

## LED POST TOP AREA LIGHT

HIGH QUALITY LIGHTING  
EASY INSTALLATION  
SAFE AND ENVIRONMENTALLY FRIENDLY  
WATERPROOF AND DURABLE  
SAVING ENERGY

## Features

60~150W Available  
IP65 Waterproof Dust Free  
Energy Saving 50% At Least  
ETL cETL DLC Approved  
3000K 4000K or 5000K CCT Selectable options  
135LM/W SMD3030 Chips  
5 Years Warranty  
Unicersal Voltage AC120~277V  
120 Degree Beam Angle  
High Power Factor>0.9,Low THD Driver  
Available With Photocell/Sensor  
Using High Quality LED Chips  
High Intensity and Stability,No Maintenance Cost  
Anti-Shok,Anti-moisture,No glare,No Strobe Light  
Protecting Your Eyes.



## Photocell cap

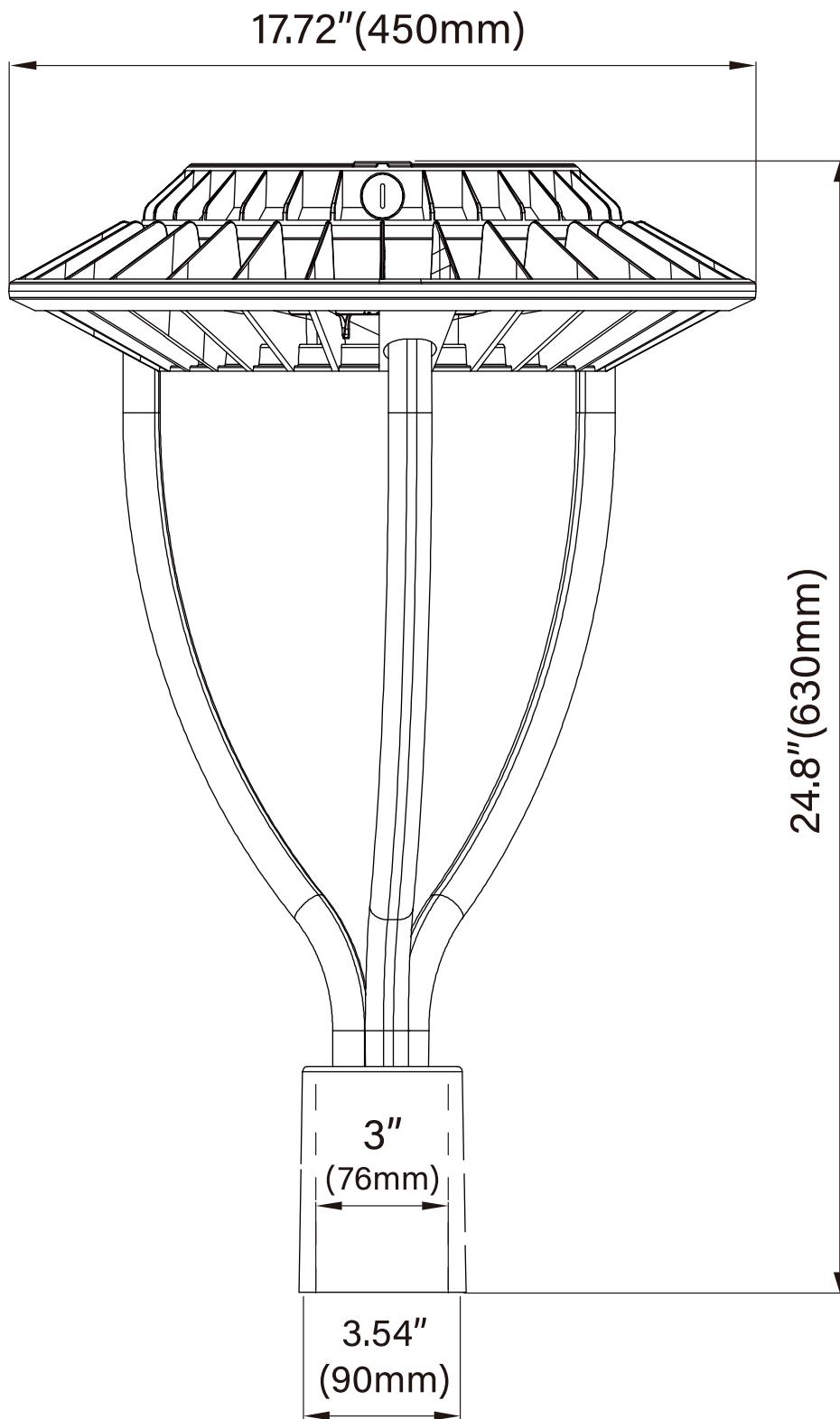


## Photocell sensor

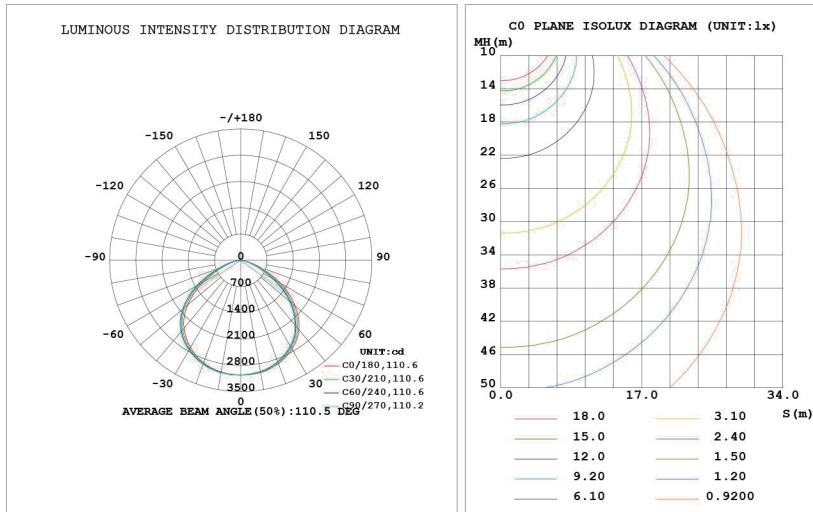
## Applications

LED Post Top Area Lighting series can be tidely used in City expressway, trunk road, factories, schools, garden, parking lots, public parks etc.

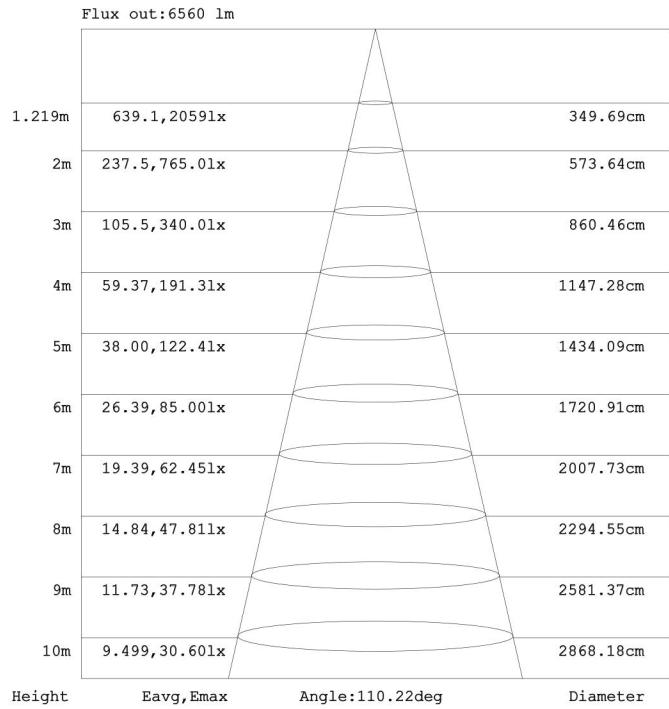
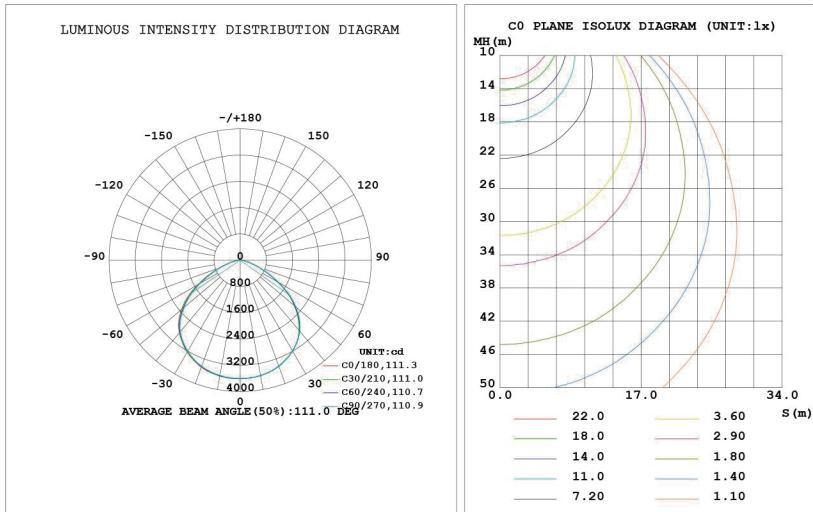
| Series      | Lumens   | Base        | Beam Angle (Degree) | Electrical Data                        | LED Type       | Color temperature                                | Color rendering index               |  |  |  |
|-------------|----------|-------------|---------------------|--|----------------|--|-------------------------------------|--|--|--|
|             |          |             |                     |  |                |  |                                     |  |  |  |
| NG-PTA-60W  | 8100 Lm  | 3 pin wires | 120 degree          | Input Voltage<br>120-277V 50~60Hz      | SMD 3030 chips | WW 3000 K<br>NW 4000 K<br>DW 5000 K<br>CW 5700 K | 70 70 CRI<br>80 80 CRI<br>90 80 CRI |  |  |  |
| NG-PTA-80W  | 10125 Lm |             |                     | Total Power(W)<br>60W 80W<br>100W 150W |                |  |                                     |  |  |  |
| NG-PTA-100W | 13500 Lm |             |                     | Power Factor(%)<br>>90                 |                |  |                                     |  |  |  |
| NG-PTA-150W | 20250 Lm |             |                     |  |                |  |                                     |  |  |  |



