LED Linear Wall Washer(DC Input)
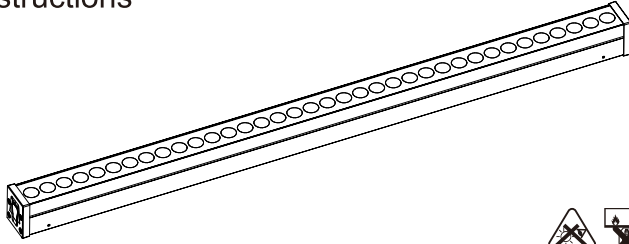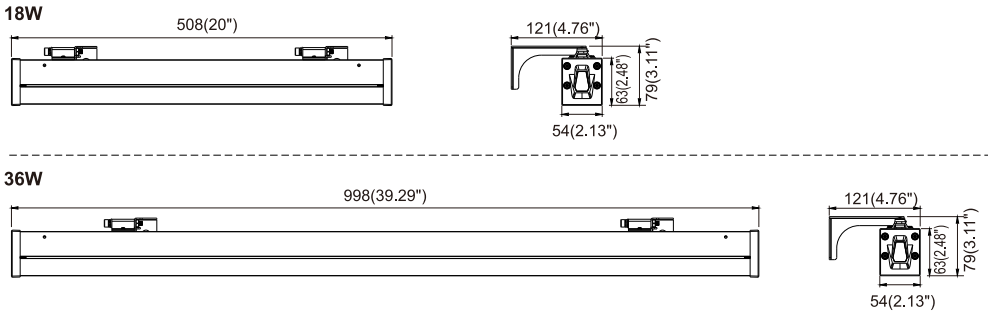
Installation Instructions

Physical Dimensions (Unit: mm/inch)

18W

508(20")

121(4.76")

63(2.48")
79(3.11")

54(2.13")

36W

998(39.29")

121(4.76")

63(2.48")
79(3.11")

54(2.13")

Product Specifications	18W	36W
Input Voltage	DC 24V	
Outlook Dimensions	508x121x79mm(20"x4.76"x3.11")	998x121x79mm(39.29"x4.76"x3.11")
Luminaire Net Weight	1.7±0.3kg(3.75±0.66Lbs)	2.7±0.3kg(5.95±0.66Lbs)
Projected Area	0.027m²(0.293ft²)	0.054m²(0.578ft²)
Working Temperature	-30℃ to +50℃(-22°F to +122°F)	
Storing Temperature	-40℃ to +70℃(-40°F to +158°F)	

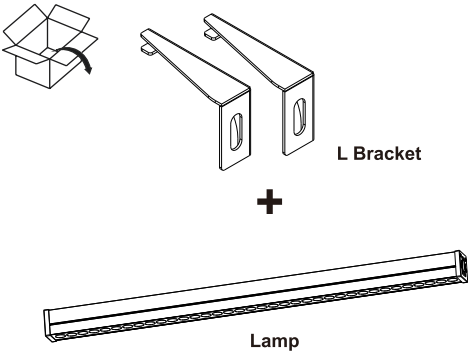## Suspension Mount (A)

1.
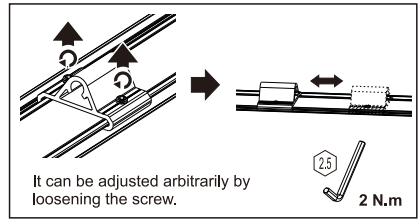
M5
2PCS

2 N.m

2PCS

2.

