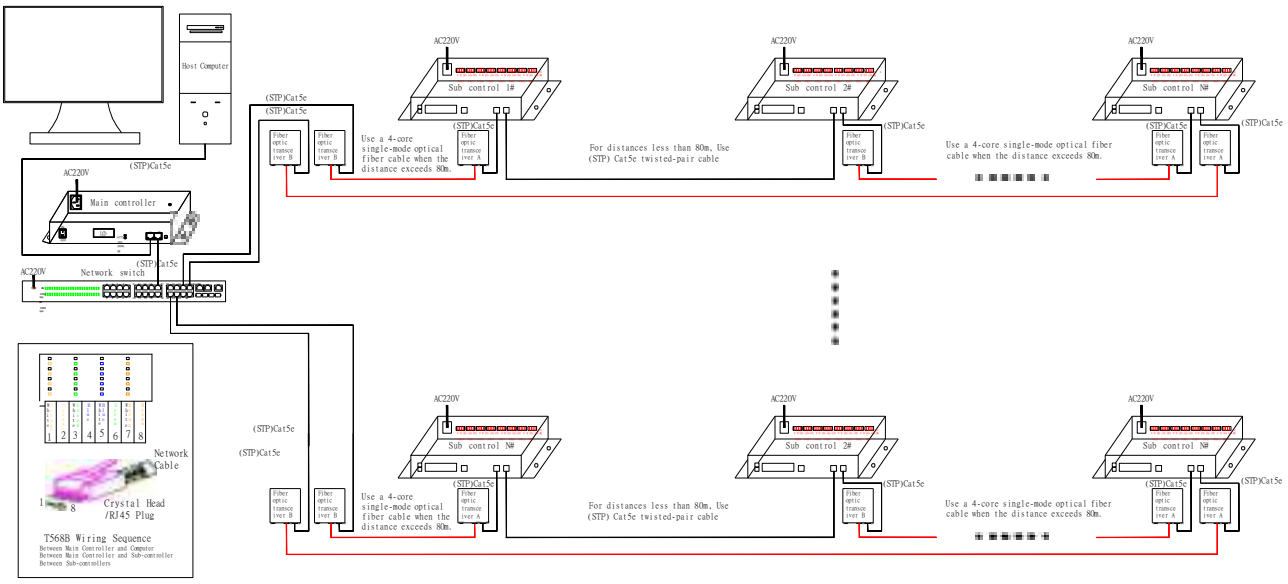
Control System Diagram (Loop Backup)



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.

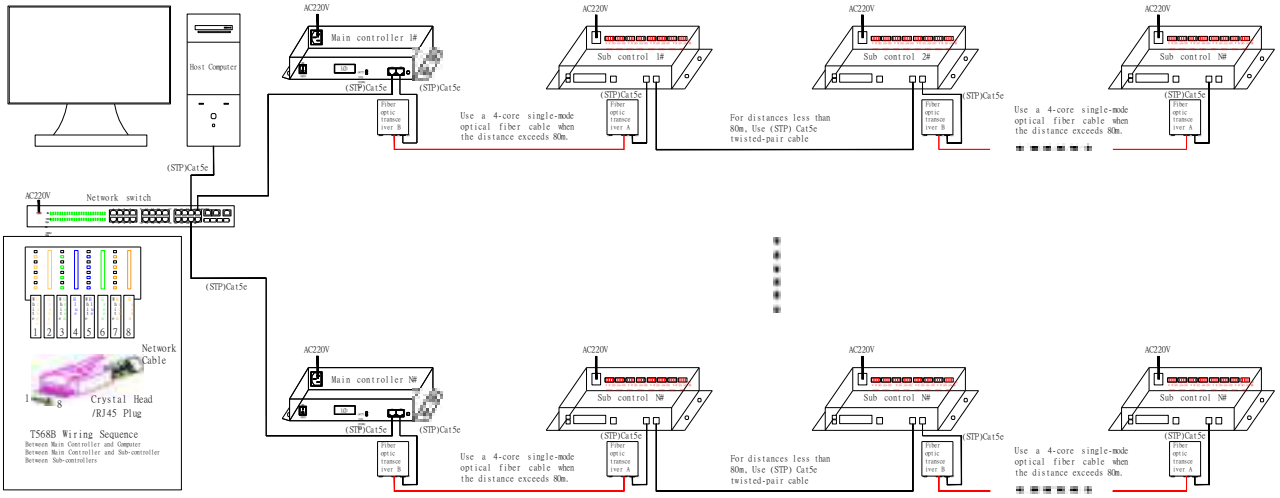
Control System Diagram

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:
1. Each main controller can carry a maximum of 50 sub-controllers. If exceeding 50, an additional main controller is required;
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