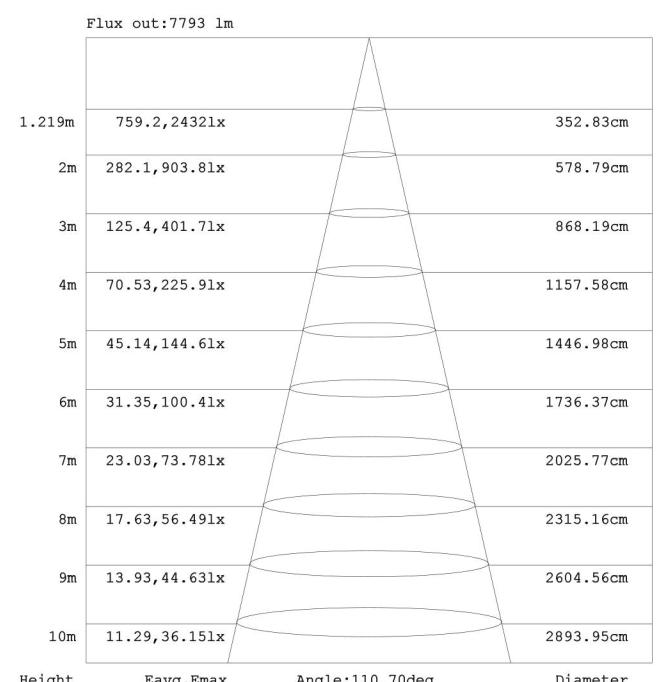
| DATA OF LAMP     |            | PHOTOMETRIC DATA |        |                         |
|------------------|------------|------------------|--------|-------------------------|
| MODEL            | NG-PTA-60W | Imax (cd)        | 3060   | Eff: 135.35 lm/W        |
| NOMINAL POWER(W) | 60         | LOR (%)          | 100.0  | S/MH(C0/180)            |
| RATED VOLTAGE(V) | 120-277    | TOTAL FLUX(lm)   | 8240.2 | S/MH(C90/270)           |
| NOMINAL FLUX(lm) | 8240.17    | CIE CLASS        | DIRECT | $\eta$ UP, DN(C180-360) |
| LAMPS INSIDE     | 1          | $\eta$ up (%)    | 0.0    | CIBSE SHR NOM           |
| TEST VOLTAGE(V)  | 120        | $\eta$ down (%)  | 100.0  | CIBSE SHR MAX           |



