

# Evolve® LED Post Top

## Town & Country (EPTT)



Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Notes \_\_\_\_\_

The **Evolve®** LED Post Top Town & Country (EPTT) offers energy efficiency and quality of light in a classic look and style. The advanced LED optical system provides improved horizontal and vertical uniformity, reduced glare and improved lighting control.

### CONSTRUCTION

|                    |   |
|--------------------|---|
| <b>Housing:</b>    | Die-cast aluminum housing with traditional lantern design.<br>Cupola compatible with C136.41-2010 PE's, Shorting Caps and LightGrid Nodes |
| <b>Refractors:</b> | Acrylic, Polycarbonate, None/Open   |
| <b>Lens:</b>       | Impact resistant UV resistant polymer   |
| <b>Paint:</b>      | Corrosion resistant polyester powder paint, minimum 2.0 mil thickness<br>Standard = Black, Dark Bronze (RAL & custom colors available)    |
| <b>Weight:</b>     | 14 - 18 lbs (6.2 - 8 kg)  |

### OPTICAL SYSTEM

|                      |                            |
|----------------------|----------------------------|
| <b>Lumens:</b>       | 1,930-8,530                |
| <b>Distribution:</b> | Symmetric<br>Asymmetric    |
| <b>CCT:</b>          | 2700K, 3000K, 4000K, 5000K |
| <b>CRI (Min):</b>    | ≥70                        |

### ELECTRICAL

|                                   |                      |
|-----------------------------------|----------------------|
| <b>Input Voltage:</b>             | 120-277V             |
| <b>Input Frequency:</b>           | 50/60Hz              |
| <b>Power Factor:</b>              | ≥ 90% at rated watts |
| <b>Total Harmonic Distortion:</b> | ≤ 20% at rated watts |

### SURGE PROTECTION\*

| Standard                          | Optional   |
|-----------------------------------|--|
| <input type="checkbox"/> 10kV/5kA | <input type="checkbox"/> Secondary 10kV/5kA (R Option) |

\*Per ANSI C136.2-2015

### LUMEN MAINTENANCE

Projected Lxx per IES TM-21-11 at 25°C

| Distribution   | LXX(10K) @ Hours |           |           |
|----------------|------------------|-----------|-----------|
|                | 25,000 HR        | 50,000 HR | 60,000 HR |
| 02, 03         | L99              | L99       | L98       |
| 04, 05, 06, 07 | L96              | L91       | L89       |

Note: Projected Lxx based on LM80 (≥ 10,000 hour testing). Accepted industry tolerances apply to initial luminous flux and lumen maintenance measurements.

### AMBIENT TEMPERATURE FACTOR

| Ambient Temp (°C) | Initial Flux Factor | Ambient Temp (°C) | Initial Flux Factor |
|-------------------|---------------------|-------------------|---------------------|
| 10                | 1.02                | 30                | 0.99                |
| 20                | 1.01                | 40                | 0.98                |
| 25                | 1.00                | 50                | 0.97                |

### RATINGS

|                               |   |
|-------------------------------|---|
| <b>Operating Temperature:</b> | -40°C to 50°C (Optical Code 02-06)<br>-40°C to 40°C (Optical Code 07) |
| <b>Vibration:</b>             | 3G per ANSI C136.31-2010  |
| <b>LM-79:</b>                 | Testing in accordance with IES Standards                              |

### CONTROLS

|                 |   |   |
|-----------------|---|---|
| <b>Dimming:</b> | Standard - 0-10V <input type="checkbox"/>                     | Optional - DALI (Option U) <input type="checkbox"/> |
| <b>Sensors:</b> | Photo Electric Sensors (PE) available<br>LightGrid Compatible |   |

