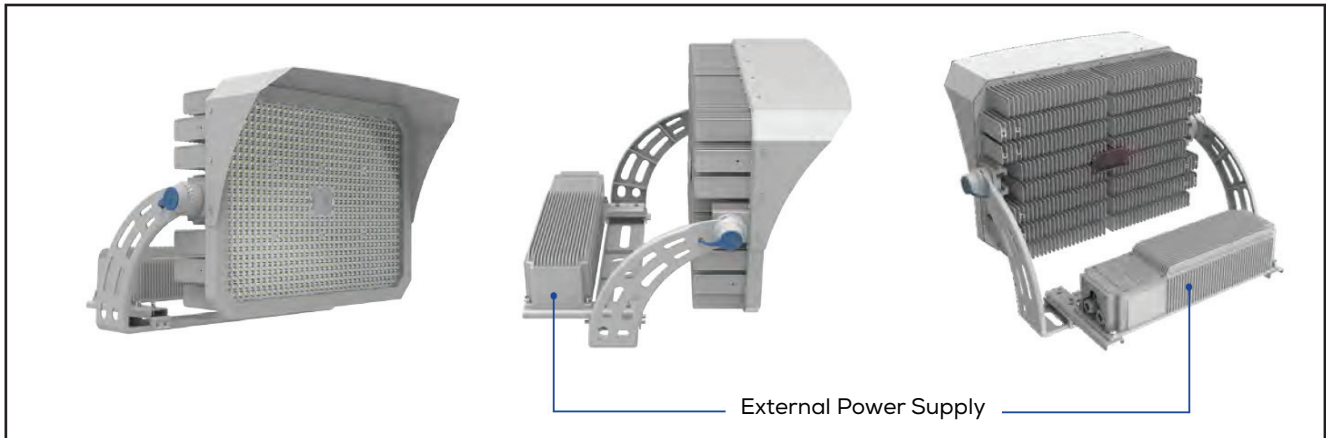




# Durable Stadium Lighting Solution

LED Sports Light  
FL10 Series



## Product Description

Designed by our own R&D team, FL10 series LED sports light produces high brightness and enhanced glare-free illumination for specific venue to create bright and comfortable lighting. Wind resistant, suitable for wet location, ideal for outdoor large places as flood and area lighting.

## Features

RGB/RGBW optional

### Construction:

- Ruggedly designed with 1017 aluminum alloy housing, excellent cooling performance.
- Standard unit comes with clear polycarbonate lens with great impact resistance, which ensures high lighting performance (toughened glass lens is optional).
- Professional design of heat sink for outstanding heat dissipation.

### Electrical:

- Standard unit comes with 220-415V external driver.
- A wide CCT of 2700K to 6500K.

### Mounting:

- Installation angle of fixture is flexible to adjust through rotation shaft of the mounting arm.
- Standard mounting method: bracket mounting. Bracket for lamp body and the fixture are assembled before packaged, but bracket for external driver are not.

## Compliance

CB  
UL

## Application

- Sporting Facility
- Stadium
- Paper mills
- Container Loading Area
- Shipping Yard
- High Mast Roadway
- Airport
- Industrial Lighting
- Parking Lot
- Railway
- Port
- Public Square



## Warranty



5-Year Standard Warranty  
50,000 hours L70B50@35°C

## Technical Parameter

### Electrical

Specification	FL10-xxxW UXYZICC
Rated Power	1500W/1650W/1800W
Input Voltage	AC220-415V
Input Frequency	50/60Hz
Power Factor	0.9
Power Supply Brand:	Sosen/Inventronics; External Power Supply (Standard)
Surge Protection	10kV

### Optical

Specification	FL10-xxxW UXYZICC
Lumen Output	247,500lm/272,250lm/297,000lm
Lumens Per Watt @Ra70	165lm/W
Beam Angle	15°/20°/P60
LED Type	3737/5050
CCT:	2700K-6500K
CRI	Ra70(Standard), Ra80(Optional)
Dimming	0-10V Dimming

