



# PTB Series

**LED Post Top**



# PTB

## LED POST TOP



Colonial style LED Post Top provides the traditional aesthetic of an old-style lantern with the versatility, wattage & CCT selectable technology. The LED Post Top Colonial is a commercial-grade luminaire constructed of durable die-casting aluminum and finished with long-lasting protective powder coat paint. Fasteners are stainless-steel, captive, and tool-less.

This LED post top light will be mounted on poles and located in roadways, pathways, parking lots, and commercial and educational campuses. commercial and educational campuses.

# PTB SERIES

## LED Post Top

### Photocell Option

switch on the lamp at dusk and off at dawn with sufficient ambient light.

### Upper Housing

Die-casting aluminum alloy, Waterproof IP 65 rated & standard Black Powder coating finish for rust-proof

### Motion Sensor

With its signature 3-step dimming function, it is perfect for use in areas that require a light change notice before optionally switching off the light.

### Metal Frame

One-piece-die-casting aluminum alloy frame for impact-resistance. Standard Black Powder coating finish for rust-proof

### Mount Screw

Stainless steel Hex Socket Head Cap Screws



### Slide Switch

(Wattage & CCT Selectable)



### LED Driver

- UL Listed
- 100-277vac
- Meanwell/Sosen
- Power & CCT Tunable available
- 4/6 KV Surge Protection

### LED Module

1. LM 80 High efficacy of SMD LED chips.
2. High efficacy LED boards with dual copper cladding for thermal dissipation

### Diffuser

1. Frosty or Clear for options
2. Glass or PC plastic cover for option

### Mount Bracket

Die-casting aluminum alloy, & Powder coating finish for rust-proof

### Mount Base

Match with Diameter 2 3/8" or 3" of pole



|          |      |
|----------|------|
| Catalog# | Type |
| Comment  |      |
| Project  | Date |

DESCRIPTION

Lightide Post Top LED lights feature new led module design. You can select the power and CCT on-site freely as per your request through two slide switches. Powder-coating finish especially is suitable for outdoor corrosion and wet/damp location. DLC qualification and 5 years warranty keep better quality and long term after-sales service. The luminaire can be installed for garden, road, parking lot lighting, square and others.



CONSTRUCTION & MATERIALS

|              |  |
|--------------|--|
| Housing      | Die-casting Aluminum                         |
| Diffuser     | Tempered glass /PC, Optional Frosty or Clear |
| Frame        | One-Piece-Die-Casting aluminum alloy         |
| Finish       | Black Polyester powder-coated finish         |
| Heat Sink    | LED Module Design                            |
| Waterproof   | IP 65 Rated                                  |
| Installation | Ø2 3/8" or Ø3" of pole option                |

OPTICAL & CONTROL SYSTEM

|                |                                 |
|----------------|---------------------------------|
| Light Efficacy | 120~140 LPW                     |
| CCT            | 3000K, 4000K, 5000K, 5700K      |
| Selectable     | Selectable CCT & wattage        |
| Distribution   | Type III, IV, and V for options |
| Dusk-Dawn      | Photocell Available             |
| Motion Sensor  | Microwave Bi-lever Available    |

ELECTRICAL SYSTEM

|               |                        |
|---------------|------------------------|
| Input Voltage | 100-277vac, 200-480vac |
| Lists         | DLC, ETL/cETL, CE/RoHS |
| Surge Device  | 6KV                    |

WARRANTY & STANDARD

|          |   |
|----------|---|
| Warranty | 5 years   |
| Standard | UL 924, UL 1598, CAN/CSA -C.22.2 NO. 250.0, EN61347-1, EN61347-2-13, EN 60598 |



DATA SHEET

| Order Series #    | LT-PTB30                       | LT-PTB50 (CPT)               | LT-PTB100 (CPT)              | LT-PTB120 (CPT)              |
|-------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
| Rated             | 30W                            | Selectable 30W-50W-60W       | Selectable 30W-60W-100W      | Selectable 80W-100W-120W     |
| Lumen Output      | 3,525 lm                       | 3,525~7,600 lm               | 3,525~11,340 lm              | 9,209-13,489 lm              |
| Input Voltage     | 100-277VAC                     | 100-277VAC                   | 100-277VAC                   | 100-277VAC                   |
| Power Factor      | >0.90                          | >0.90                        | >0.90                        | >0.90                        |
| Color Temperature | Single CCT 3000K, 4000K, 5000K | Selectable 3000K/4000K/5000K | Selectable 3000K/4000K/5000K | Selectable 3000K/4000K/5000K |
| CRI               | >80                            | >80                          | >80                          | >80                          |
| Beam Angle        | Type III, IV, V                | Type III, IV, V              | Type III, IV, V              | Type III, IV, V              |
| L70               | >50,000 hrs                    | >50,000 hrs                  | >50,000 hrs                  | >50,000 hrs                  |
| Operating Temp.   | -20°F to 104°F                 | -20°F to 104°F               | -20°F to 104°F               | -20°F to 104°F               |