| DATA OF LAMP     |            | PHOTOMETRIC DATA |        |                         |
|------------------|------------|------------------|--------|-------------------------|
| MODEL            | NG-PTA-80W | Imax (cd)        | 3616   | Eff: 133.68 lm/W        |
| NOMINAL POWER(W) | 80         | LOR (%)          | 100.0  | S/MH(C90/270)           |
| RATED VOLTAGE(V) | 120-277    | TOTAL FLUX(lm)   | 9757.2 | $\eta$ UP, DN(C0-180)   |
| NOMINAL FLUX(lm) | 9757.16    | CIE CLASS        | DIRECT | $\eta$ UP, DN(C180-360) |
| LAMPS INSIDE     | 1          | $\eta$ up (%)    | 0.0    | CIBSE SHR NOM           |
| TEST VOLTAGE(V)  | 120        | $\eta$ down (%)  | 100.0  | CIBSE SHR MAX           |

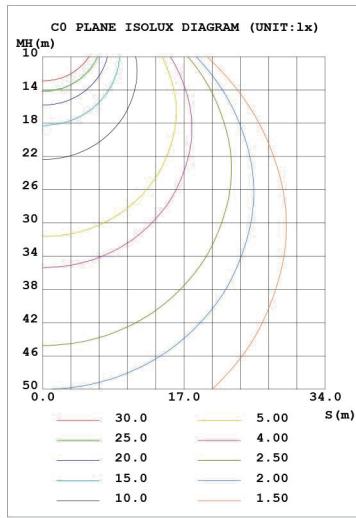
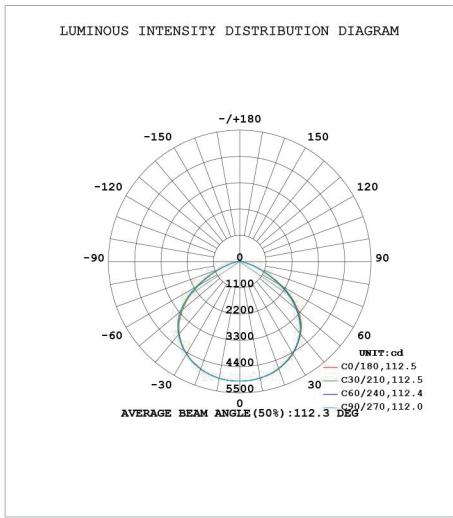


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

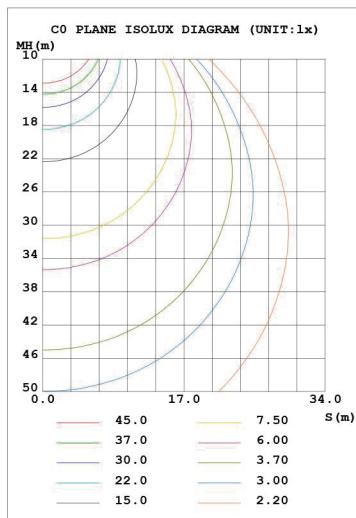
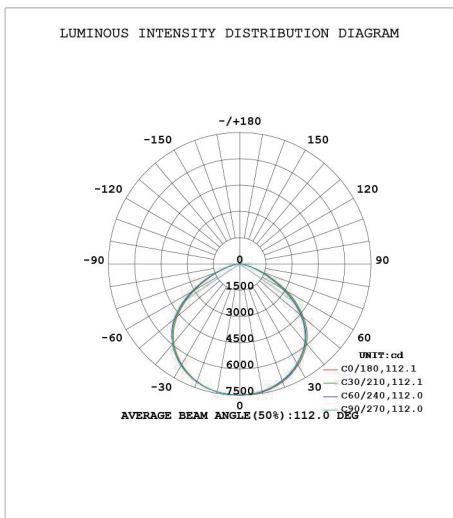


