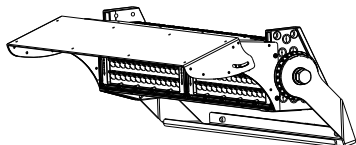
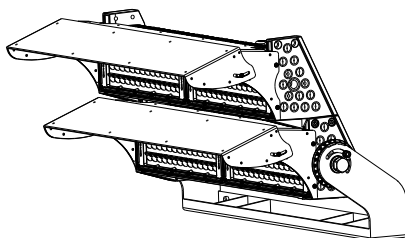


# LED Sports Light

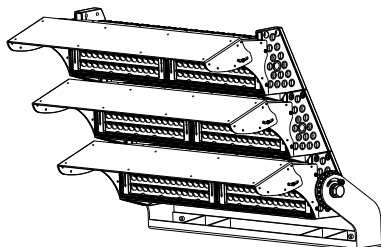
## Installation Instructions



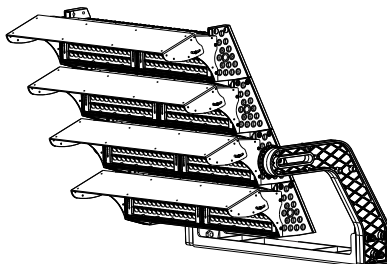
400W



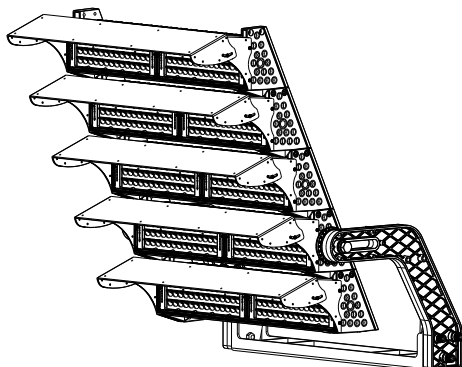
800W



1200W



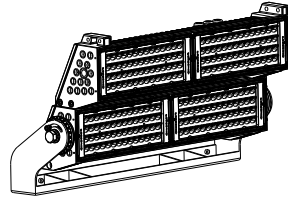
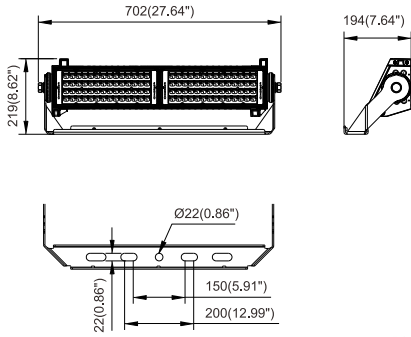
1600W



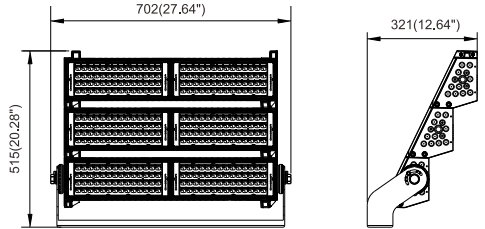
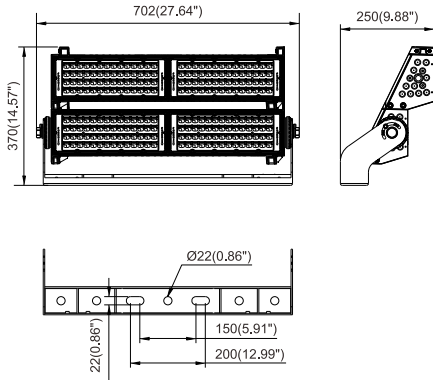
1800W



**Physical Dimensions(Unit: mm/inch)**

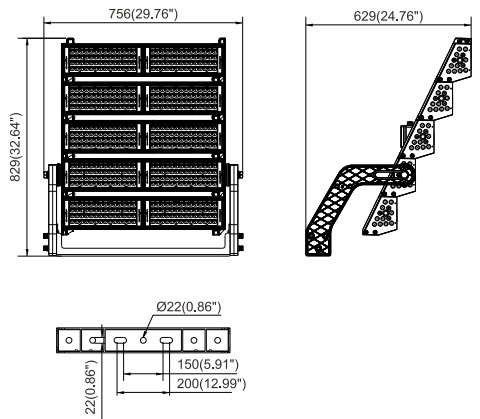
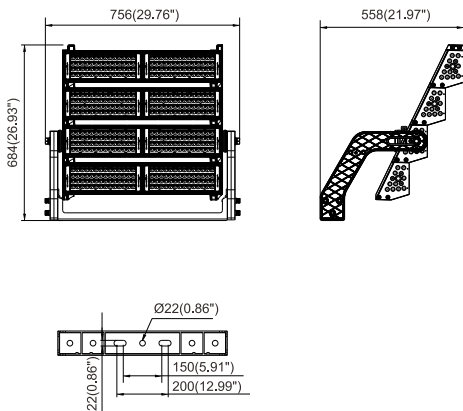


