The Evolve® LED Town & Country Post Top 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. GE’s unique optical technology effectively aims the light where needed.

The Town & Country post top can yield up to a 60-percent reduction in system energy compared with standard HID systems, depending on applications. This reliable system operates well in cold temperatures and offers more than 20 years of service life, reducing maintenance frequency and expense, based on a rated 100,000 hour life and 12 hours of operation per day.

Product Features

Applications

• Roadway, site, area, and general lighting utilizing advanced LED optical system providing high uniformity, excellent vertical illuminance, reduced offsite visibility, and reduced on-site glare.

Housing

• Die-cast aluminum housing.
• Traditional lantern design.
• Cupola compatible with C136.10 PE’s and Shorting Caps and LightGrid 2.0 node.

LED & Optical Assembly

• Structured LED array for optimized Roadway/Walkway photometric distributions.
• Utilizes high brightness 2700K, 3000K, 4000K and 5000K LEDs at 70 CRI typical.
• LM-79 tests and reports are performed in accordance with IESNA standards.

Lumen Maintenance Tables

Projected Lxx per IES TM-21 at 25°C for reference:

<table>
<thead>
<tr>
<th>Lumen Output Codes</th>
<th>Lxx(10k)@25°C</th>
<th>Lxx(10k)@50°C</th>
<th>Lxx(10k)@60°C</th>
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<tbody>
<tr>
<td>02, 03, 04, 05</td>
<td>1.94</td>
<td>1.89</td>
<td>1.87</td>
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<tr>
<td>06</td>
<td>1.97</td>
<td>1.96</td>
<td>1.96</td>
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<tr>
<td>07</td>
<td>1.96</td>
<td>1.94</td>
<td>1.93</td>
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Note: Projected Lxx based on LM80 (10,000 hour testing). DOE Lighting Facts Verification Testing Tolerances apply to initial luminous flux and lumen maintenance measurements.

Lumen Ambient Temperature Factors:

<table>
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<tr>
<th>Ambient Temp (°C)</th>
<th>Initial Flux Factor</th>
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<tr>
<td>10</td>
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<tr>
<td>20</td>
<td>1.01</td>
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<td>40</td>
<td>0.98</td>
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<tr>
<td>45</td>
<td>0.97</td>
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</table>

Ratings

• Surge Protection: per ANSI C136.2-2015
  - 6kV/3kA “Basic: (40 Strikes)” – Standard (Driver Internal)
  - 10kV/5kA “Enhanced (40 Strikes)” – Secondary SPD, Option R
• Safety: UL/cUL Listed. UL1598 listed, suitable for wet locations
• Environmental: Compliant with the materials restrictions of RoHS
• EMI: Title 47 CFR Part 15 Class A
• Vibration: 3.0G per ANSI C136.41-2010
• Operating Temperature: -40°C to 50°C
  - LM-79 testing in accordance with IESNA Standards.
  - LED optical enclosure rated IP65 per ANSI C136.25-2009

Electrical

• Input Voltage: 120-277V
• Input Frequency: 50/60Hz
• Power Factor (PF)*: ≥90
• Total Harmonic Distortion (THD)*: ≤20%* System PF and THD specified at rated watts.

Mounting

• Mounts to 2-3/8 to 3-inch (60-76mm) OD vertical tenon.

Construction & Finish

• Housing: Die cast enclosure
• Corrosion resistant polyester powder paint, minimum 2.0 mil. thickness.
• Standard colors: Black & Dark Bronze.
• RAL & custom colors available.

Controls

• Dimming: Standard 0-10V; Optional DALI
• Sensors: Photo-electric sensors (PE) available
• Supports LightGrid via 7-Pin C136.41 socket

Accessories

• House Side Shields
• Ladder Rest

Warranty

• 5 Year Standard
• 10 Year Optional
### Ordering Number Logic

**Town & Country Post Top (EPTT)**

<table>
<thead>
<tr>
<th>FAMILY</th>
<th>GENERATION</th>
<th>VOLTAGE</th>
<th>LUMEN OUTPUT</th>
<th>DISTRIBUTION CODE</th>
<th>DESCRIPTION</th>
<th>INITIAL LUMENS</th>
<th>SYSTEM Wattage</th>
<th>BUG RATING</th>
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</table>

**LED Color Options**
- A = ANSI C136.41-7-pin dimming PE Socket
- D = ANSI C136.41 7-pin dimming PE Socket with Shorting Cap
- E = ANSI C136.41 7-pin dimming PE Socket with non-dimming PE

**Mounting Arm Options**
- P = Pole Mounted
- BLCK = Black

**Reflector Options**
- A = Acrylic
- B = Polycarbonate
- C = Symmetric HO
- D = Asymmetric HO

**Color Options**
- BLCK = Black

**Ratings**
- 5000K
- 4000K
- 3000K

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**Not DLC Listed**

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*Compatible with LightGrid 2.0 nodes*
Photometrics:
Town & Country Post Top (EPTT)

**EPTT**
120-277V
(05AA50)

5,730 Lumens
EPTT01_05AA50_-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 57°

**EPTT**
120-277V
(05BA50)

5,200 Lumens
EPTT01_05BA50_-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 68°

**EPTT**
120-277V
(05BN50)

6,300 Lumens
EPTT01_05BN50_-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 0°
- Horizontal cone through vertical angle of Max. Cd at 66°

**EPTT**
120-277V
(05BN50)

5,730 Lumens
EPTT01_05BN50_-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°
Product Dimensions
Town & Country Post Top (EPTT)

- Approximate Net Weight: 14-18 lbs (6.2-8 kgs)
- Suggested Mounting Height: 8-18 ft. (2.5-5.5 M)
- Effective Projected Area: 1.6 sq ft. max (0.15 sq M max)

EPTT - Accessories

- **LSPR-TT**
  Perforated Shield for A/P Refractor design

- **LSSR-TT**
  Solid Shield for A/P Refractor design

- **LSPN-TT**
  Perforated Shield “Bare Aluminum” for Open Sided design

- **LSSN-TT**
  Solid Shield “Black” for Open Sided design

- **LR-TC**
  Ladder Rest – Black