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

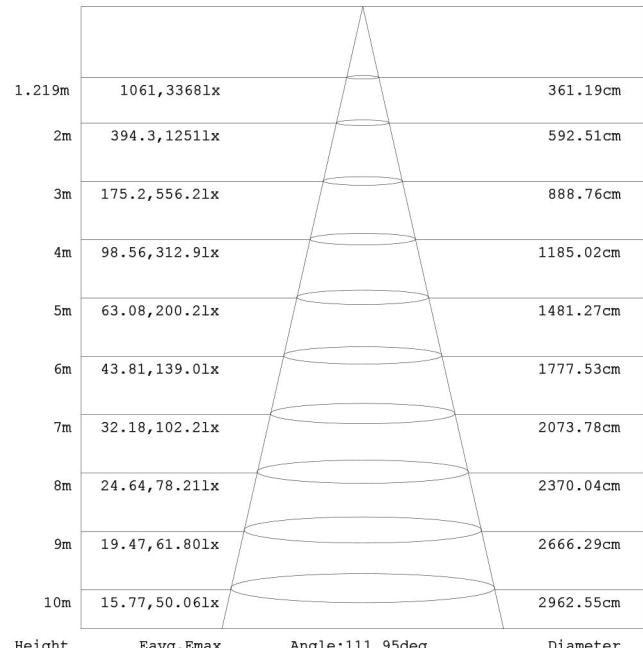
| DATA OF LAMP      |             | PHOTOMETRIC DATA      |        |                     | Eff: 135.56 lm/W |
|-------------------|-------------|-----------------------|--------|---------------------|------------------|
| MODEL             | NG-PTA-100W | I <sub>max</sub> (cd) | 5006   | S/MH (C0/180)       | 1.32             |
| NOMINAL POWER (W) | 100         | LOR (%)               | 100.0  | S/MH (C90/270)      | 1.33             |
| RATED VOLTAGE (V) | 120-277     | TOTAL FLUX(lm)        | 13709  | η UP, DN (C0-180)   | 0.0, 49.2        |
| NOMINAL FLUX(lm)  | 13709       | CIE CLASS             | DIRECT | η UP, DN (C180-360) | 0.0, 50.8        |
| LAMPS INSIDE      | 1           | η up (%)              | 0.0    | CIBSE SHR NOM       | 1.25             |
| TEST VOLTAGE (V)  | 120         | η down (%)            | 100.0  | CIBSE SHR MAX       | 1.35             |



| DATA OF LAMP      |             | PHOTOMETRIC DATA      |        |                     | Eff: 135.77 lm/W |
|-------------------|-------------|-----------------------|--------|---------------------|------------------|
| MODEL             | NG-PTA-150W | I <sub>max</sub> (cd) | 7492   | S/MH (C0/180)       | 1.31             |
| NOMINAL POWER (W) | 150         | LOR (%)               | 100.0  | S/MH (C90/270)      | 1.33             |
| RATED VOLTAGE (V) | 120-277     | TOTAL FLUX(lm)        | 20492  | η UP, DN (C0-180)   | 0.0, 48.8        |
| NOMINAL FLUX(lm)  | 20492.5     | CIE CLASS             | DIRECT | η UP, DN (C180-360) | 0.0, 51.2        |
| LAMPS INSIDE      | 1           | η up (%)              | 0.0    | CIBSE SHR NOM       | 1.25             |
| TEST VOLTAGE (V)  | 120         | η down (%)            | 100.0  | CIBSE SHR MAX       | 1.35             |

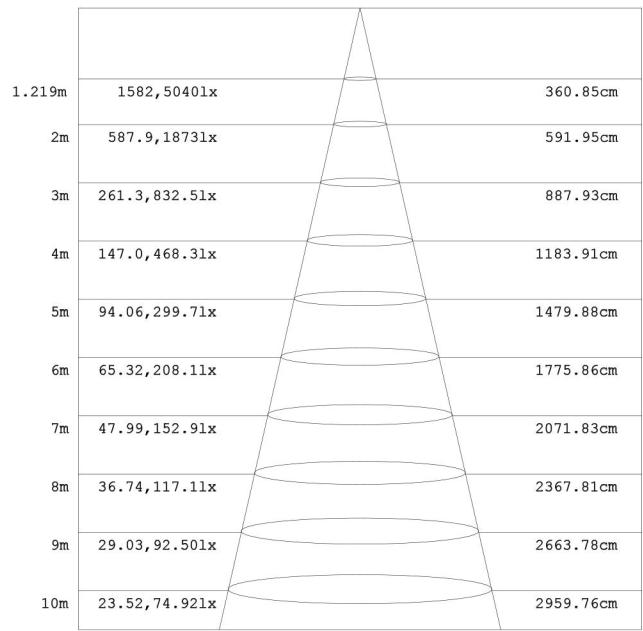


Flux out: 10890 lm



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Flux out: 16238 lm



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

## Installation Instructions

Warning: Do cut off electrical source in order to avoid electrical shock and endanger life-safety before installation.