### WARRANTY

5 Year (Standard)  10 Year (Optional)



# Evolve® LED Post Top

## Town & Country (EPTT)

Catalog Logic

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Notes \_\_\_\_\_

### EPTT 02

| PROD. ID                                   | GEN | VOLTAGE     | OPTIC CODE | DISTRIBUTION   | REFRACTOR             | CCT                     | CONTROLS PER ANSI C136.41                              | MOUNTING         | COLOR              | OPTIONS                               |
|--|-----|-------------|------------|----------------|-----------------------|-------------------------|--|------------------|--------------------|---------------------------------------|
| <b>E = Evolve</b>                          | 02  | 0 = 120-277 | 02         | A = Symmetric  | A = Acrylic           | 27 = 2700K <sup>1</sup> | A = ANSI C136.41 7-Pin PE Receptacle <sup>2</sup>      | P = Pole Mounted | BLCK = Black       | L = Tool-Less Entry                   |
| <b>P = Post Top</b>                        |     |             | 03         | B = Asymmetric | P = Polycarbonate     | 30 = 3000K <sup>1</sup> | D = ANSI C136.41 7-Pin PE Receptacle w/ Shorting Cap   |                  | DKBZ = Dark Bronze | P06 = Prewire with 6 ft of 14/3 Cable |
| <b>TT = Town &amp; Country Traditional</b> |     |             | 04         |                | N = None <sup>1</sup> | 40 = 4000K              | E = ANSI C136.41 7-Pin PE Receptacle w/ non Dimming PE |                  |                    | R = Secondary 10kV/5kA                |
|  |     |             | 05         |                |                       | 50 = 5000K              |  |                  |                    | U = DALI Programmable <sup>2</sup>    |
|  |     |             | 06         |                |                       |                         |  |                  |                    | Y = Coastal Finish <sup>3</sup>       |
|  |     |             | 07         |                |                       |                         |  |                  |                    | XXX = Special Options                 |

<sup>1</sup> Select for IDA Approved Units

<sup>2</sup> Compatible with LightGrid Nodes

<sup>3</sup> Recommended for installations within 750 feet of coast. Lead time varies, check with factory.