**400W**



**800W**

**1200W**

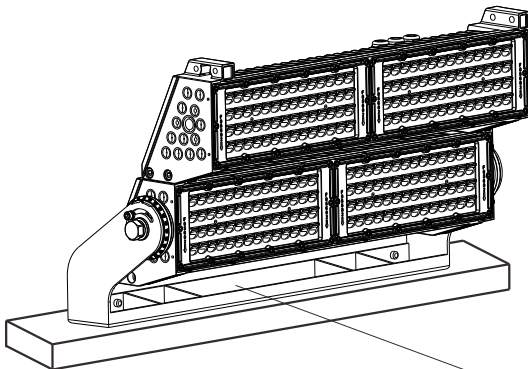


**1600W**

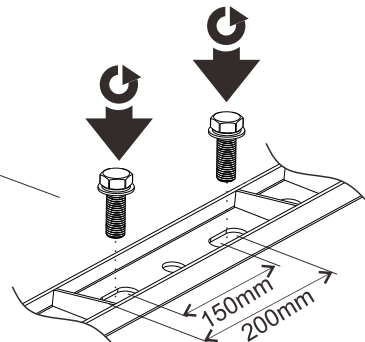
**1800W**

EPA (Unit: mm/ inch)							
	S/a	a=30°	a=45°	a=60°	a=75°	a=90°	
<b>400W</b>	S1	0.07m <sup>2</sup> /0.73ft <sup>2</sup>	0.08m <sup>2</sup> /0.89ft <sup>2</sup>	0.09m <sup>2</sup> /1.01ft <sup>2</sup>	0.10m <sup>2</sup> /1.06ft <sup>2</sup>	0.10m <sup>2</sup> /1.07ft <sup>2</sup>	<25kg
	S2	0.10m <sup>2</sup> /1.06ft <sup>2</sup>	0.09m <sup>2</sup> /0.97ft <sup>2</sup>	0.08m <sup>2</sup> /0.82ft <sup>2</sup>	0.06m <sup>2</sup> /0.63ft <sup>2</sup>	0.04m <sup>2</sup> /0.41ft <sup>2</sup>	
	S3	0.03m <sup>2</sup> /0.27ft <sup>2</sup>	0.02m <sup>2</sup> /0.27ft <sup>2</sup>	0.02m <sup>2</sup> /0.26ft <sup>2</sup>	0.02m <sup>2</sup> /0.25ft <sup>2</sup>	0.02m <sup>2</sup> /0.25ft <sup>2</sup>	
<b>800W</b>	S1	0.08m <sup>2</sup> /0.89ft <sup>2</sup>	0.13m <sup>2</sup> /1.36ft <sup>2</sup>	0.16m <sup>2</sup> /1.74ft <sup>2</sup>	0.19m <sup>2</sup> /2.05ft <sup>2</sup>	0.19m <sup>2</sup> /2.09ft <sup>2</sup>	<50kg
	S2	0.19m <sup>2</sup> /2.04ft <sup>2</sup>	0.17m <sup>2</sup> /1.84ft <sup>2</sup>	0.14m <sup>2</sup> /1.54ft <sup>2</sup>	0.11m <sup>2</sup> /1.15ft <sup>2</sup>	0.06m <sup>2</sup> /0.69ft <sup>2</sup>	
	S3	0.05m <sup>2</sup> /0.50ft <sup>2</sup>	0.05m <sup>2</sup> /0.50ft <sup>2</sup>	0.05m <sup>2</sup> /0.49ft <sup>2</sup>	0.02m <sup>2</sup> /0.25ft <sup>2</sup>	0.05m <sup>2</sup> /0.49ft <sup>2</sup>	
<b>1200W</b>	S1	0.09m <sup>2</sup> /0.98ft <sup>2</sup>	0.16m <sup>2</sup> /1.75ft <sup>2</sup>	0.23m <sup>2</sup> /2.47ft <sup>2</sup>	0.28m <sup>2</sup> /3.03ft <sup>2</sup>	0.29m <sup>2</sup> /3.10ft <sup>2</sup>	<75kg
	S2	0.28m <sup>2</sup> /3.04ft <sup>2</sup>	0.25m <sup>2</sup> /2.73ft <sup>2</sup>	0.21m <sup>2</sup> /2.28ft <sup>2</sup>	0.16m <sup>2</sup> /1.68ft <sup>2</sup>	0.09m <sup>2</sup> /1.00ft <sup>2</sup>	
	S3	0.06m <sup>2</sup> /0.69ft <sup>2</sup>	0.06m <sup>2</sup> /0.69ft <sup>2</sup>	0.06m <sup>2</sup> /0.68ft <sup>2</sup>	0.06m <sup>2</sup> /0.67ft <sup>2</sup>	0.06m <sup>2</sup> /0.68ft <sup>2</sup>	
<b>1600W</b>	S1	0.09m <sup>2</sup> /1.02ft <sup>2</sup>	0.20m <sup>2</sup> /2.17ft <sup>2</sup>	0.30m <sup>2</sup> /3.20ft <sup>2</sup>	0.37m <sup>2</sup> /4.02ft <sup>2</sup>	0.38m <sup>2</sup> /4.12ft <sup>2</sup>	<100kg
	S2	0.37m <sup>2</sup> /4.02ft <sup>2</sup>	0.33m <sup>2</sup> /3.59ft <sup>2</sup>	0.28m <sup>2</sup> /3.01ft <sup>2</sup>	0.20m <sup>2</sup> /2.21ft <sup>2</sup>	0.12m <sup>2</sup> /1.32ft <sup>2</sup>	
	S3	0.10m <sup>2</sup> /1.10ft <sup>2</sup>	0.11m <sup>2</sup> /1.15ft <sup>2</sup>	0.12m <sup>2</sup> /1.24ft <sup>2</sup>	0.12m <sup>2</sup> /1.28ft <sup>2</sup>	0.12m <sup>2</sup> /1.28ft <sup>2</sup>	
<b>1800W</b>	S1	0.10m <sup>2</sup> /1.11ft <sup>2</sup>	0.24m <sup>2</sup> /2.60ft <sup>2</sup>	0.37m <sup>2</sup> /3.93ft <sup>2</sup>	0.46m <sup>2</sup> /5.00ft <sup>2</sup>	0.48m <sup>2</sup> /5.17ft <sup>2</sup>	<120kg
	S2	0.47m <sup>2</sup> /5.01ft <sup>2</sup>	0.42m <sup>2</sup> /4.49ft <sup>2</sup>	0.35m <sup>2</sup> /3.74ft <sup>2</sup>	0.25m <sup>2</sup> /2.72ft <sup>2</sup>	0.15m <sup>2</sup> /1.60ft <sup>2</sup>	
	S3	0.12m <sup>2</sup> /1.28ft <sup>2</sup>	0.12m <sup>2</sup> /1.33ft <sup>2</sup>	0.13m <sup>2</sup> /1.43ft <sup>2</sup>	0.14m <sup>2</sup> /1.48ft <sup>2</sup>	0.14m <sup>2</sup> /1.47ft <sup>2</sup>	

## Complete Fixture Mount

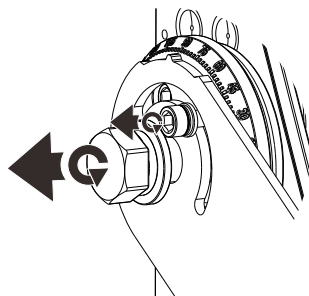
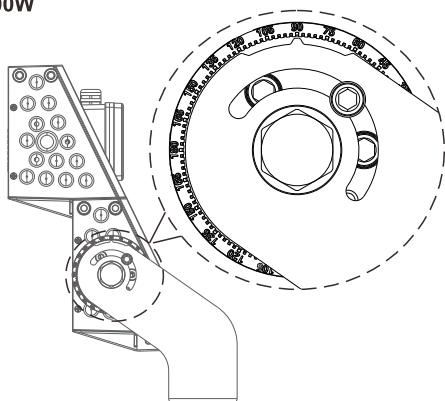
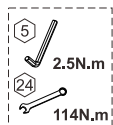


Recommended  
screw size: M20

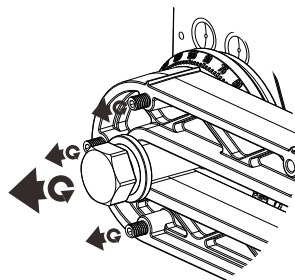
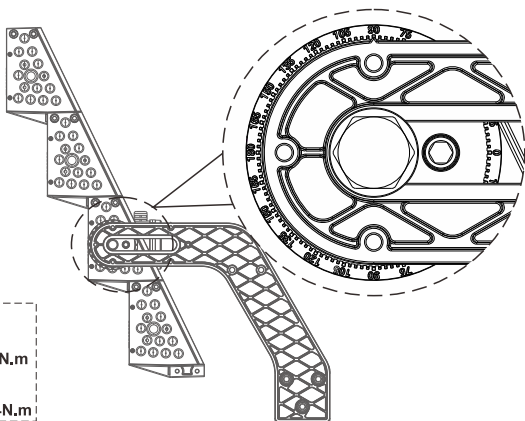


## Rotatable Angle

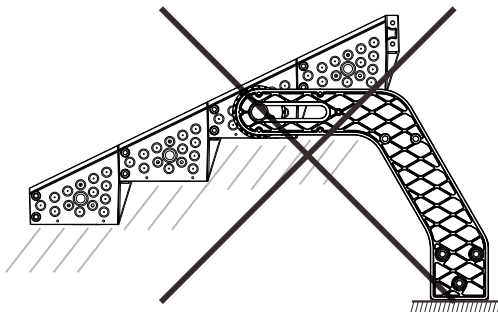
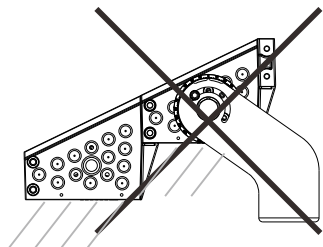
400W/800W/1200W