ORDER INFORMATION

| Com. | Series | Wattage  | CCT  | Input Voltage                     | Control Mode   | Light Distribution                        | Diffuser   |
|------|--------|--|--|-----------------------------------|--|---|--|
| LT   | PTB    | 30 30W<br>50 50W<br>50CP Selectable 30W-50W-60W<br>60 60W<br>80 80W<br>100CP Selectable 30W-60W-100W<br>120CP Selectable 80W-100W-120W<br>120 120W | 30K 3000K<br>40K 4000K<br>50K 5000K<br>57K 5700K<br>T Selectable 30K-40K-50K | Blank 100-277VAC<br>HV 200-480VAC | DM 0-10VDC Dim<br>PC Photocell<br>MS Motion Sensor<br>EM Emergency Kit | Blank Type V<br>T3 Type III<br>T4 Type IV | Blank Frosty Glass<br>CR Clear Glass<br>PD PC Diffuser |

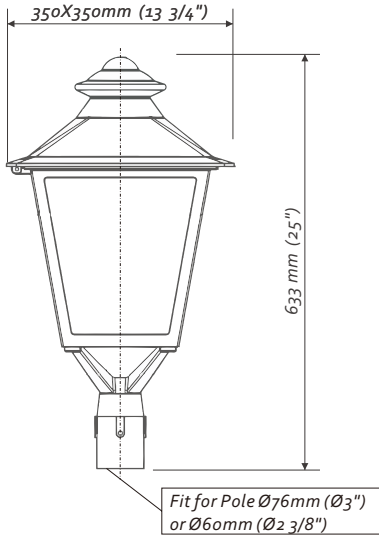
# PTB LED POST TOP LIGHT (G3)

DLC QPL | Selectable CCT S & Wattage | Photocell | Motion Sensor

|          |      |
|----------|------|
| Catalog# | Type |
| Comment  |      |
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## DIMENSION

MODEL# LT-PTB Series



## DIFFUSER OPTION

Frosted  
Glass Diffuser



Clear  
Glass Diffuser



Frosted  
PC Diffuser

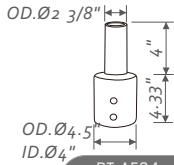


| Model#                     | QTY / CTN | N. W. / CTN            | G. W. / CTN            | Carton Size |
|----------------------------|-----------|------------------------|------------------------|-------------|
| LT-PTB30/50<br>LT-PTB60/80 | 1 piece   | 11.2 Kg<br>(25.00 IBS) | 12.5 Kg<br>(27.56 IBS) | 43x43x54 cm |
| LT-PTB100/120              | 1 piece   | 11.5 Kg<br>(25.40 IBS) | 13.2 Kg<br>(29.10 IBS) | 43x43x54 cm |

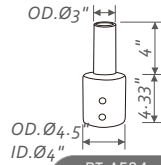
## MOUNT ADAPTER

Depending on the type of light, you may need to have the right mounting-option available too. You can also buy Tenon Adaptor, Bullhorns and Spoke from us, suitable for wooden, metallic, or concrete poles - square or round.