# Evolve® LED Post Top

## Town & Country (EPTT)

### Spec Tables

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Notes \_\_\_\_\_

| LUMEN OUTPUT | DIST. CODE | DESCRIPTION | REFRACTOR CODE | TYPICAL INITIAL LUMENS |       |             | WATTAGE | BUG RATINGS |          |          |
|--------------|------------|-------------|----------------|------------------------|-------|-------------|---------|-------------|----------|----------|
|              |            |             |                | 2700K                  | 3000K | 4000K/5000K |         | 120-277V    | 2700K    | 3000K    |
| 02           | A          | Symmetric   | A              | 2600                   | 2810  | 2930        | 25      | B1-U3-G2    | B1-U3-G2 | B1-U3-G2 |
| 03           | A          | Symmetric   | A              | 3070                   | 3310  | 3450        | 29      | B2-U3-G2    | B2-U3-G2 | B2-U3-G2 |
| 04           | A          | Symmetric   | A              | 4230                   | 4560  | 4760        | 41      | B2-U3-G2    | B2-U3-G2 | B2-U3-G2 |
| 05           | A          | Symmetric   | A              | 5150                   | 5560  | 5790        | 50      | B2-U3-G3    | B2-U3-G3 | B2-U4-G3 |
| 06           | A          | Symmetric   | A              | 5710                   | 6160  | 6410        | 56      | B2-U4-G3    | B2-U4-G3 | B3-U4-G3 |
| 07           | A          | Symmetric   | A              | 6960                   | 7500  | 7820        | 72      | B3-U4-G3    | B3-U4-G3 | B3-U4-G3 |
| 02           | B          | Asymmetric  | A              | 2430                   | 2630  | 2730        | 25      | B1-U3-G2    | B1-U3-G2 | B1-U3-G2 |
| 03           | B          | Asymmetric  | A              | 2870                   | 3100  | 3220        | 29      | B1-U3-G2    | B1-U3-G2 | B1-U3-G2 |
| 04           | B          | Asymmetric  | A              | 3950                   | 4270  | 4440        | 41      | B1-U3-G3    | B1-U3-G3 | B1-U3-G3 |
| 05           | B          | Asymmetric  | A              | 4810                   | 5190  | 5410        | 50      | B1-U4-G3    | B2-U4-G3 | B2-U4-G3 |
| 06           | B          | Asymmetric  | A              | 5330                   | 5750  | 5990        | 56      | B2-U4-G3    | B2-U4-G3 | B2-U4-G3 |
| 07           | B          | Asymmetric  | A              | 6500                   | 7010  | 7300        | 72      | B2-U4-G3    | B2-U4-G3 | B2-U4-G3 |
| 02           | A          | Symmetric   | P              | 2770                   | 2230  | 2330        | 25      | B1-U3-G1    | B1-U3-G1 | B1-U3-G1 |
| 03           | A          | Symmetric   | P              | 2440                   | 2630  | 2740        | 29      | B1-U3-G1    | B1-U3-G2 | B1-U3-G2 |
| 04           | A          | Symmetric   | P              | 3370                   | 3630  | 3780        | 41      | B2-U3-G2    | B2-U3-G2 | B2-U3-G2 |
| 05           | A          | Symmetric   | P              | 4100                   | 4420  | 4600        | 50      | B2-U3-G2    | B2-U4-G2 | B2-U4-G2 |
| 06           | A          | Symmetric   | P              | 4540                   | 4900  | 5100        | 56      | B2-U4-G2    | B2-U4-G2 | B2-U4-G2 |
| 07           | A          | Symmetric   | P              | 5530                   | 5970  | 6220        | 72      | B2-U4-G3    | B2-U4-G3 | B3-U4-G3 |
| 02           | B          | Asymmetric  | P              | 1930                   | 2090  | 2170        | 25      | B1-U3-G2    | B1-U3-G1 | B1-U3-G2 |
| 03           | B          | Asymmetric  | P              | 2280                   | 2460  | 2560        | 29      | B1-U3-G2    | B1-U3-G2 | B1-U3-G2 |
| 04           | B          | Asymmetric  | P              | 3140                   | 3390  | 3530        | 41      | B1-U3-G2    | B1-U3-G2 | B1-U3-G2 |
| 05           | B          | Asymmetric  | P              | 3830                   | 4130  | 4300        | 50      | B1-U3-G2    | B1-U4-G3 | B1-U4-G3 |
| 06           | B          | Asymmetric  | P              | 4240                   | 4580  | 4770        | 56      | B1-U4-G3    | B1-U4-G3 | B2-U4-G3 |
| 07           | B          | Asymmetric  | P              | 5170                   | 5580  | 5810        | 72      | B2-U4-G3    | B2-U4-G3 | B2-U4-G3 |
| 02           | A          | Symmetric   | N              | 2840                   | 3070  | 3190        | 25      | B2-U0-G1    | B2-U0-G1 | B2-U0-G1 |
| 03           | A          | Symmetric   | N              | 3350                   | 3620  | 3770        | 29      | B2-U0-G1    | B2-U0-G1 | B2-U0-G1 |
| 04           | A          | Symmetric   | N              | 4620                   | 4980  | 5190        | 41      | B2-U0-G1    | B3-U0-G1 | B3-U0-G1 |
| 05           | A          | Symmetric   | N              | 5620                   | 6070  | 6320        | 50      | B3-U0-G1    | B3-U0-G1 | B3-U0-G1 |
| 06           | A          | Symmetric   | N              | 6230                   | 6720  | 7000        | 56      | B3-U0-G1    | B3-U0-G1 | B3-U0-G1 |
| 07           | A          | Symmetric   | N              | 7590                   | 8190  | 8530        | 72      | B3-U0-G1    | B3-U0-G1 | B3-U0-G1 |
| 02           | B          | Asymmetric  | N              | 2660                   | 2870  | 2980        | 25      | B1-U0-G1    | B1-U0-G1 | B1-U0-G1 |
| 03           | B          | Asymmetric  | N              | 3130                   | 3380  | 3520        | 29      | B1-U0-G1    | B1-U0-G1 | B1-U0-G1 |
| 04           | B          | Asymmetric  | N              | 4320                   | 4660  | 4850        | 41      | B1-U0-G1    | B1-U0-G1 | B1-U0-G2 |
| 05           | B          | Asymmetric  | N              | 5250                   | 5670  | 5900        | 50      | B1-U0-G2    | B1-U0-G2 | B1-U0-G2 |
| 06           | B          | Asymmetric  | N              | 5820                   | 6280  | 6540        | 56      | B1-U0-G2    | B1-U0-G2 | B2-U0-G2 |
| 07           | B          | Asymmetric  | N              | 7090                   | 7650  | 7970        | 72      | B2-U0-G2    | B2-U0-G2 | B2-U0-G2 |

For additional information on EPTT IES files, please click the following link:

[EPTT IES Files](#)

# Evolve® LED Post Top

## Town & Country (EPTT)

### Photometric Plots

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Notes \_\_\_\_\_

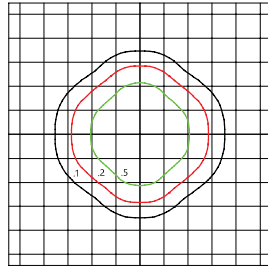
#### EPTT

Symmetric (Acrylic Refractor)

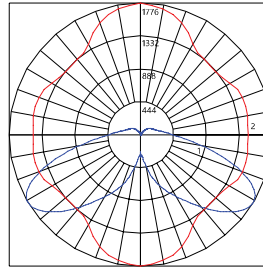
7,820 Lumens

5,000K

EPTT02\_07AA50\_-120-277V.IES



- Grid Distance in Units of Mounting Height at 16'
- Initial Footcandle Values at Grade