1600W/1800W



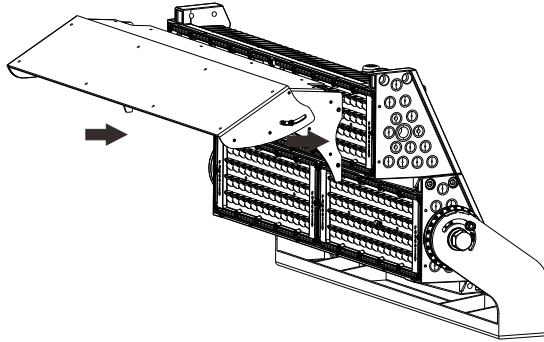
## Positions Not Allowed



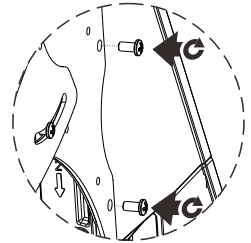
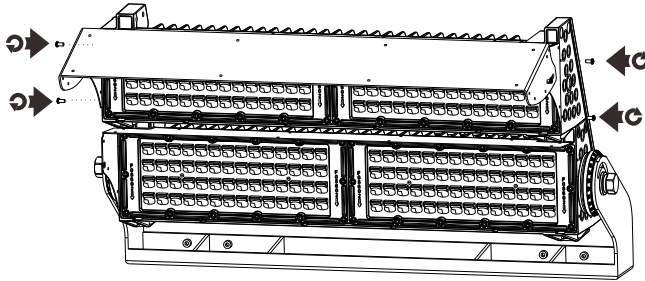
# Visor Mount

\*Visor need to be purchased separately

1. ✂

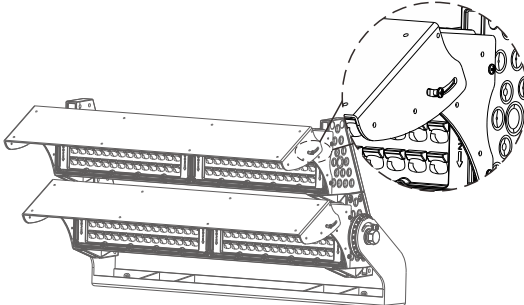


2. ✂

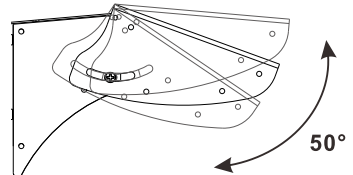
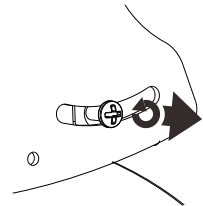


M4  
4PCS  
1.2N.m

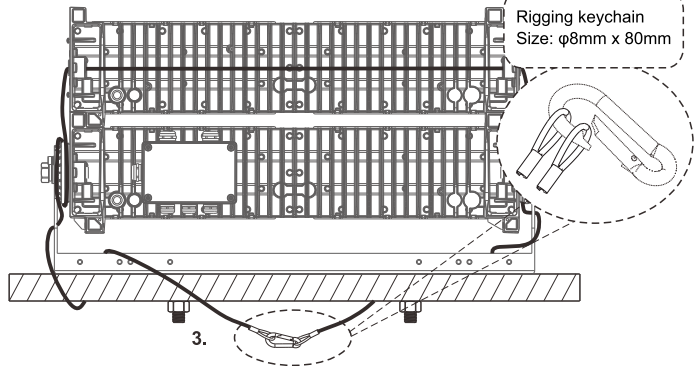
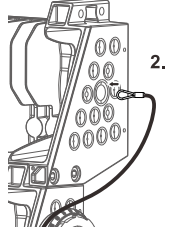
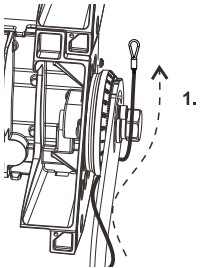
3. ✂



1.2N.m



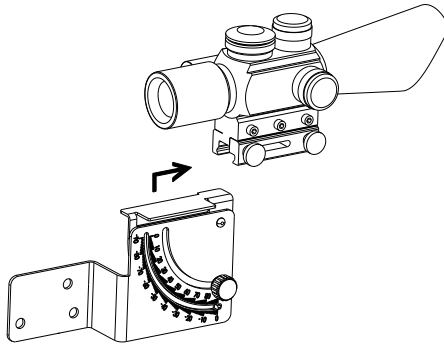
## Safety Rope Mount



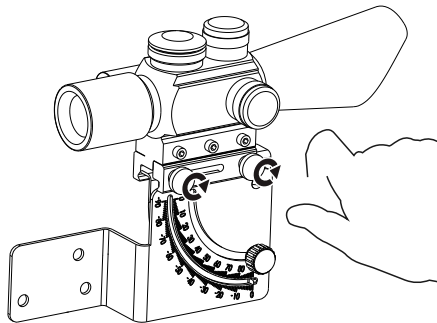
## Aiming Device Mount

\*Laser sight and bracket need to be purchased separately

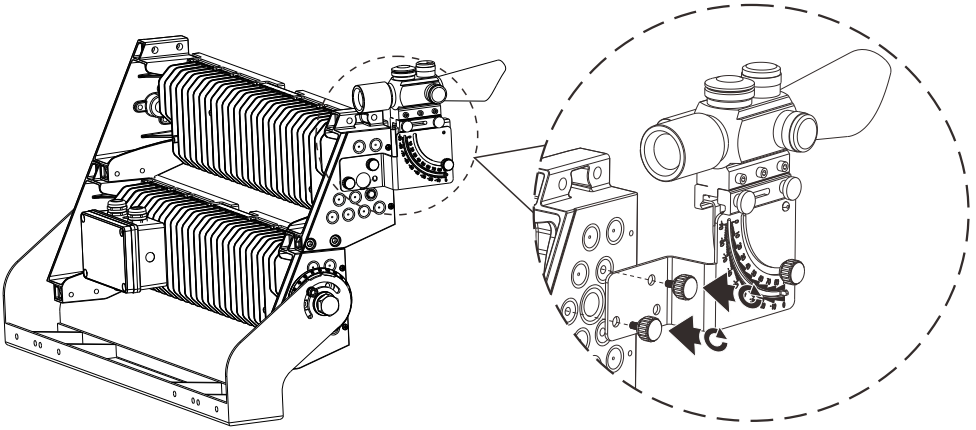
1. ✖

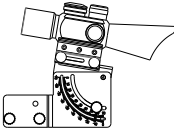
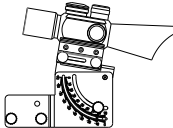
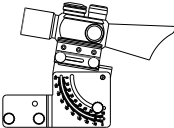
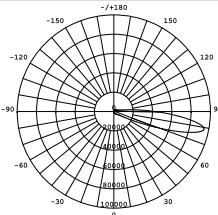
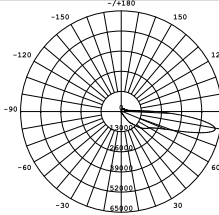
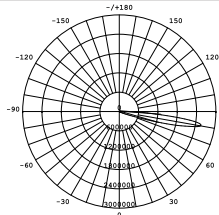
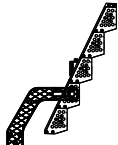
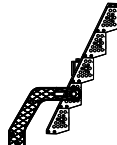
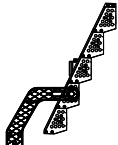