1.
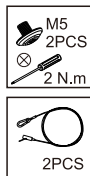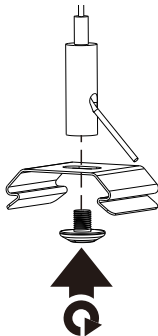
2.
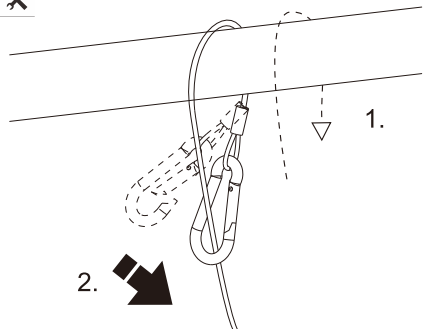
3. 🔧
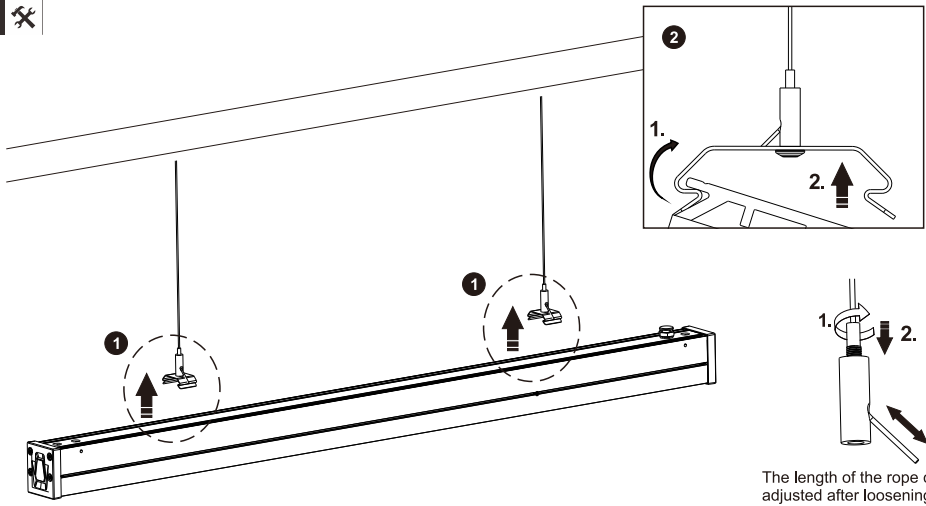
The length of the rope can be adjusted after loosening the screw.

Bracket Mount (L-shaped)

L Bracket

+

Lamp

Ø6.5
(Ø0.26")

L

57.5(2.26")

30(1.18")

19(0.75")

11(0.43")
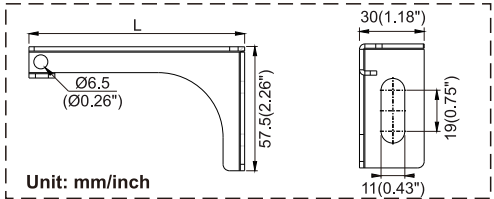
Unit: mm/inch

	A	B	C
L	100mm(3.94")	140mm(5.51")	180mm(7.09")

1. 🔧

M6
2PCS

5
2.5 N.m

It can be adjusted arbitrarily by loosening the screw.

2.5
2 N.m

2. 🛠

A/B
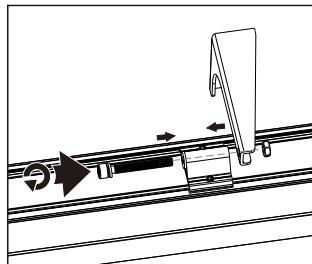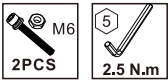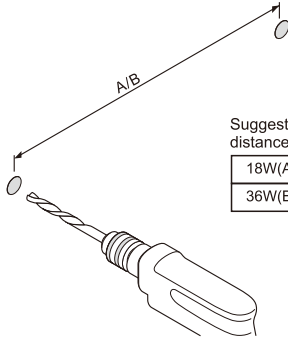
Suggested installation distance:

18W(A)	200~300mm
36W(B)	350~800mm

3. 🛠

M10 2PCS

4. 🛠

M10 2PCS

16 **17 N.m**

180°

Bracket Mount (U-shaped)

U Bracket

+

Lamp

Unit: mm/inch

Ø6.5 (Ø0.26")