| Model       | Power | Input Voltage    |
|-------------|-------|------------------|
| NG-PTA-60W  | 60W   | 120~277V 50/60Hz |
| NG-PTA-80W  | 80W   | 120~277V 50/60Hz |
| NG-PTA-100W | 100W  | 120~277V 50/60Hz |
| NG-PTA-150W | 150W  | 120~277V 50/60Hz |

Step 1: Pass the leads of the lights through the stem, then fix the stem with the lamp.

Step 2: Pass the leads of the light through the tenon pole, then using screws to fix it.

Step 3: Electrical connections:

connect the black wire to line

connect the white wire to neutral

connect the green or green/yellow wire to ground

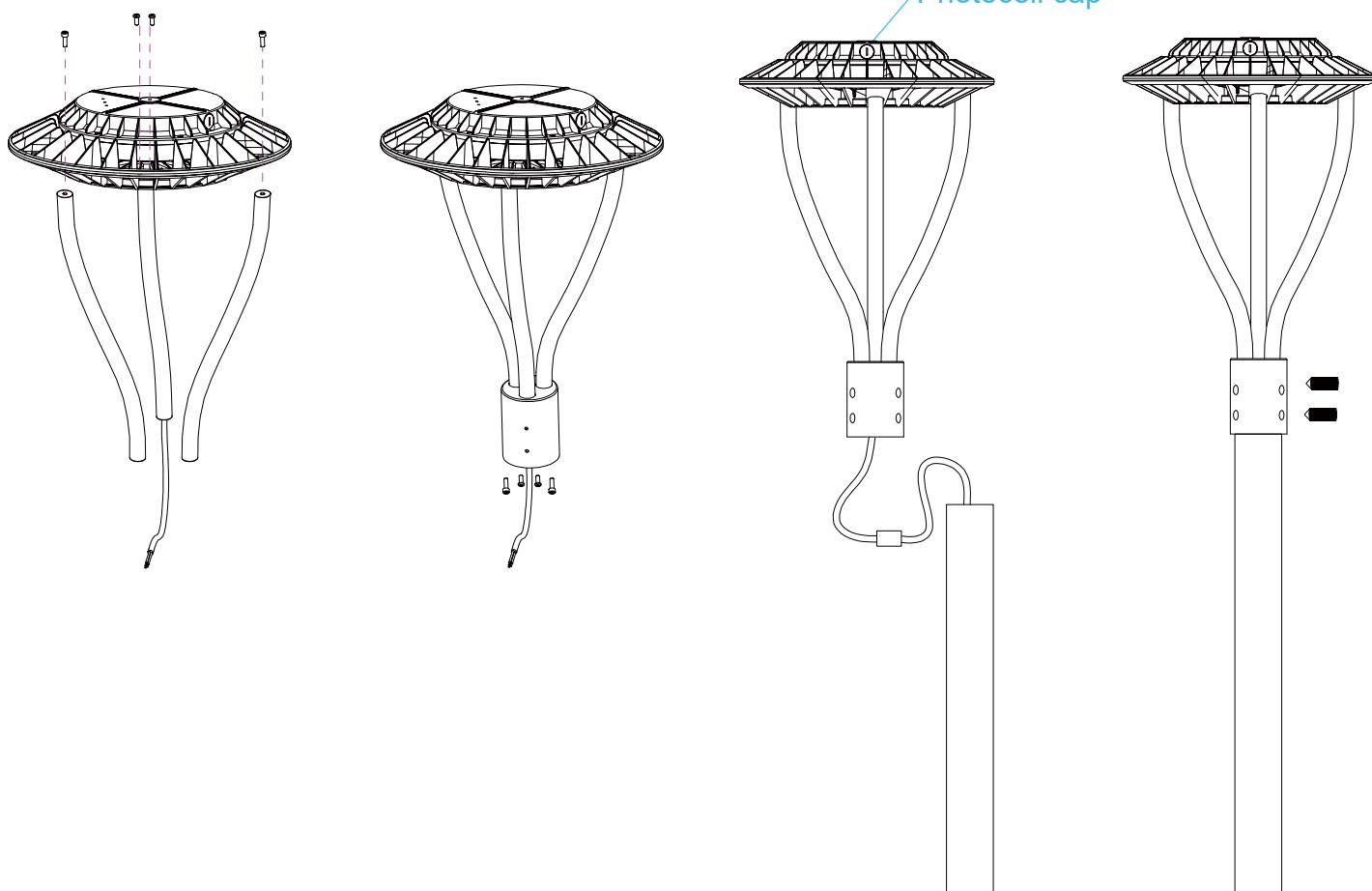
And good waterproof processing.