2. ✖



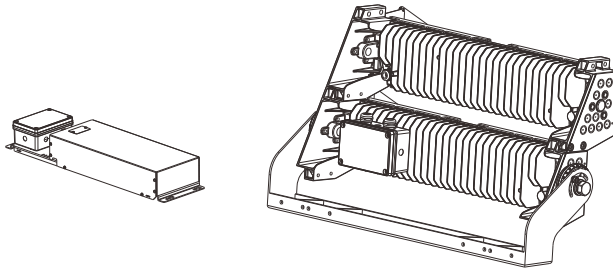
3. ✖



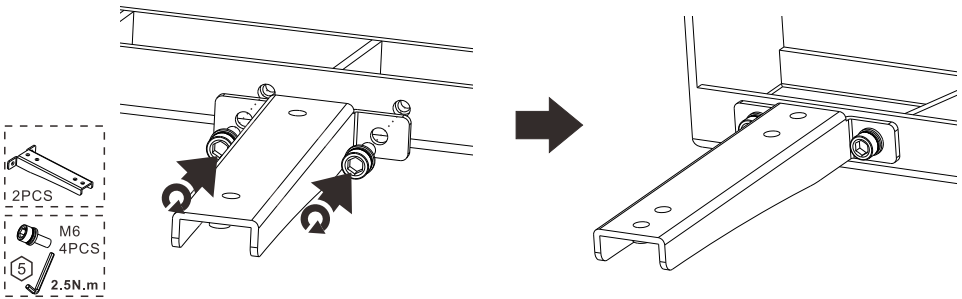
Lens Type	F05602X	F05603X	F05610X
Mounting Angle (Aiming Devise Bracket)	-11°	-10.5°	-9.5°
Photometric Data (For Mounting Angle)			
Photometric Data (For Lens)			
Luminaire mounting type			

# Driver Box Mount

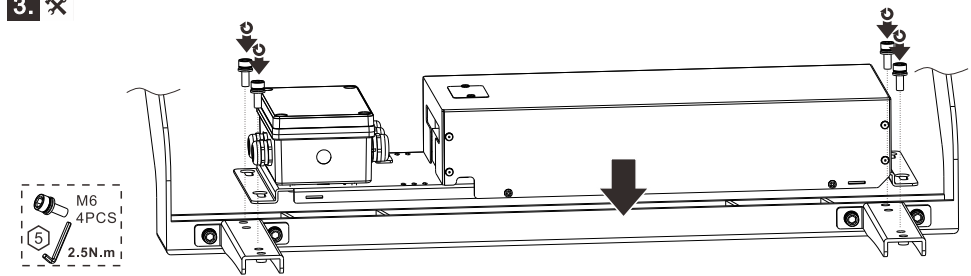
1. ✂



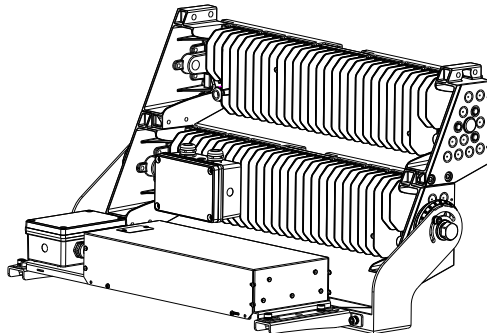
2. ✂



3. ✂



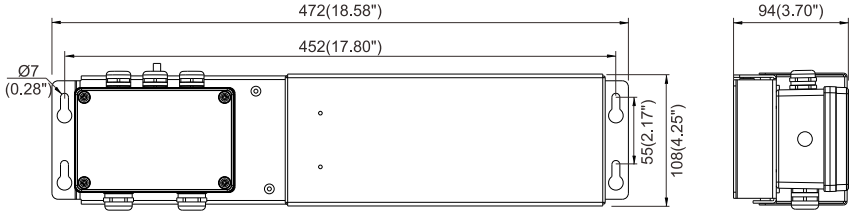
4. ✂



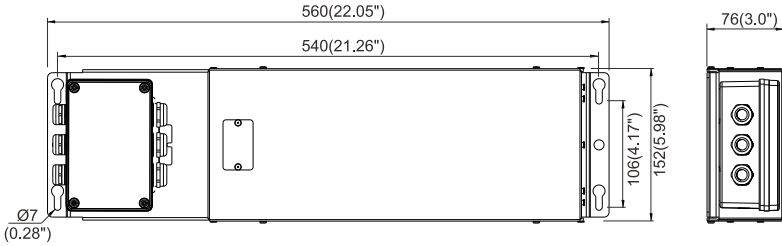


# Junction Box Wiring

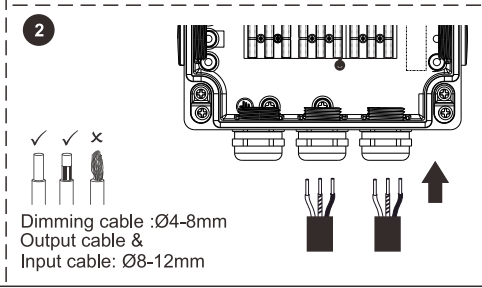
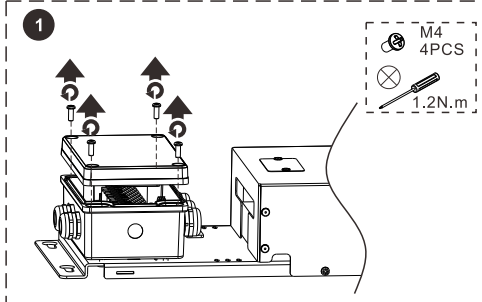
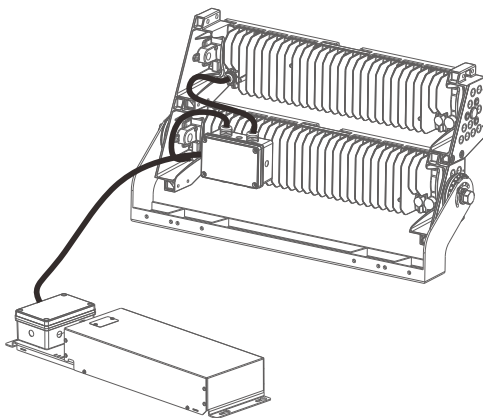
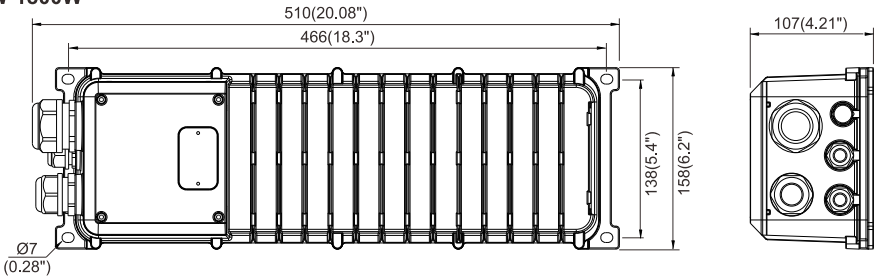
## 400W



