



The Cone LED Post Top is supplied with a cast aluminum roof which includes optimized heat sinks, maximizing the life and performance of the LED light sources. Optical design, greatly improves the light efficiency and uniformity. It can be widely used for outdoor lighting applications such as landscape, courtyards, roadways.

## TECHNICAL DATA

|                     |                                |
|---------------------|--------------------------------|
| Wattage             | 40W/60W/80W/100W               |
| CRI                 | 70-Standard                    |
|                     | 80-Optional                    |
| CCT                 | 3000K, 4000K, 5000K            |
| Input Voltage       | 120-277VAC, 50/60Hz            |
| Operating Temp.     | -22°F to 104°F(-30°C to 40°C ) |
| Driver              | 0-10V dimming                  |
| Certifications      | cUL Listed                     |
|                     | RoHS compliant                 |
| Power Factor        | >0.9 at full load              |
| Harmonic Distortion | <20% at full load              |
| Projected Lifetime  | L70 - 100,000 Hours            |
| IP Rating           | IP65                           |
| Surge Protection    | Integral 10KA                  |

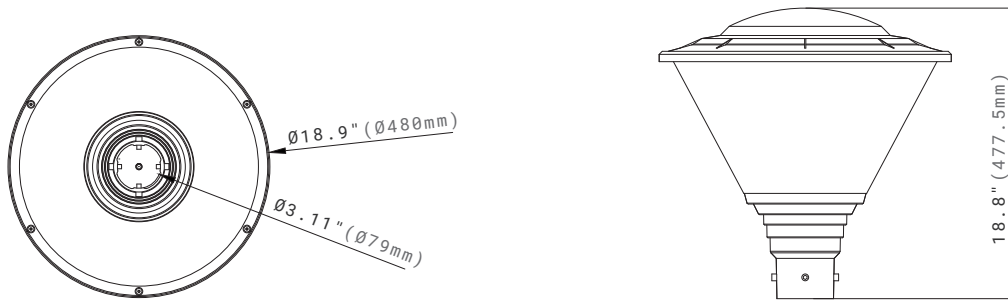
## FEATURES

- **High Efficiency:** Up to 160 LPW for superior energy savings.
- **Optical Quality:** No shadows from brackets and improved light uniformity.
- **Smart Control Ready:** Optional microwave motion sensor with dimming and remote control settings.

## SPECIFICATION

Effective Projected Area (EPA): 2.3ft<sup>2</sup>

Net Weight: 13.23lbs (6.0KG)



## PERFORMANCE DATA

Lumen values are measured by third party certified laboratories performed in accordance with IESNA LM-79-08 as well as Lighting Facts listed.

| Nominal Wattage | Lumen Output | CCT   | Distribution Type | CRI | LPW |
|-----------------|--------------|-------|-------------------|-----|-----|
| 40W             | 6468lm       | 3000K | Type V            | >70 | 162 |
| 40W             | 6777lm       | 4000K | Type V            | >70 | 169 |
| 40W             | 6740lm       | 5000K | Type V            | >70 | 169 |

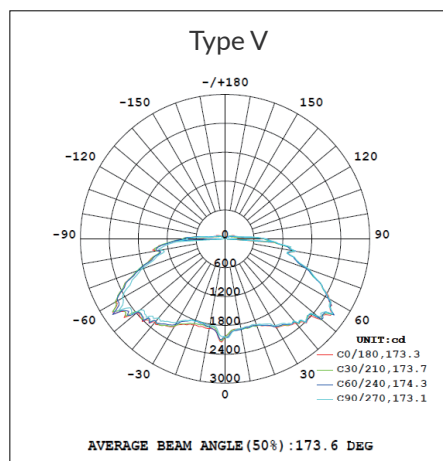
| Nominal Wattage | Lumen Output | CCT   | Distribution Type | CRI | LPW |
|-----------------|--------------|-------|-------------------|-----|-----|
| 60W             | 8982lm       | 3000K | Type V            | >70 | 150 |
| 60W             | 9553lm       | 4000K | Type V            | >70 | 160 |
| 60W             | 9456lm       | 5000K | Type V            | >70 | 158 |

| Nominal Wattage | Lumen Output | CCT   | Distribution Type | CRI | LPW |
|-----------------|--------------|-------|-------------------|-----|-----|
| 80W             | 11274lm      | 3000K | Type V            | >70 | 141 |
| 80W             | 12004lm      | 4000K | Type V            | >70 | 150 |
| 80W             | 11712lm      | 5000K | Type V            | >70 | 146 |

| Nominal Wattage | Lumen Output | CCT   | Distribution Type | CRI | LPW |
|-----------------|--------------|-------|-------------------|-----|-----|
| 100W            | 13479lm      | 3000K | Type V            | >70 | 135 |
| 100W            | 14730lm      | 4000K | Type V            | >70 | 147 |
| 100W            | 13991lm      | 5000K | Type V            | >70 | 140 |

## PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Results may vary per actual order.



## ORDERING INFORMATION

EXAMPLE: CPT-100SPSW1-V-BK

| <b>CPT</b> |                                                                      |                                                                 |                      |                                                                                                  |                                            |                    |                                             |
|------------|----------------------------------------------------------------------|-----------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------|---------------------------------------------|
| Series     | Wattage                                                              | CCT <sup>2</sup>                                                | Voltage              | Control                                                                                          | Installation                               | Distribution       | Finish                                      |
| <b>CPT</b> | <b>100SP</b><br>Selectable<br>40W<br>60W<br>80W<br>100W <sup>1</sup> | <b>SW</b><br>Selectable<br>3000K<br>4000K <sup>2</sup><br>5000K | <b>1</b><br>120-277V | <b>BLANK</b><br>0-10V<br>dimming<br><br><b>MSW</b><br>Microwave<br>Motion<br>Sensor <sup>3</sup> | <b>BLANK</b><br>2 3/8" to 3"<br>Tenon Pole | <b>V</b><br>Type V | <b>BK</b><br>Black <sup>4</sup><br>RAL#9004 |

### NOTE:

- 100W is default setting.
- 4000K is default setting.
- Motion Sensor recommended for a maximum mounting height of 20ft (6m). Default "stand-by" dimming level is 30% and none Cut Off. Besides, daylight sensor default setting is disable. The RC-100 Remote Control can operate all sensor functions. Please refer to more sensor setting details on the next page.
- Black finish is standard. Additional charges will apply for all the other colors. Please contact customer service for premium adder.

## PIR DIMMING SENSOR SETTING DBI810-B-M10 (120-277V)

By selecting the combination on the DIP switch, sensor data can be precisely set for each specific application.

The sensor setting also can be done by a remote control (RC-100) which need to be bought separately.

|     | 1 | 2 |      |
|-----|---|---|------|
| I   | ↓ | ↓ | 20%  |
| II  | ↓ | ↑ | 50%  |
| III | ↑ | ↓ | 75%  |
| IV  | ↑ | ↑ | 100% |

### Sensitivity

Sensitivity can be reduced by selecting the combination on the DIP switches to fit precisely each application.

**Default Setting: 100%**

|     | 3 | 4 |        |
|-----|---|---|--------|
| I   | ↓ | ↓ | 10s    |
| II  | ↓ | ↑ | 1min   |
| III | ↑ | ↓ | 5mins  |
| IV  | ↑ | ↑ | 15mins |

### Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected.

**Default Setting: 5 mins**

|     | 5 | 6 |        |
|-----|---|---|--------|
| I   | ↓ | ↓ | ☀      |
| II  | ↓ | ↑ | 10 lux |
| III | ↑ | ↓ | 30 lux |
| IV  | ↑ | ↑ | 50 lux |

### Daylight sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold.

**Default Setting: Disable ☀**

|     | 7 | 8 |     |
|-----|---|---|-----|
| I   | ↓ | ↓ | 0%  |
| II  | ↓ | ↑ | 10% |
| III | ↑ | ↓ | 30% |
| IV  | ↑ | ↑ | 50% |

### Stand-by dimming level

The low light level you would like to have after the hold time in the long absence of people.

**Default Setting: 30%**

|     | 9 | 10 |        |
|-----|---|----|--------|
| I   | ↓ | ↓  | +∞     |
| II  | ↓ | ↑  | 1min   |
| III | ↑ | ↓  | 30mins |
| IV  | ↑ | ↑  | 60mins |

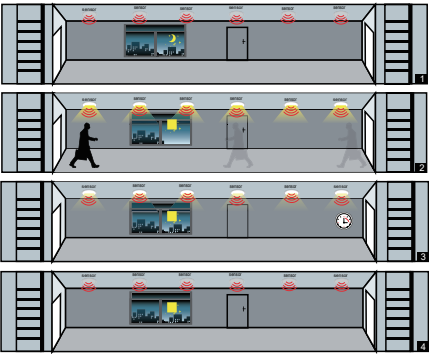
### Stand-by time

Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people. When set to " +∞ " mode, the low light is maintained until motion is detected.

**Default Setting: +∞**

PIR DIMMING SENSOR FUNCTION

The sensor is an innovative motion sensor, switch on the light on detection of movement, and switch off after a hold time when there is no motion detected.



1. No motion detected, all lamps switch off.
2. Any movement is detected from any direction, all lamps synchronously switch on.
3. No motion is detected in detection area, all lamps synchronously dim to a low light level after hold time.
4. After stand-by period, the lamps switch off if no movement is detected in the detection zone.

NOTE:

1. If you choose STAND-BY DIM is 0, the stand-by period is 0, it is ON/OFF function.

BUG RATING TABLE

Performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory.

| Model          | BUG Rating |
|----------------|------------|
| CPT-40W-3000K  | B2-U3-G3   |
| CPT-40W-4000K  | B2-U3-G3   |
| CPT-40W-5000K  | B2-U3-G3   |
| CPT-60W-3000K  | B3-U3-G3   |
| CPT-60W-4000K  | B3-U3-G3   |
| CPT-60W-5000K  | B3-U3-G3   |
| CPT-80W-3000K  | B3-U3-G3   |
| CPT-80W-4000K  | B3-U3-G4   |
| CPT-80W-5000K  | B3-U3-G4   |
| CPT-100W-3000K | B3-U4-G4   |
| CPT-100W-4000K | B3-U4-G4   |
| CPT-100W-5000K | B3-U4-G4   |

WARRANTY

5 years limited warranty.  
Specifications subject to change without notice.