### Environmental

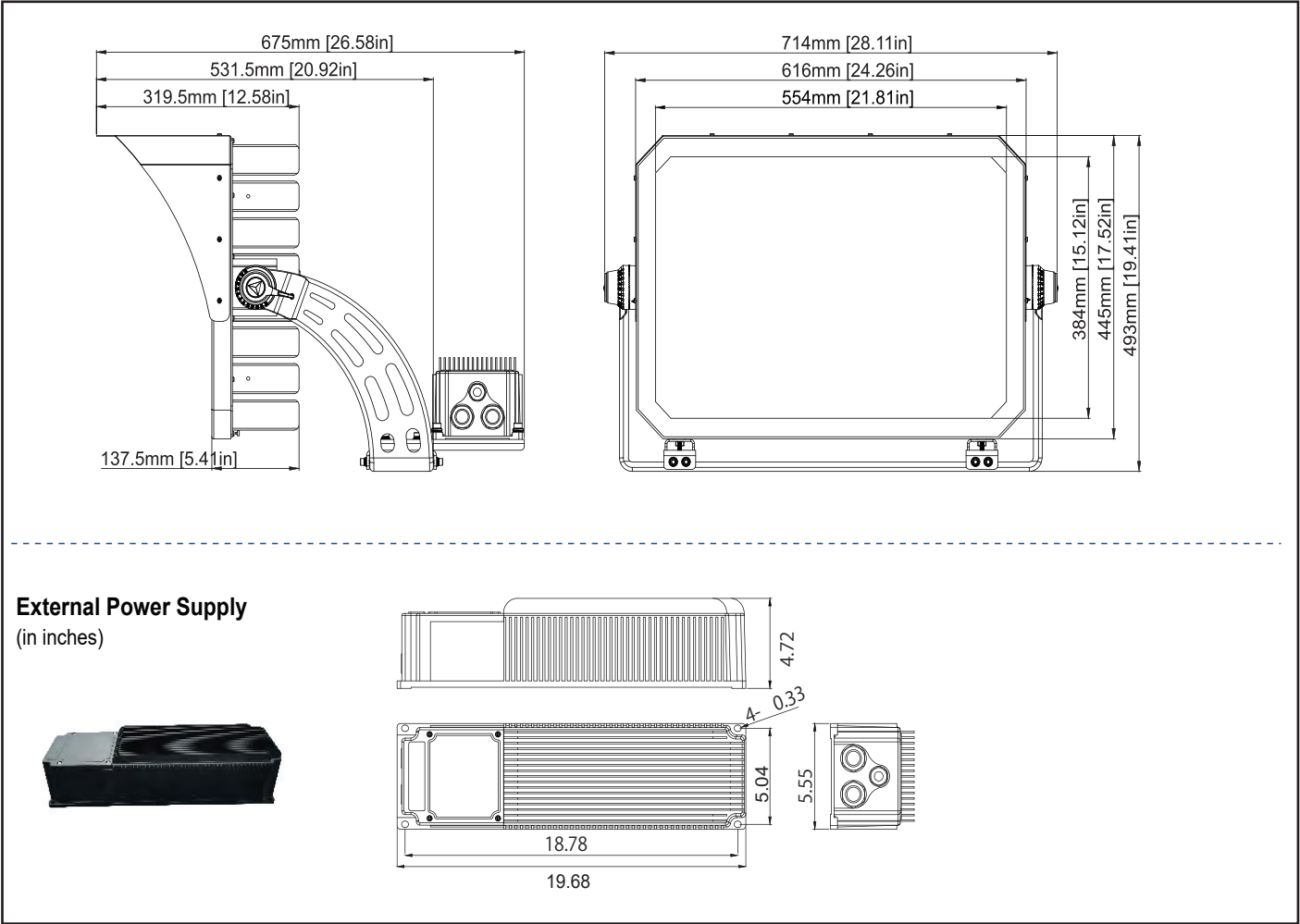
Specification	FL10-xxxW UXYZICC
Ambient Operating Temperature	-40°C to 45°C (-40°F to 113°F)

### Mechanical

Specification	FL10-xxxW UXYZICC
Housing Material	1017 Alum inum Alloy
Lens Material	Anti-UV Polycarbonate Optical Material (Standard), Glass (Optional)
Protection	IP66/IK08
Mounting	Bracket
EPA	2.74Ft <sup>2</sup>
Outlet Wire	DC line: Standard outlet length is 0.5 meters, and the outlet length can be customized AC line and dimming line are not included, but can be customized FL10 Series LED Sports Light



Product Dimensions



Packing Information

Model	Net Weight	Quantity/Carton	Package Dimension (LxWxH)
FL10-xxxW UXYZICC without external driver)	13.0 kg +/-0.5 kg	1 pc	1 pc
External Power Supply	6.1kg 13.45lb)	1 pc	1 pc