## 800W-1200W

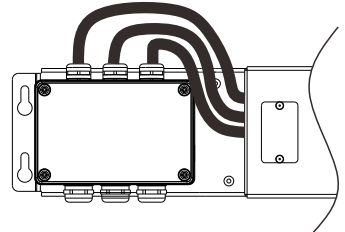
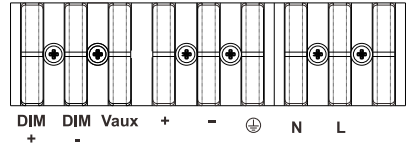
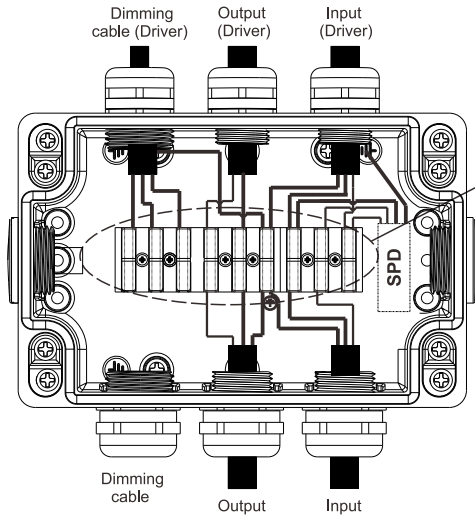


## 1600W-1800W

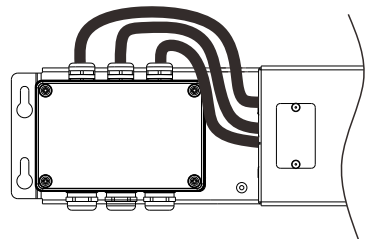
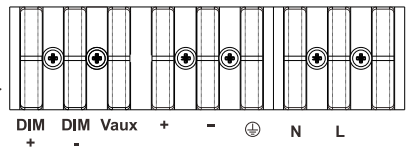
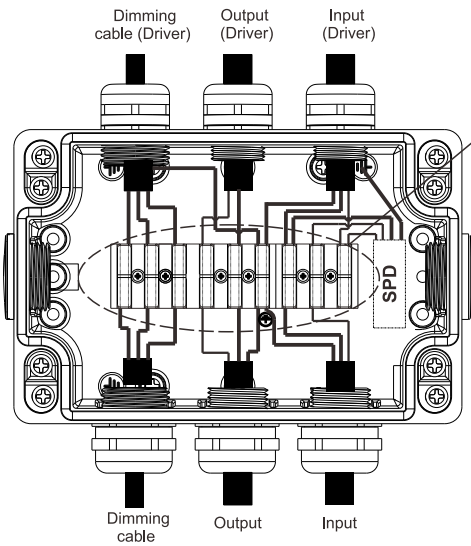


# 400W

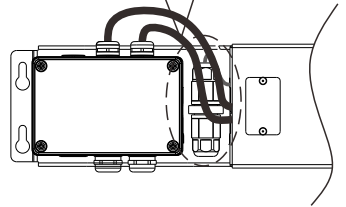
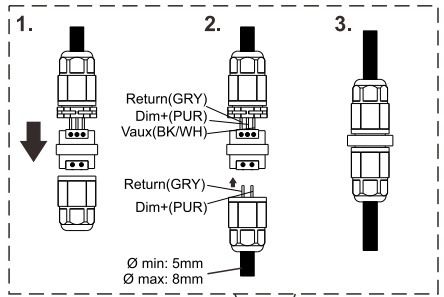
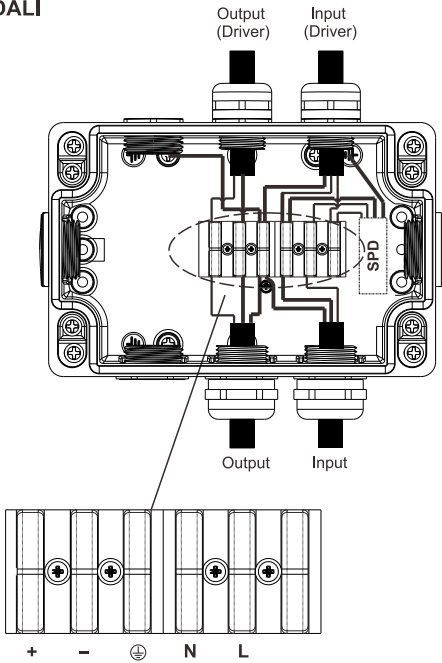
## Non-dimmable



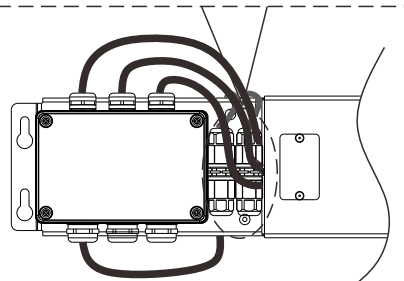
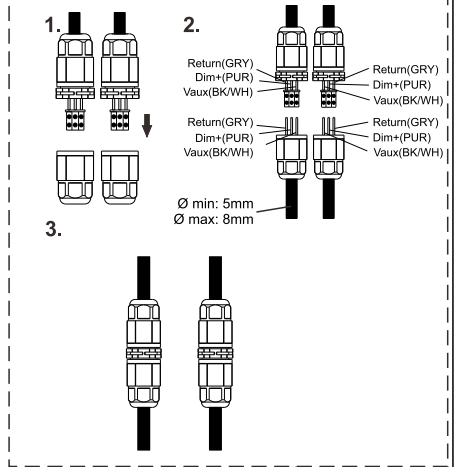
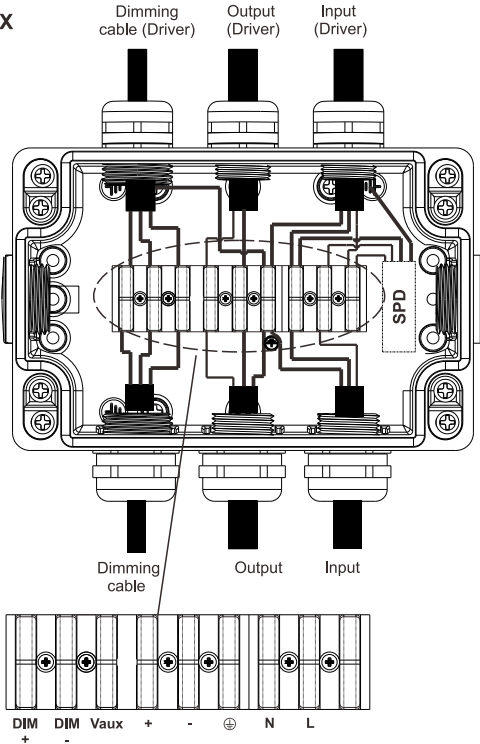
## 0-10V Dimmable