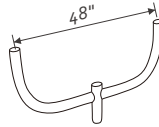
### Bullhorn Style



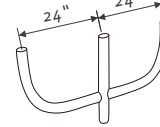
PT-AE24  
Tenon



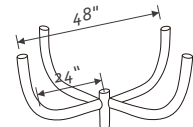
PT-AE34  
Tenon



RPB04L2V  
Twin Bullhorn

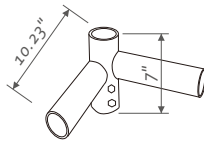


RPB04L3V  
Triple Bullhorn

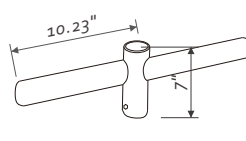


RPB04L4V  
Quad Bullhorn

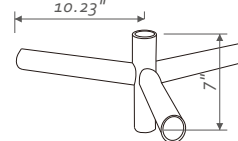
### Spoke Style



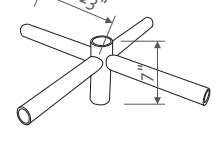
RPS04T2V  
Twin Spoke



RPS04T2H  
Twin Spoke



RPS04T3H  
Triple Spoke



RPS04T4H  
Quad Spoke

## DLC Categories

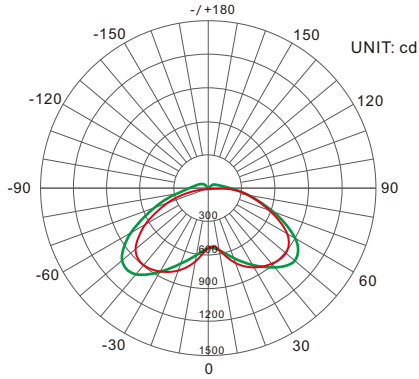
| Model#       | Product ID | Input Voltage | Input Wattage | Lumen Output | CCT   | CRI (Ra) | DLC Family Code |
|--------------|------------|---------------|---------------|--------------|-------|----------|-----------------|
| LT-PTB50-30K | PFJJC1HR   | 100-277 VAC   | 47W           | 4710 lm      | 3000K | 80       | WWWBPH          |
| LT-PTB50-40K | PXXZ1X36   | 100-277 VAC   | 47W           | 4800 lm      | 4000K | 80       | WWWBPH          |
| LT-PTB50-50K | PTPWD5W    | 100-277 VAC   | 47W           | 5100 lm      | 5000K | 80       | WWWBPH          |

|          |      |
|----------|------|
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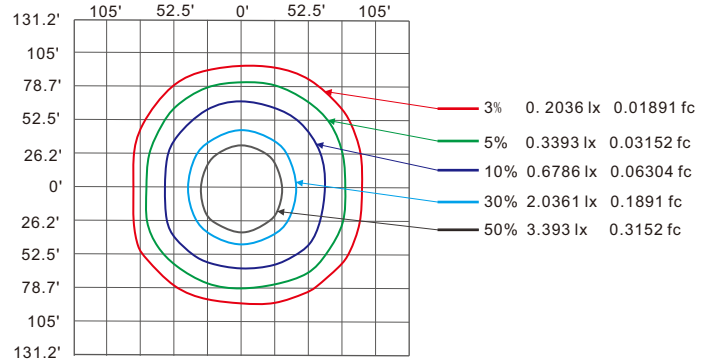
**PHOTOMETRICS**

MODEL# LT-PTB50  
Type V,  
51W, 4,817 lm (froty)  
51W, 5,712 lm (clear)

— V 0.0 DEG PLAN 162.2  
— H 0.0 DEG PLAN 165.0



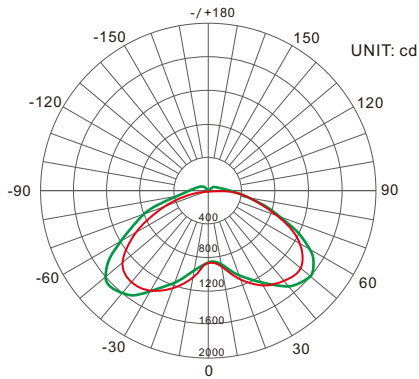
AVERAGE BEAM ANGLE (50%): 163.6 DEG.



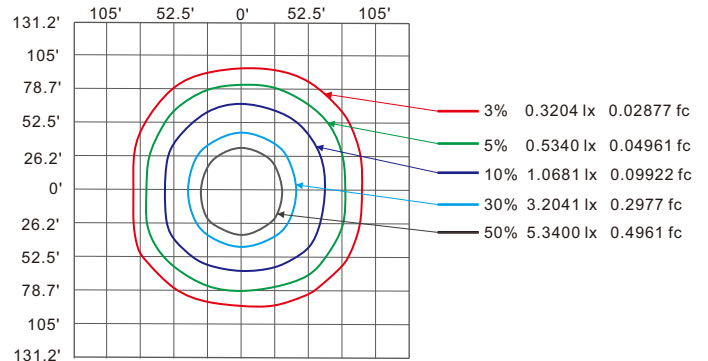
MOUNT HEIGHT 30' (10M)

MODEL# LT-PTB80  
Type V,  
80W, 7,581 lm (froty)  
81W, 9,209 lm (clear)

— V 0.0 DEG PLAN 162.2  
— H 0.0 DEG PLAN 165.0



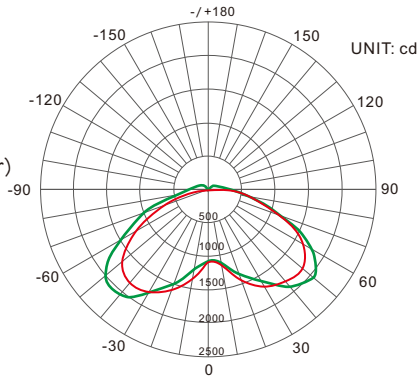
AVERAGE BEAM ANGLE (50%): 163.6 DEG.