- Vertical plane through horizontal angle of Max. Cd at 90°
- Horizontal cone through vertical angle of Max. Cd at 58°

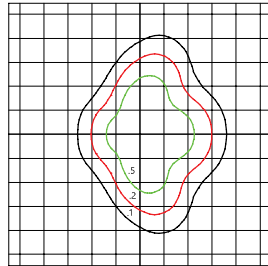
#### EPTT

Asymmetric (Acrylic Refractor)

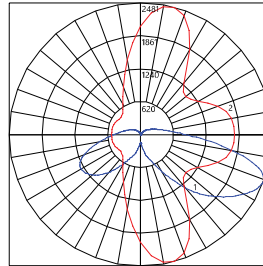
7,300 Lumens

5,000K

EPTT02\_07BA50\_-120-277V.IES



- Grid Distance in Units of Mounting Height at 16'
- Initial Footcandle Values at Grade



- Vertical plane through horizontal angle of Max. Cd at 75°
- Horizontal cone through vertical angle of Max. Cd at 69°

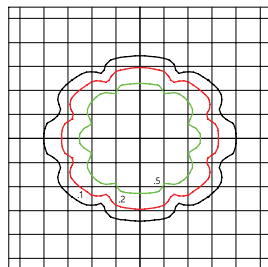
#### EPTT

Symmetric (No Refractor)

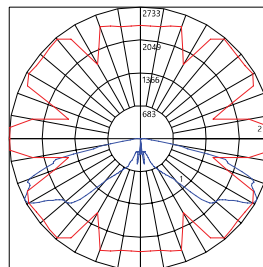
8,530 Lumens

5,000K

EPTT02\_07AN50\_-120-277V.IES



- Grid Distance in Units of Mounting Height at 16'
- Initial Footcandle Values at Grade



- Vertical plane through horizontal angle of Max. Cd at 5°
- Horizontal cone through vertical angle of Max. Cd at 62°

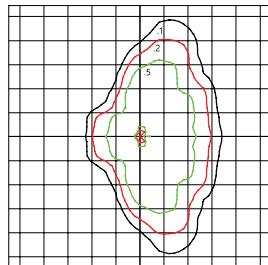
#### EPTT

Asymmetric (No Refractor)

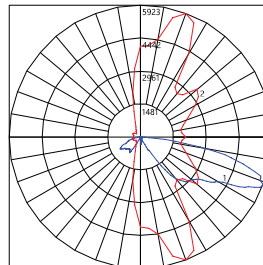
7,970 Lumens

5,000K

EPTT02\_07BN50\_-120-277V.IES



- Grid Distance in Units of Mounting Height at 16'
- Initial Footcandle Values at Grade



- Vertical plane through horizontal angle of Max. Cd at 70°
- Horizontal cone through vertical angle of Max. Cd at 68°

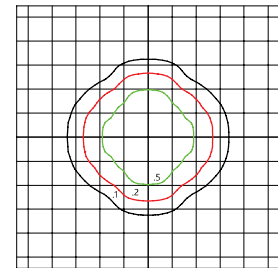
#### EPTT

Symmetric (Poly Refractor)

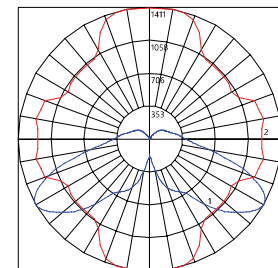
6,220 Lumens

5,000K

EPTT02\_07AP50\_-120-277V.IES



- Grid Distance in Units of Mounting Height at 16'
- Initial Footcandle Values at Grade



- Vertical plane through horizontal angle of Max. Cd at 80°
- Horizontal cone through vertical angle of Max. Cd at 60°

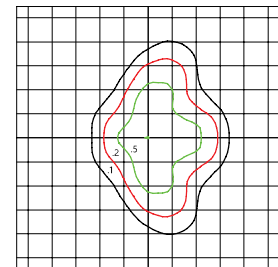
#### EPTT

Asymmetric (Poly Refractor)

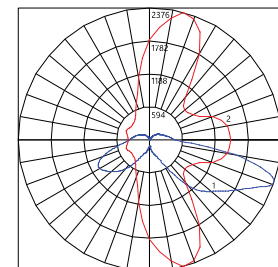
8,810 Lumens

5,000K

EPTT02\_07BP50\_-120-277V.IES



- Grid Distance in Units of Mounting Height at 16'
- Initial Footcandle Values at Grade