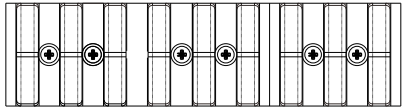
# DALI



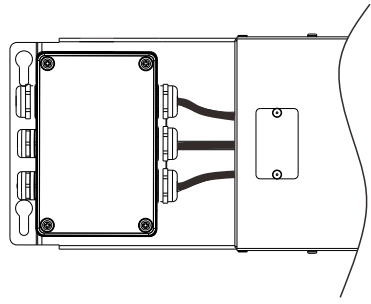
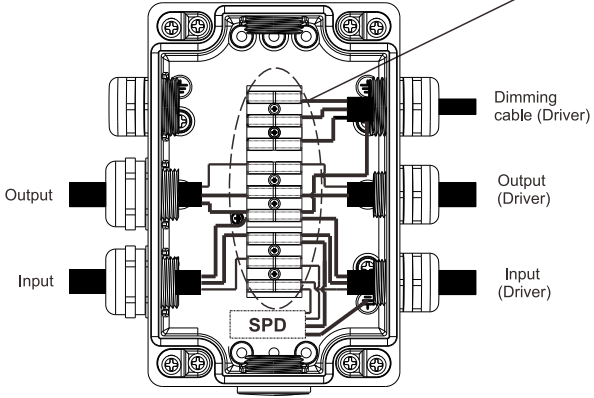
# DMX



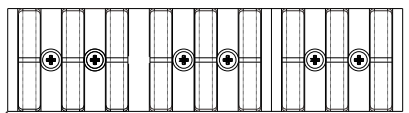
**800W/1200W  
Non-dimmable**



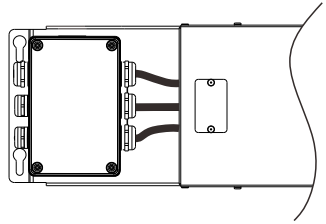
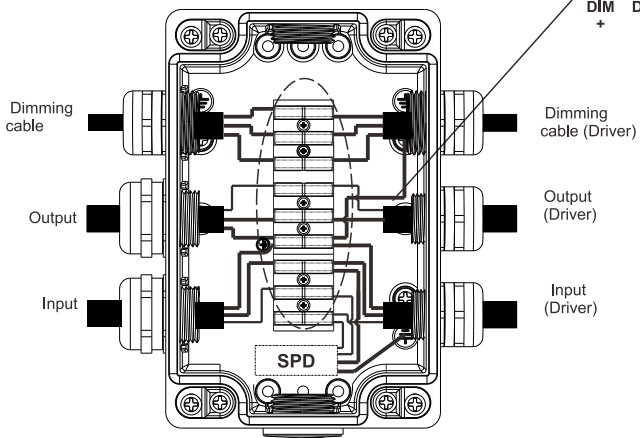
DIM + DIM - Vaux + Vaux - ⊕ N L



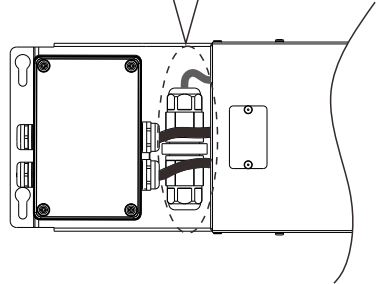
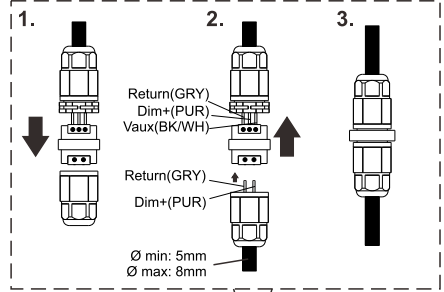
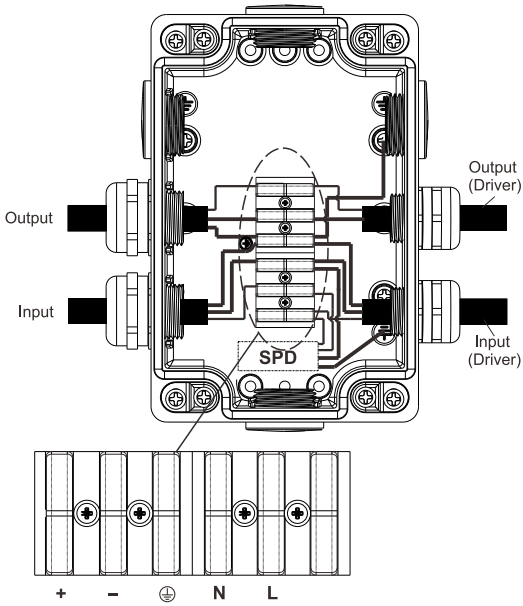
**0-10V Dimmable**



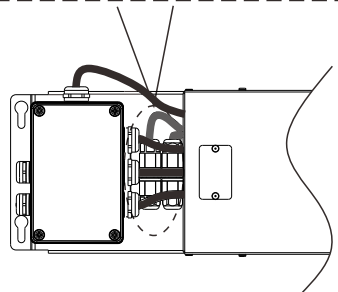
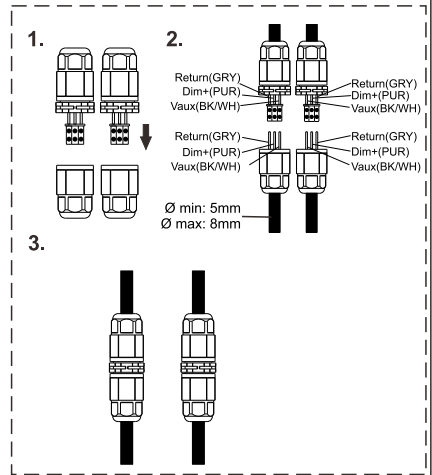
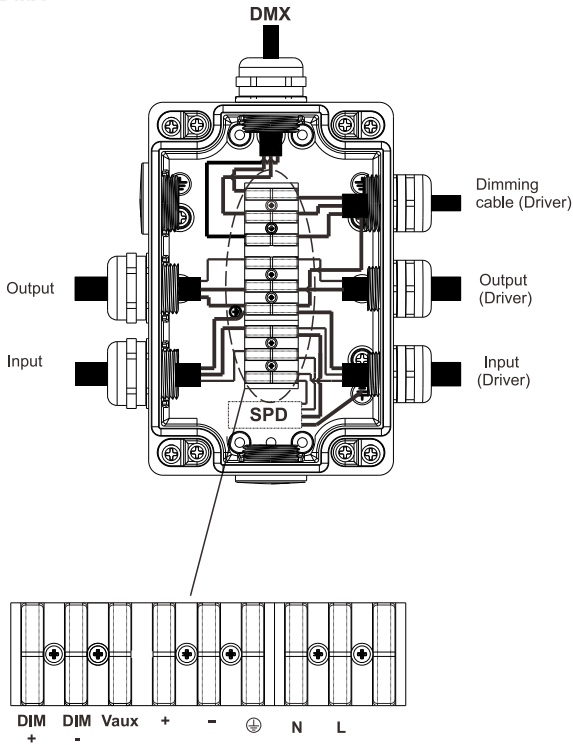
DIM + DIM - Vaux + Vaux - ⊕ N L