## Ordering Guide

FL10-xxxW U X Y Z I CC

FL10: Product series

xxxW: Wattage. 1500W/1650W/1800W

U: CCT. 27=2700K, 30=3000K, 40=4000K, ..., 65=6500K

X: Dimming option. D=Dimmable, N=Non-dimmable

Y: Beam angle. 10=10°, 15=15°, 20=20°, P60=P60

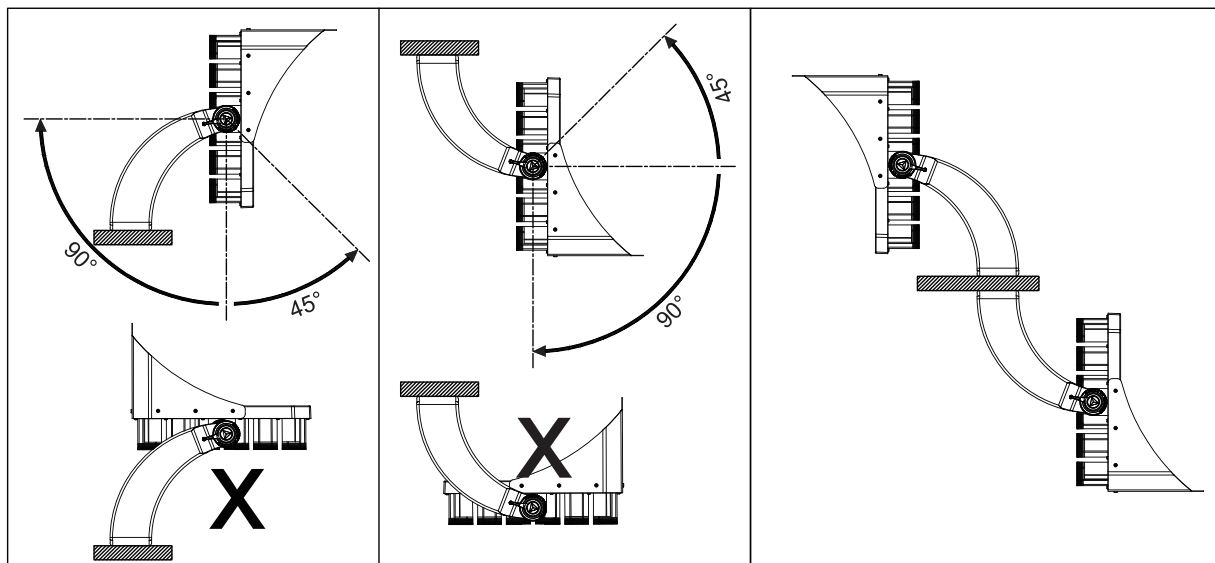
Z: Sensor option. N=without sensor

I: Driver option. 2=with external driver (standard)

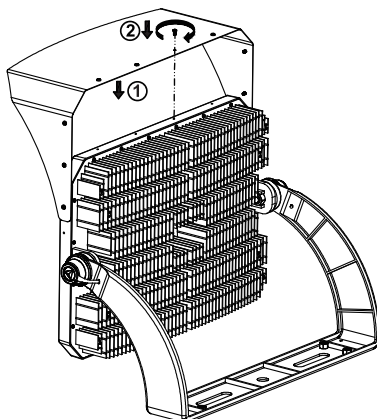
CC: Input Voltage. 220-415V



## Mounting Methods

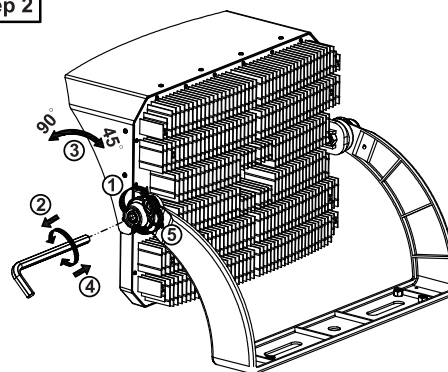


### Step 1



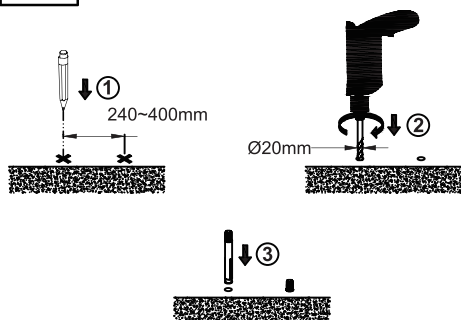
Fix the metal mask on the module with screws (10 PCS screws).

### Step 2



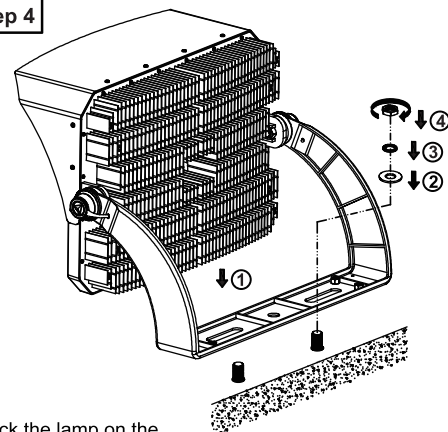
Pull out the rubber plug, loosen the M16 screws at both ends with a 14 # Allen wrench, and adjust the LED module angle (45° upward and 90° downward).

