



**GE Evolve™**  
LED Post Top  
Town & Country™ (EPTT)



**current**  
powered by GE



## Product Features

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.

### 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 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:



LUMEN OUTPUT CODES	25,000 hr	50,000 hr	100,000 hr
03, 04, 05	L94	L90	L82
06	L97	L96	L94

**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:

Ambient Temp (°C)	Initial Flux Factor
10	1.02
20	1.01
25	1.00
30	0.99
40	0.98
45	0.97

### 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™ 2.0 via 7-Pin C136.41 socket

### Accessories

- House Side Shields
- Ladder Rest

### Warranty

- 5 Year Standard
- 10 Year Optional



# Ordering Number Logic

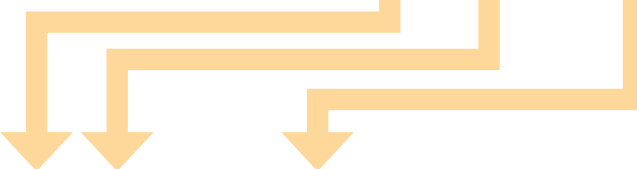
## Town & Country Post Top (EPTT)

**E P T T**      **0 1**      **0**      **---**      **---**      **---**      **---**      **---**      **---**      **P**      **---**      **---**

FAMILY	GENERATION	VOLTAGE	LUMEN OUTPUT	DIST. CODE	REFRACTOR	LED COLOR TEMP	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E = Evolve P = Post Top T = Town & Country T = Traditional	01 = 1st Gen	0 = 120-277		A = Symmetric B = Asymmetric C = Symmetric HO D = Asymmetric HO	A = Acrylic P = Polycarbonate N = None	27 = 2700K 30 = 3000K 40 = 4000K 50 = 5000K	A = ANSI C136.41 7-pin dimming PE Socket D = ANSI C136.41 7-pin dimming PE Socket w/Shorting Cap E = ANSI C136.41 7-pin dimming PE Socket w/non-dimming PE	P = Pole Mounted	DKBZ = Dark Bronze BLCK = Black	L = Latch Canopy P = Prewire with 6 Ft of 14/3 cable R = Secondary 10kV/5kA Surge Protection XXX = Special Options U = Dalí Programmable*