## DALI



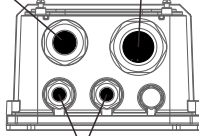
## DMX



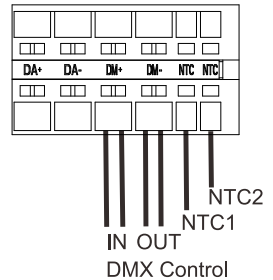
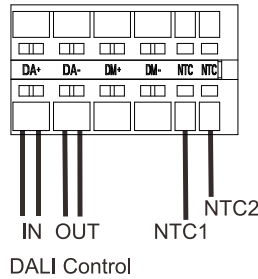
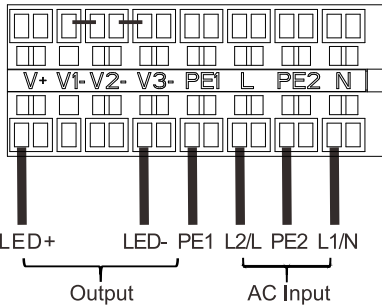
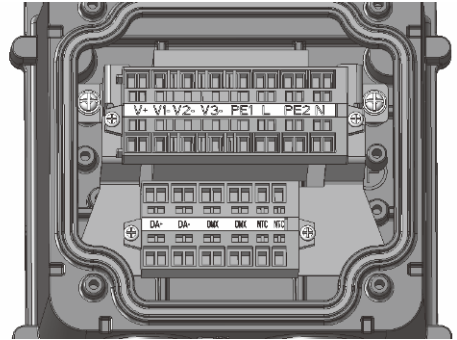
# 1600W/1800W

Output Section  
 M32 Cable gland  
 Clamping range: 10-13mm  
 or 8-10mm(3X)  
 Tightening force: 8NM

Input Section  
 M25 Cable gland  
 Clamping range: 13-18mm  
 Tightening force: 7.5NM

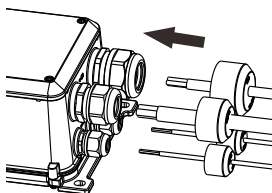


Control Section  
 M16 Cable gland(2X)  
 Clamping range: 6-10mm  
 Tightening force: 2.5NM

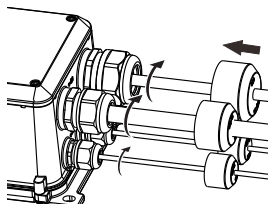


## Add rubber caps to improve the waterproof reliability of the cable glands

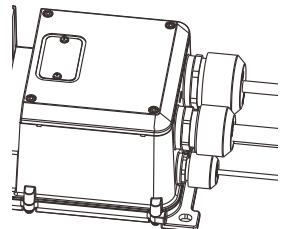
①



② Tighten the cable glands and attach the rubber caps.