A/B/C

34(1.34")
12(0.47")
4-R3.5
60(2.36")
35(1.38")
7(0.27")
7(0.27")
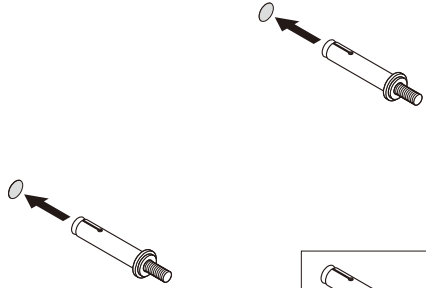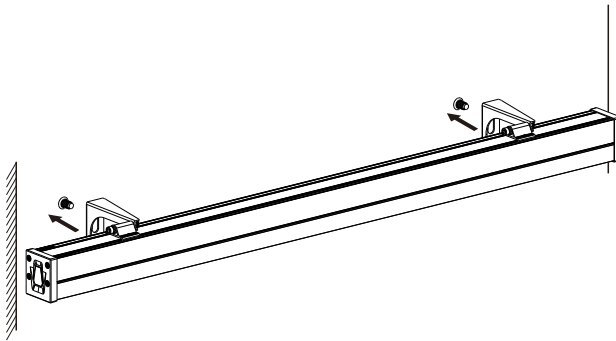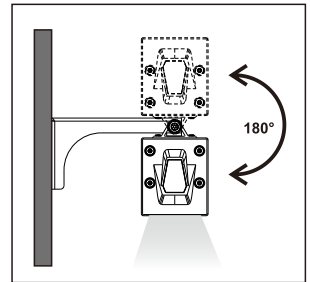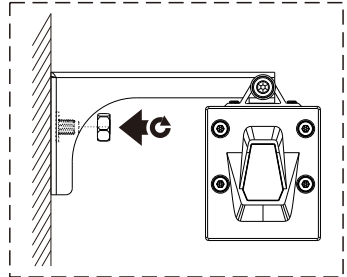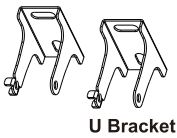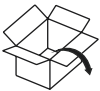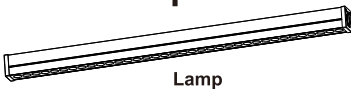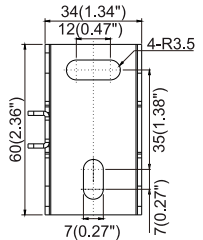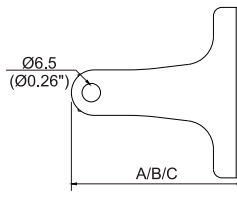
A	60mm(2.36")
B	120mm(4.72")
C	180mm(7.09")

1.

M6
2PCS

2.5 N.m

1.
2.

It can be adjusted arbitrarily by loosening the screw.

2 N.m

2.

A/B

35~
42MM

Suggested installation distance:

18W(A)	200~300mm
36W(B)	350~800mm

M6
4PCS

3.

①

M6
4PCS

2.5 N.m

②
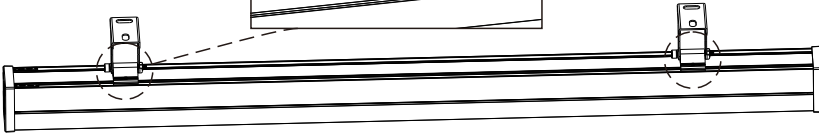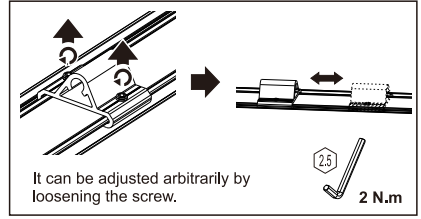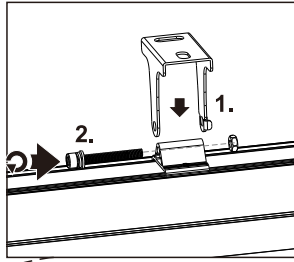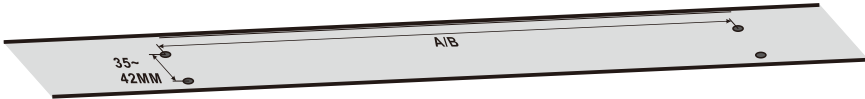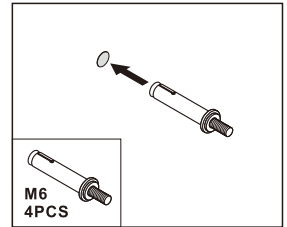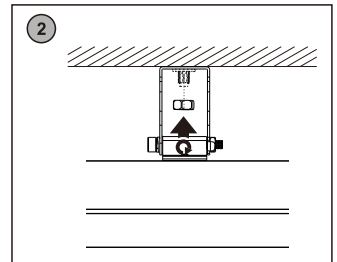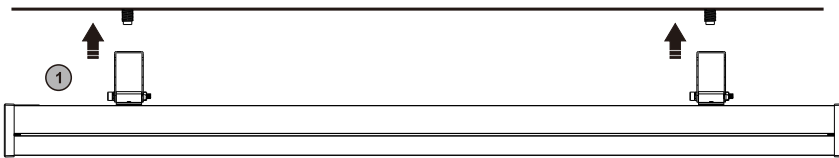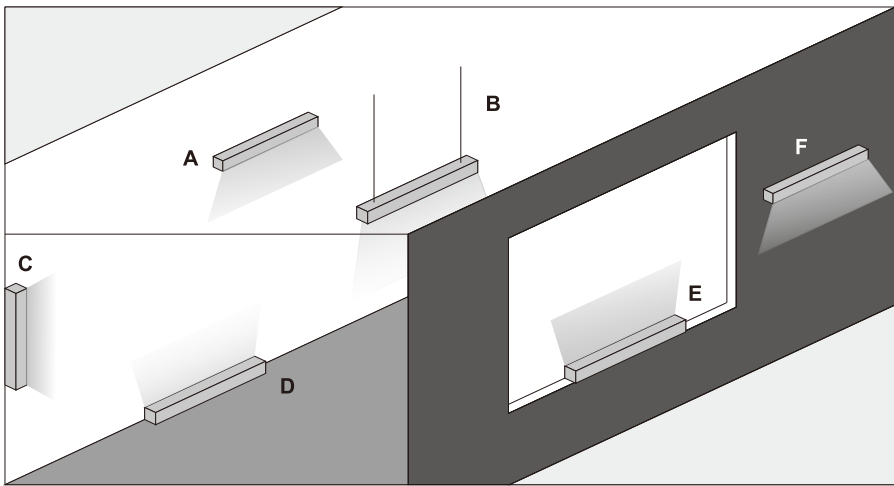
A: Ceiling Installation C: Corner Installation E: Windowsill Installation
B: Hanging Rope Installation D: Floor Installation F: Wall Installation