Step 4: Remove the photocell cap if you need a Dusk-to-Dawn function.

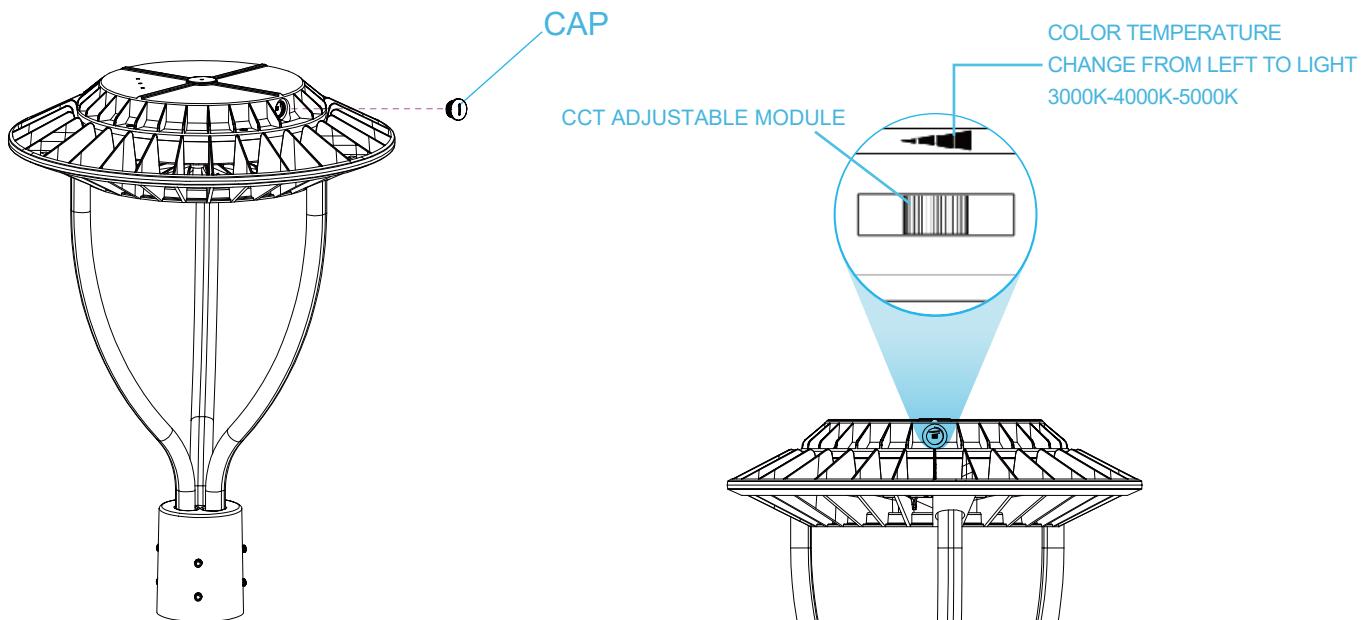
Step 5: On the lamps and lanterns hung up safety rope, and then install the lamp on the mast.

※Install height form floor higher than 1.2m.