### Step 3



First, drill holes on the mounting surface with an 20mm drill bit, then fix the explosive bolt in the mounting hole, and finally lock the lamp body with M20 nuts.

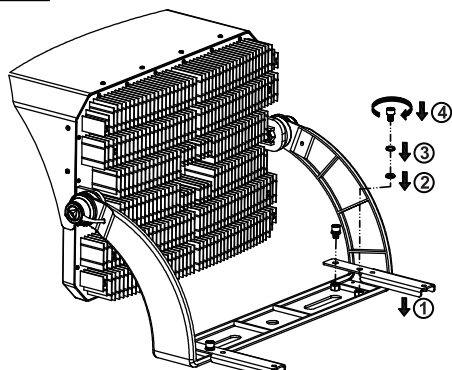
### Step 4



Lock the lamp on the mounting surface with M20 nut.

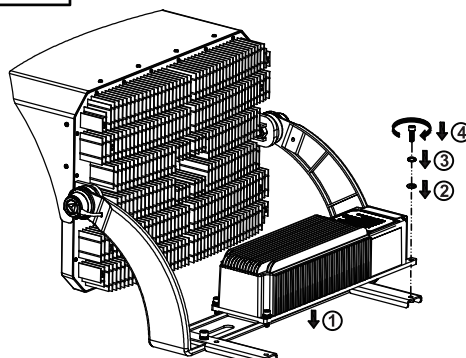
## Mounting Methods

Step 5



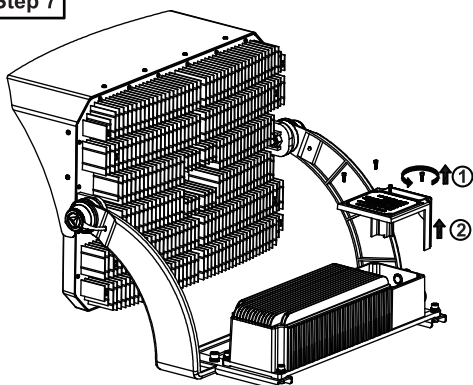
Fix the power supply bracket on the lamp bracket with M10 screws.

Step 6



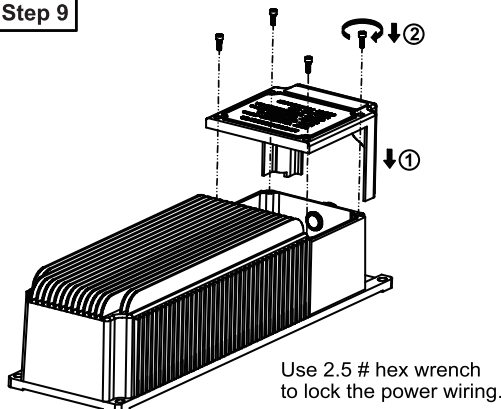
Fix the power supply on the lamp bracket with M10 screws.

Step 7



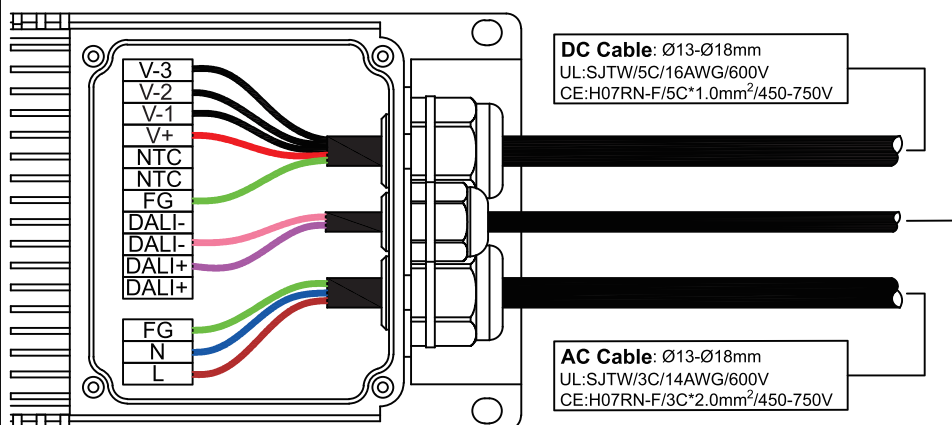
Open the power junction box with a 2.5 # hex wrench.

Step 9



Use 2.5 # hex wrench to lock the power wiring.

Step 8



Observe the correct voltage and polarity, conduct all necessary wiring to ensure that the wires are properly fixed, and lock the M20 and M25 cable glands.

For any information and enquiry - Connect us

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