Suspension Mount (B)

1.

3 1.2 N.m

M4
8PCS

2.
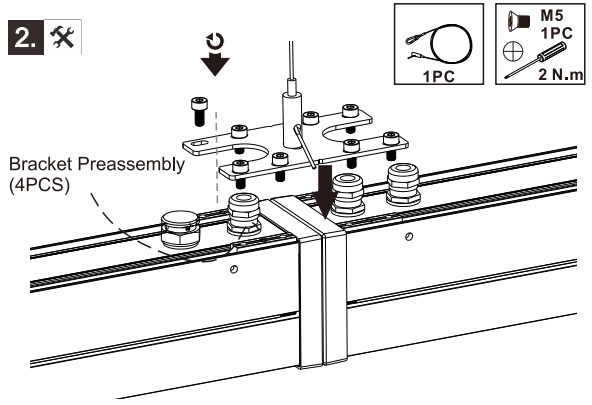
Bracket Preassembly
(4PCS)

M5
1PC

1PC

2 N.m

3.

Suspension kit (A) Suspension kit (B) Suspension kit (A)
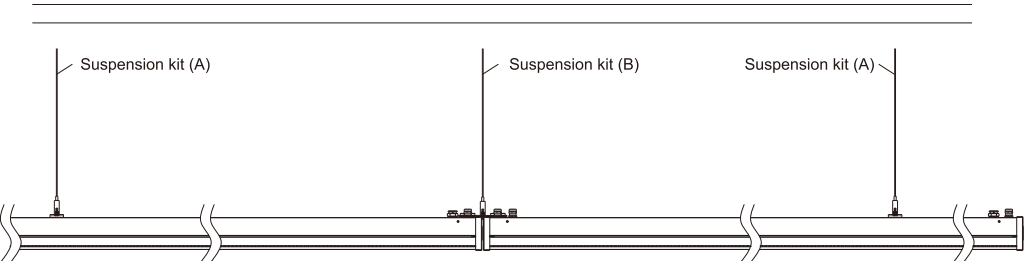
Light Shield Installation (Optional)