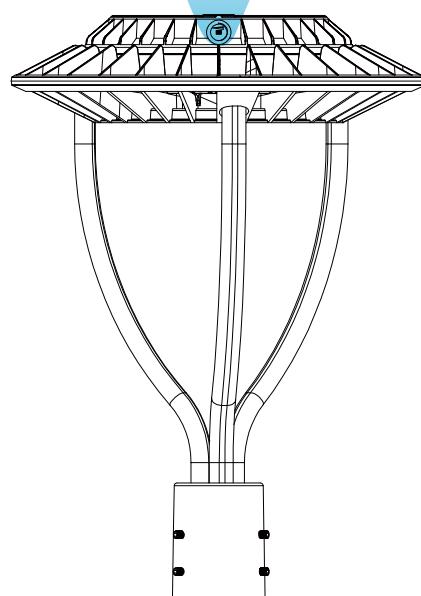
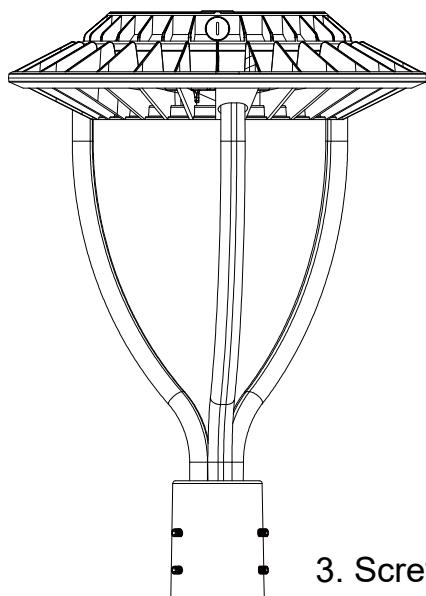


## How to adjust the color temperature of the light

(If the color temperature adjustment function is available)



1. Unscrew the cap with a slotted screw

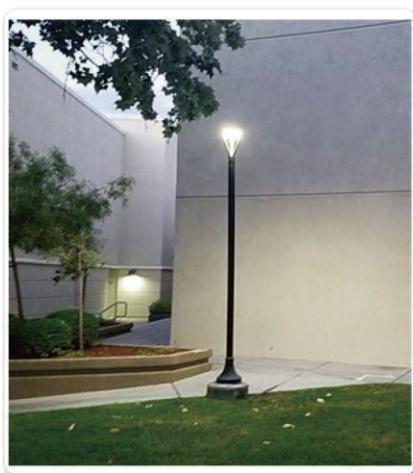


2. Select the proper color temperature as you need

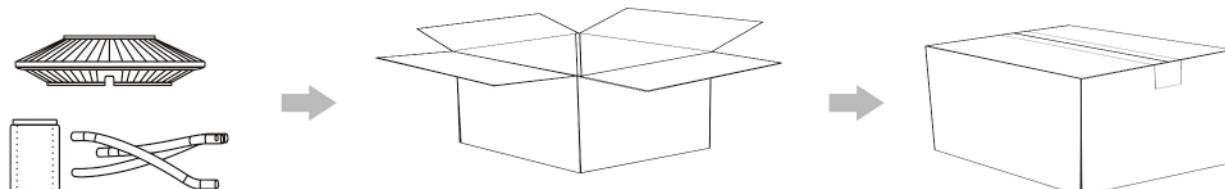
3. Screw the cap after CCT selection

### Warm Notice :

- 1: Please turn off the light before adjustable CCT.
- 2: Only turn on the light after you finished the CCT selection.



## Packaging



| POWER | Unit | Size          | Gross Weight | Volume              |
|-------|------|---------------|--------------|---------------------|
| 60W   | 1PCS | 490*490*190mm | 7.4 Kg       | 0.046m <sup>3</sup> |
|       | 2PCS | 510*510*415mm | 16.0 Kg      | 0.108m <sup>3</sup> |
| 100W  | 1PCS | 490*490*190mm | 7.5 Kg       | 0.046m <sup>3</sup> |
|       | 2PCS | 510*510*415mm | 16.2 Kg      | 0.108m <sup>3</sup> |
| 150W  | 1PCS | 490*490*190mm | 7.75 Kg      | 0.046m <sup>3</sup> |
|       | 2PCS | 510*510*415mm | 16.8 Kg      | 0.108m <sup>3</sup> |