- Vertical plane through horizontal angle of Max. Cd at 75°
- Horizontal cone through vertical angle of Max. Cd at 71°

# Evolve® LED Post Top

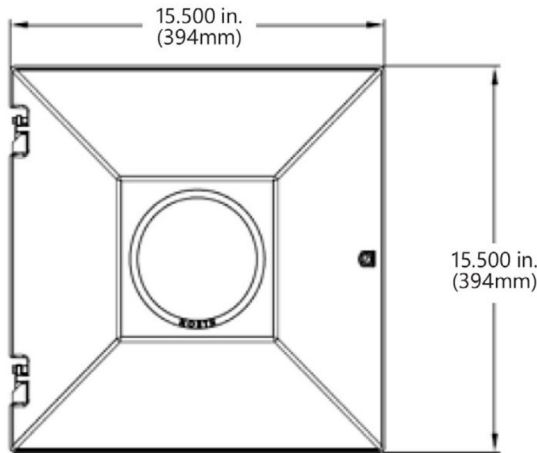
Town & Country (EPTT)

Mounting & Accessories

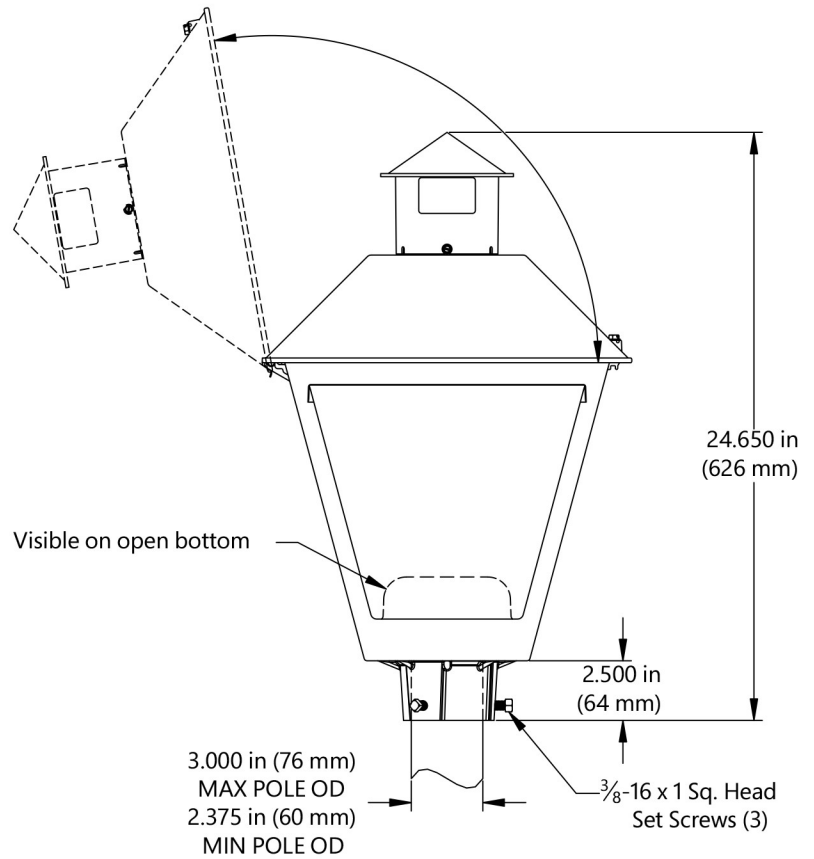
Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Notes \_\_\_\_\_



TOP VIEW



SIDE VIEW

## MOUNTING

- Mounts to 2-3/8 to 3-inch (60-76mm) OD vertical tenon
- Suggested Mounting Height = 8-18 ft. (2.5 - 5.5M)

## EFFECTIVE PROJECTED AREA

- 1.6 sq. ft. max (0.15 sq M max)

## WEIGHT

- 14 lbs (6.2 kgs) - 18 lbs (8 kgs)

## EPTT HOUSE SIDE SHIELDS

| Part Number | Description  |
|-------------|--|
| LSPX-TT     | Perforated Shield for Open Sided or Refractor Designs    |
| LSSX-TT     | Solid "Black" Shield for Open Sided or Refractor Designs |
| LR-TC       | Ladder Rest - Black                                      |

## NETWORK LIGHTING CONTROLS



Current's **LightGrid™** Outdoor Lighting Control System is designed for Street and Roadway Applications. It enables remote monitoring, control, and asset management of a single fixture or a group of fixtures through a web enabled Central Management System.