Light Shield

0.5 N.m

M3
18W: 3PCS
36W: 5PCS

Wiring

DC 24V /
DMX 512
Output

DC 24V /
DMX 512
Input

Segment 1   Segment 2   Segment 3

18W/0.6m

Segment 1   Segment 2   Segment 3   Segment 4   Segment 5   Segment 6

36W/1.2m
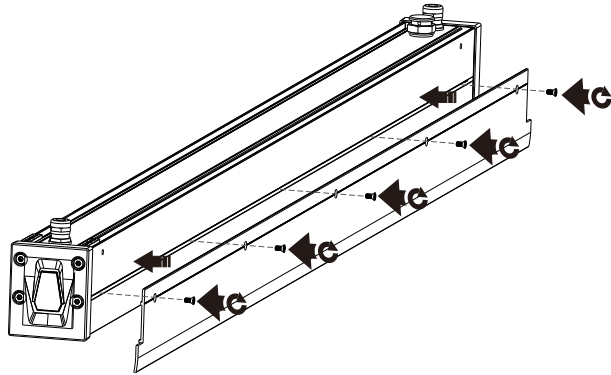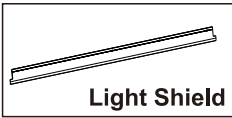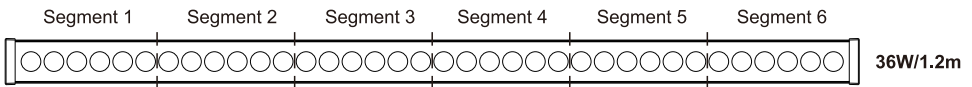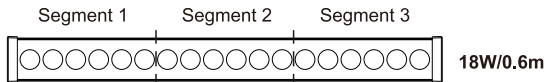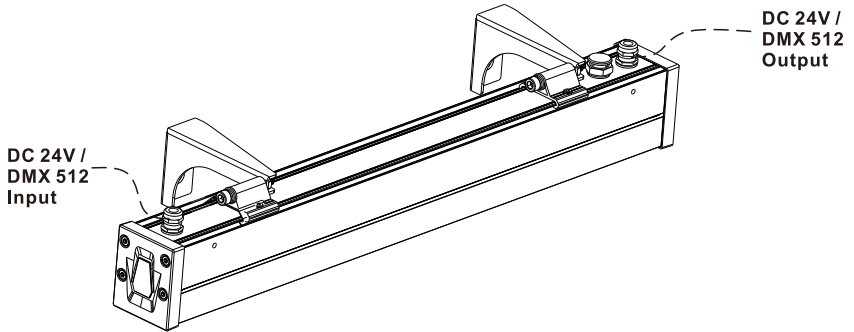
DMX512 Control
Factory default mode for DMX control: When turn on the luminaire, all colors light up together without flashing if no input signal is detected about 5 seconds later. Please refer to below list for default address quantity.
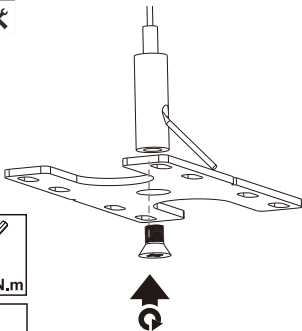
Luminaire Wattage (Length)	Segment QTY	Channel QTY	DMX Address QTY	Light Color
18W(0.6m)	3	3	3	Monocolor
	3	3	9	RGB
	3	4	12	RGBW
36W(1.2m)	6	6	6	Monocolor
	6	3	18	RGB
	6	4	24	RGBW
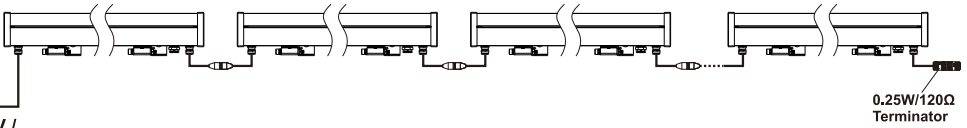
**DC 24V /
DMX 512**

**0.25W/120Ω
Terminator**

Spliceable Quantity:

Product Specifications	36W	18W
RGBW	5PCS	10PCS
RGB	5PCS	10PCS
Monocolour	5PCS	10PCS

* It is recommended to add 0.25W/120Ω DMX Termination Resistor at the end of each string of luminaires.

1.

2.

DMX+(brown)
DMX-(blue)
GND(white)
PO(orange)
DC+(red)
DC-(black)

3.

DMX+

DMX-

4.

Dustproof cap or DMX Termination Resistor can be selected for the terminal lamp.
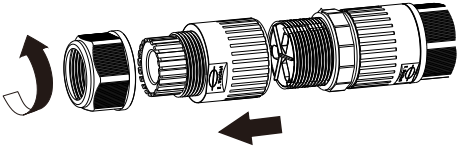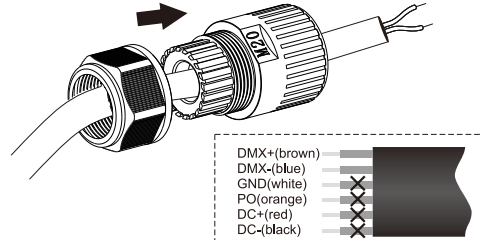
SS-960RDM(Optional)

The DMX controller needs to be purchased separately. We suggest buy our SS-960RDM controller if you need to change the DMX address settings.