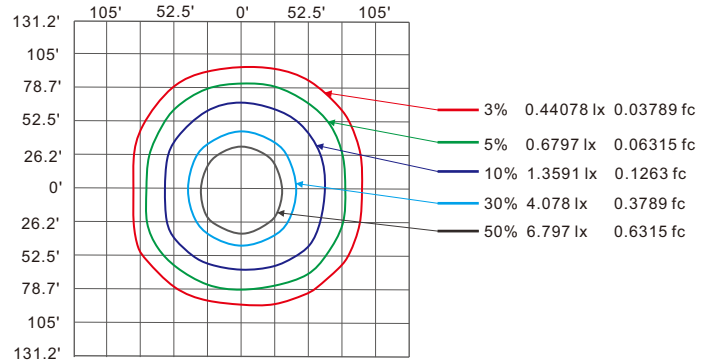
MOUNT HEIGHT 30' (10M)

MODEL# LT-PTB100  
Type V,  
103W, 9,647 lm (froty)  
101W, 11,340 lm (clear)

— V 0.0 DEG PLAN 162.2  
— H 0.0 DEG PLAN 165.0



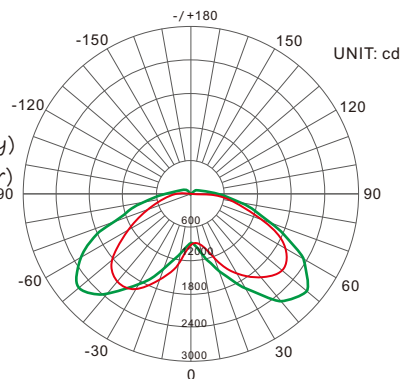
AVERAGE BEAM ANGLE (50%): 163.6 DEG.



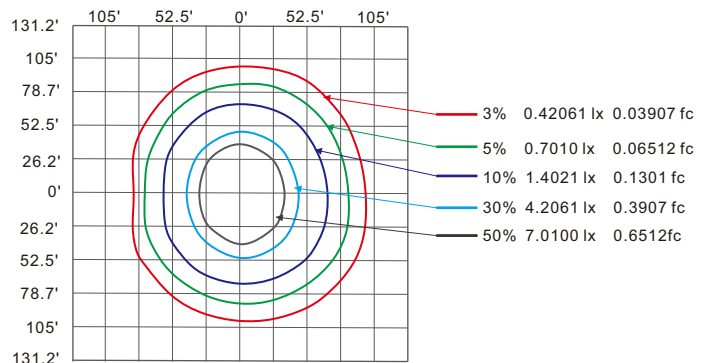
MOUNT HEIGHT 30' (10M)

MODEL# LT-PTB120  
Type V,  
120W, 11,154 lm (froty)  
121W, 13,489 lm (clear)

— V 0.0 DEG PLAN 171.5  
— H 0.0 DEG PLAN 178.4



AVERAGE BEAM ANGLE (50%): 175 DEG.



MOUNT HEIGHT 30' (10M)

# PTB

## LED POST TOP LIGHT (G3)

DLC QPL | Selectable CCT S & Wattage | Photocell | Motion Sensor

|          |      |
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### ACCESSORY

#### Photocell Optional



- Standard Three-Prong Twist Lock Photocell
- Automatically turn on and off, dusk to dawn
- DAYLIGHT (AMBIENT LIGHT THRESHOLD) ADJUSTABLE:  
10lux / 30lux / 50lux / 100lux / 150lux / 200lux / 300lux / Disable

#### CCT & Power Selectable Optional



3 different wattage and CCT settings in the field with two simple slide switches, such as 30W-50W-80W, 3000K-4000K-5000K.

This flexible choice capability allows for a cost-effective method to reduce stocking inventory by 88%.

#### Motion Sensor Optional

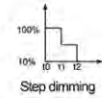
Remote Controller



ON/OFF function



Daylight harvesting



3-step dimming function

#### DAYLIGHT (ON/OFF)

- Stand-by period adjustable: 1min / 30min / 1h / infinity 0% / 20% / 30% / 50%
- Holding Time adjustable: 5s / 1min / 5min / 10min / 15min / 20min / 30min / 1h

### INSTALLATION

LED post light fixtures are installed on top of poles and have a Type III, Type IV, or Type V distribution that lights up the area around the pole. The prerequisite of the best outdoor area & site lighting needs to consider the distribution types and patterns imposed by the Illuminating Engineering Society of North America (IESNA). In order not to light with wrong direction after installed, below show correct light direction for type III, IV and V lenses.