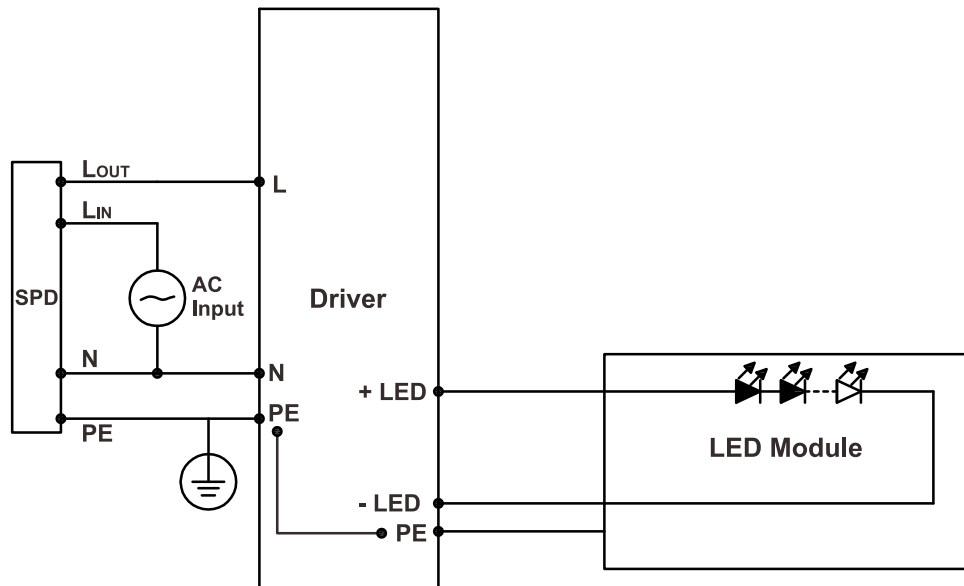
③



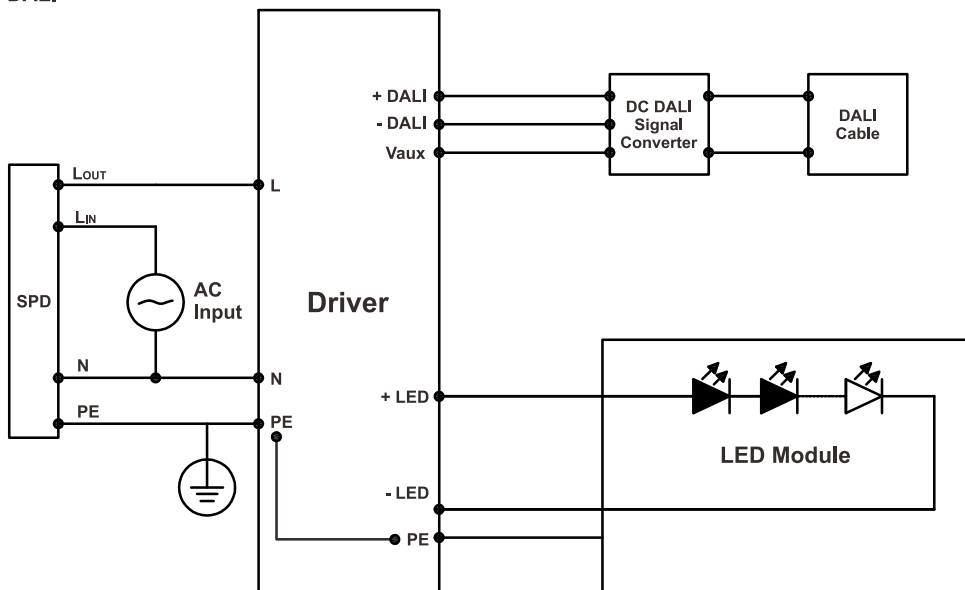
# Circuit Schematic Diagram

400W-1200W

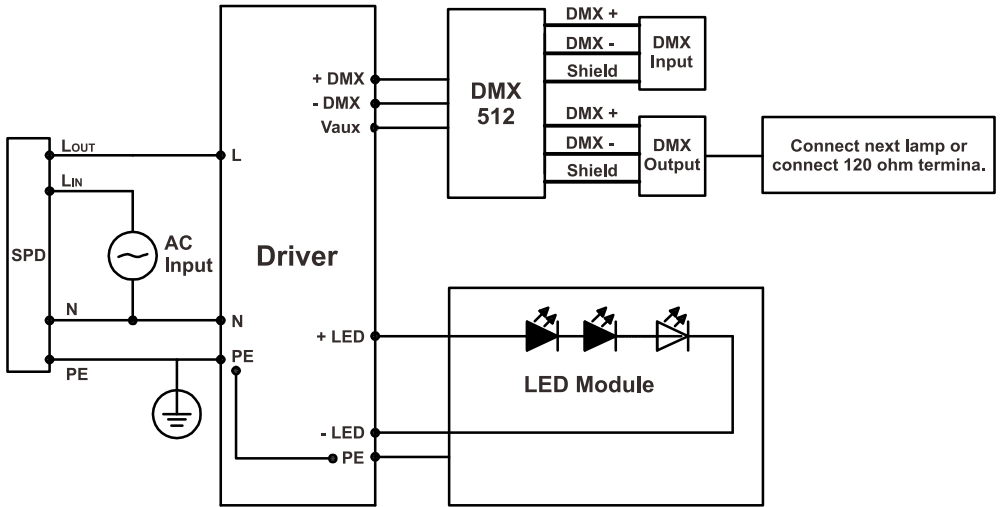
Non-Dimmable



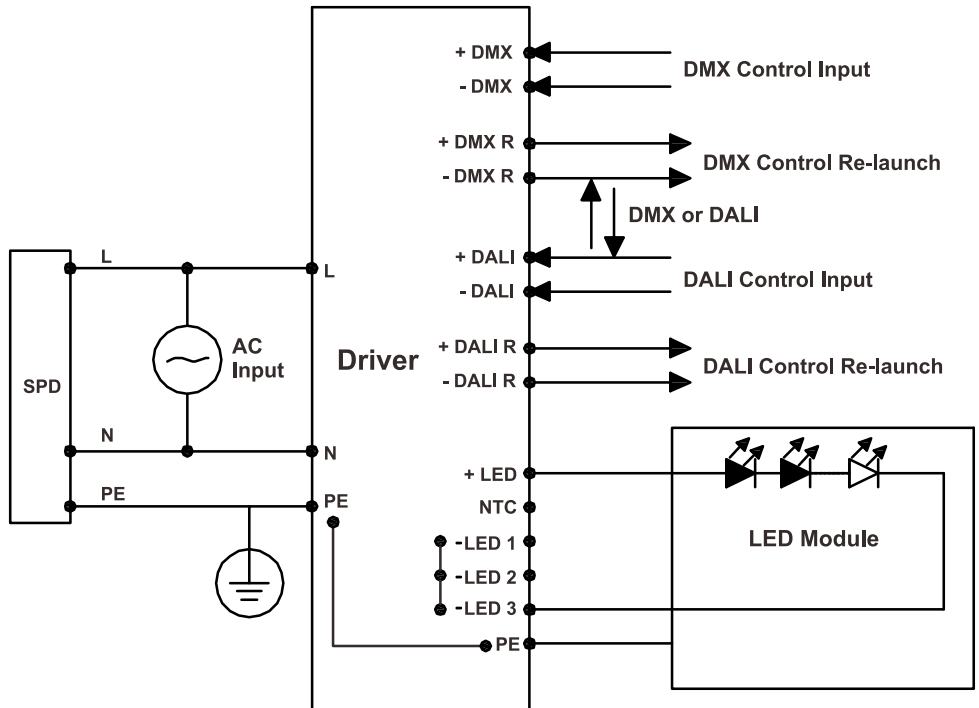
DALI



## DMX



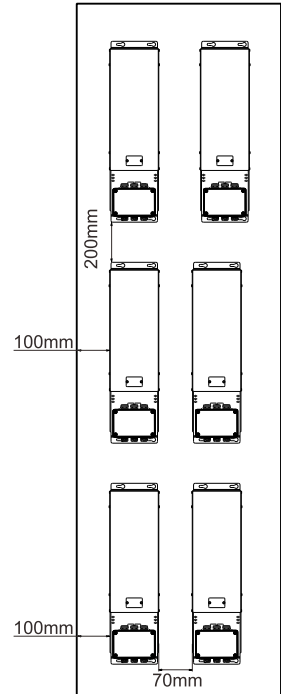
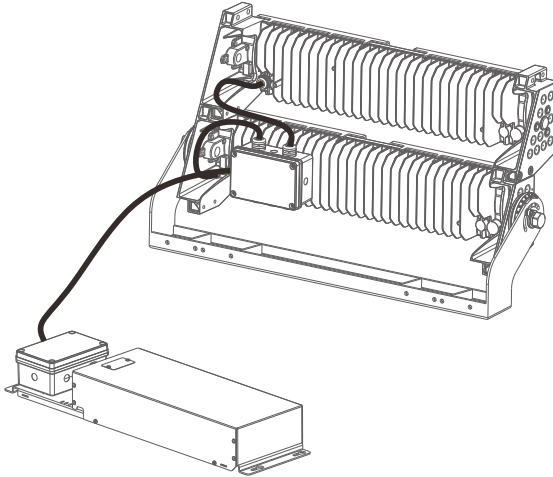
## 1600W-1800W





## Clearance Distance

When the driver boxes are installed in a confined space, the minimum installation clearance must be ensured. Make sure that the measured temperature (5 cm far away from the driver box) is not higher than the  $T_a$  max temperature of the lamp. Please refer to the distance instruction on the right.



Lamp Type	MCB Type	Input Voltage	Quantity
400W	MCB B 16 Type	220-240V	2
	MCB B 32 Type	220-240V	3
	MCB C 16 Type	220-240V	4
	MCB C 32 Type	220-240V	9

Lamp Type	MCB Type	Input Voltage	Quantity
800W	MCB B 16 Type	220-240V	8
	MCB B 32 Type	220-240V	16
	MCB C 16 Type	220-240V	14
	MCB C 32 Type	220-240V	28

Lamp Type	MCB Type	Input Voltage	Quantity
1200W	MCB B 16 Type	220-240V	1
	MCB B 32 Type	220-240V	2
	MCB C 16 Type	220-240V	1
	MCB C 32 Type	220-240V	3

Lamp Type	MCB Type	Input Voltage	Quantity
1600W	MCB B 16 Type	200-420V	1
	MCB B 32 Type	200-420V	3
	MCB C 16 Type	200-420V	1
	MCB C 32 Type	200-420V	3

Lamp Type	MCB Type	Input Voltage	Quantity
1800W	MCB B 16 Type	200-420V	1
	MCB B 32 Type	200-420V	3
	MCB C 16 Type	200-420V	1
	MCB C 32 Type	200-420V	3

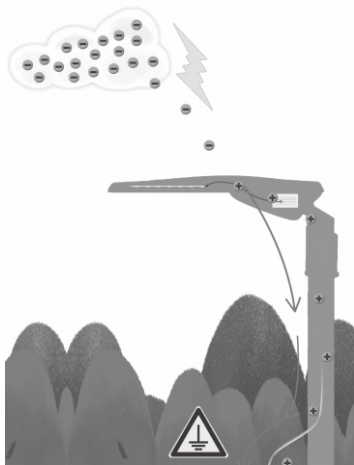
\* Maximum number of luminaires connected.  
Disclaimer: For reference only. The quantity of luminaires per circuit breaker must be based on the electrical design that prepared (& approved) by qualified electrical system design engineer.

## Precautions for Outdoor Lighting

Lightning is a common natural phenomenon. When the accumulation of electric charge in the thundercloud to a certain degree, air breakdown will occur to cause electrostatic discharge between the clouds, or between the cloud and the earth. Normally there are direct lightning and induction lightning, most LED luminaires damage caused by induction lightning, such as electrostatic induction or magnetic field induction.

Below pretreatment can reduce lightning hazard, and extend luminaire lifetime.

1. LED luminaire should be effectively grounded




With effective grounding, the electric charge can be introduced to ground quickly

2. Install surge protector in power distribution box



The SPD can absorb most surge energy before luminaire

### AC cords

<b>L</b>	brown		black
<b>N</b>	blue		white
	yellow/green		green

### DIM cords

Note: color for dim cords subject to the cable label on luminaire



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 square, stadium, exhibition center, soccer field, tennis court 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.
3. The suggested mounting height of the luminaire is 6-30m.