L
N
⏚

L   brown
N   blue
⏚   yellow/green

AC Line

SS-960RDM
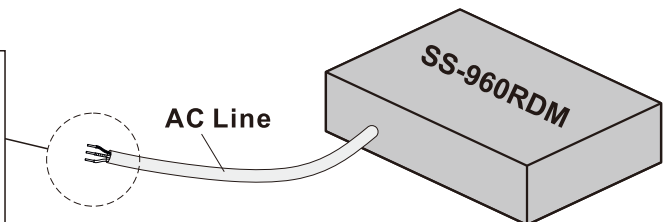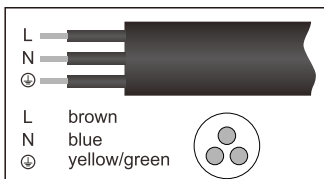
Signal Amplifier(Optional)

It is suggested to connect a signal amplifier every 100 meters or every 32 lights, which can improve the signal stability. If RDM controller is used instead of DMX512 controller, the signal amplifier must be compatible with RDM controller, better to purchase from us directly.

Signal line reversed connection will cause following defects:
1. The luminaire is not controlled.
2. The luminaire keeps flickering.
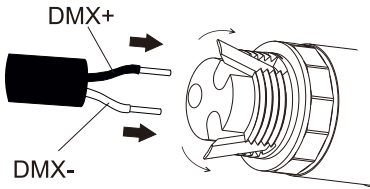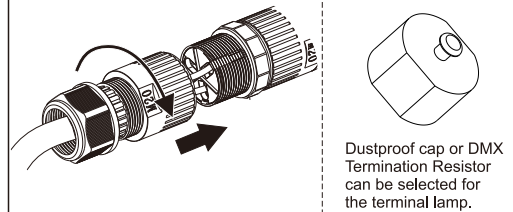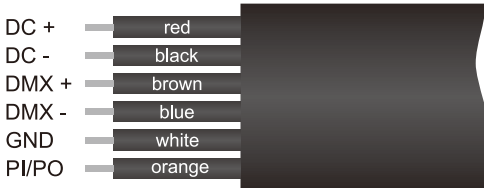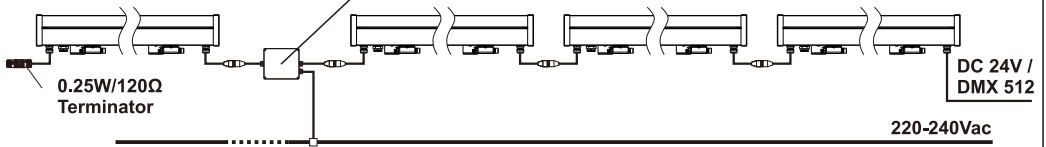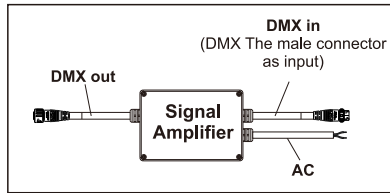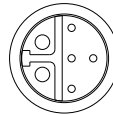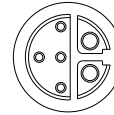

DMX in
(DMX The male connector as input)

DMX out

Signal Amplifier

AC

0.25W/120Ω Terminator

DC 24V / DMX 512

220-240Vac

DC +   red
DC -   black
DMX +   brown
DMX -   blue
GND   white
PI/PO   orange

DC/DMX in   **DC/DMX out**

Warning! Do not wire dim cord to high voltage,or dim function will fail.

Reminder
We appreciate your purchase!
Please read the entire instruction manual before installation and keep it for future reference.
1.Please do not modify or dismantle the luminaire or replace accessories without confirming with the supplier first.
2.Please authorize only qualified personnel to install the lamp and ensure they follow the instruction manual. Any improper installation might cause falling, electric shock, fire, or other injury, damage or hazard.
3.Please disconnect power before installation or any maintenance of the lamp. Do not touch the power supply when the lamp is operating.
4.If the luminaire begins to smoke or emit odors, please disconnect power since fire or electric shock may occur. And ask qualified person to inspect and maintain the luminaire.
5.If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
6.The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
7.We suggest you adding a separate surge protection device in distribution box to extend luminaire lifespan.

Applications
1.The product is designed for facades appearance, square, plaza, business street, park, advertising board, bridge and similar applications. For other special applications, please consult your salesperson to confirm firstly.
2.Too much dust or oil accumulation on PC lens will stop the lighting emit and heat dissipation, it will change lighting distribution, and cause high heat inside to affect LED chips performance. For such environments, we suggest you to clean the luminaire regularly to ensure longer lifespan. Or you need to use product with glass cover and better heat performance instead.