# Order Dimming/Control PE as a separate item.

\*Compatible with LightGrid 2.0 nodes



LUMEN OUTPUT	DISTRIBUTION CODE	DESCRIPTION	REFRACTOR CODE	TYPICAL INITIAL LUMENS			TYPICAL SYSTEM WATTAGE 120-277V	BUG RATING			IES FILE NAME				
				2700K	3000K	4000K/5000K		2700K	3000K	4000K/5000K	2700K	3000K	4000K	5000K	
02	A	Symmetric	A	2650	2730	2840	26	B1-U3-G2	B1-U3-G2	B1-U3-G2	EPTT01_02AA27_-120-277VIES	EPTT01_02AA30_-120-277VIES	EPTT01_02AA40_-120-277VIES	EPTT01_02AA50_-120-277VIES	
03	A	Symmetric	A	3100	3200	3320	30	B2-U3-G2	B2-U3-G2	B2-U3-G2	EPTT01_03AA27_-120-277VIES	EPTT01_03AA30_-120-277VIES	EPTT01_03AA40_-120-277VIES	EPTT01_03AA50_-120-277VIES	
04	A	Symmetric	A	4460	4600	4710	44	B2-U3-G2	B2-U3-G2	B2-U3-G2	EPTT01_04AA27_-120-277VIES	EPTT01_04AA30_-120-277VIES	EPTT01_04AA40_-120-277VIES	EPTT01_04AA50_-120-277VIES	
05	A	Symmetric	A	5480	5650	5730	56	B2-U3-G2	B2-U3-G3	B2-U3-G3	EPTT01_05AA27_-120-277VIES	EPTT01_05AA30_-120-277VIES	EPTT01_05AA40_-120-277VIES	EPTT01_05AA50_-120-277VIES	
06	C	Symmetric HO	A	5490	5680	5900	56	B2-U3-G2	B2-U3-G3	B3-U3-G3	EPTT01_06CA27_-120-277VIES	EPTT01_06CA30_-120-277VIES	EPTT01_06CA40_-120-277VIES	EPTT01_06CA50_-120-277VIES	
02	B	Asymmetric	A	2490	2560	2610	26	B1-U3-G2	B1-U3-G2	B1-U3-G2	EPTT01_02BA27_-120-277VIES	EPTT01_02BA30_-120-277VIES	EPTT01_02BA40_-120-277VIES	EPTT01_02BA50_-120-277VIES	
03	B	Asymmetric	A	2910	3000	3060	30	B1-U3-G2	B1-U3-G2	B1-U3-G2	EPTT01_03BA27_-120-277VIES	EPTT01_03BA30_-120-277VIES	EPTT01_03BA40_-120-277VIES	EPTT01_03BA50_-120-277VIES	
04	B	Asymmetric	A	3980	4100	4250	44	B1-U3-G3	B1-U3-G3	B1-U3-G3	EPTT01_04BA27_-120-277VIES	EPTT01_04BA30_-120-277VIES	EPTT01_04BA40_-120-277VIES	EPTT01_04BA50_-120-277VIES	
05	B	Asymmetric	A	4850	5000	5200	56	B2-U3-G3	B2-U3-G3	B2-U3-G3	EPTT01_05BA27_-120-277VIES	EPTT01_05BA30_-120-277VIES	EPTT01_05BA40_-120-277VIES	EPTT01_05BA50_-120-277VIES	
06	D	Asymmetric HO	A	5090	5300	5500	56	B2-U3-G3	B2-U3-G3	B2-U3-G3	EPTT01_06DA27_-120-277VIES	EPTT01_06DA30_-120-277VIES	EPTT01_06DA40_-120-277VIES	EPTT01_06DA50_-120-277VIES	
02	A	Symmetric	P	2080	2140	2200	26	B1-U3-G1	B1-U3-G1	B1-U3-G1	EPTT01_02AP27_-120-277VIES	EPTT01_02AP30_-120-277VIES	EPTT01_02AP40_-120-277VIES	EPTT01_02AP50_-120-277VIES	
03	A	Symmetric	P	2430	2500	2580	30	B1-U3-G1	B1-U3-G1	B1-U3-G1	EPTT01_03AP27_-120-277VIES	EPTT01_03AP30_-120-277VIES	EPTT01_03AP40_-120-277VIES	EPTT01_03AP50_-120-277VIES	
04	A	Symmetric	P	3490	3600	3740	44	B2-U3-G2	B2-U3-G2	B2-U3-G2	EPTT01_04AP27_-120-277VIES	EPTT01_04AP30_-120-277VIES	EPTT01_04AP40_-120-277VIES	EPTT01_04AP50_-120-277VIES	
05	A	Symmetric	P	4270	4400	4590	56	B2-U3-G2	B2-U3-G2	B2-U3-G2	EPTT01_05AP27_-120-277VIES	EPTT01_05AP30_-120-277VIES	EPTT01_05AP40_-120-277VIES	EPTT01_05AP50_-120-277VIES	
06	C	Symmetric HO	P	4300	4400	4670	56	B2-U3-G2	B2-U3-G2	B2-U3-G2	EPTT01_06CP27_-120-277VIES	EPTT01_06CP30_-120-277VIES	EPTT01_06CP40_-120-277VIES	EPTT01_06CP50_-120-277VIES	
02	B	Asymmetric	P	1900	1960	2000	26	B1-U3-G1	B1-U3-G1	B1-U3-G2	EPTT01_02BP27_-120-277VIES	EPTT01_02BP30_-120-277VIES	EPTT01_02BP40_-120-277VIES	EPTT01_02BP50_-120-277VIES	
03	B	Asymmetric	P	2230	2300	2340	30	B1-U3-G2	B1-U3-G2	B1-U3-G2	EPTT01_03BP27_-120-277VIES	EPTT01_03BP30_-120-277VIES	EPTT01_03BP40_-120-277VIES	EPTT01_03BP50_-120-277VIES	
04	B	Asymmetric	P	3200	3300	3380	44	B1-U3-G2	B1-U3-G2	B1-U3-G2	EPTT01_04BP27_-120-277VIES	EPTT01_04BP30_-120-277VIES	EPTT01_04BP40_-120-277VIES	EPTT01_04BP50_-120-277VIES	
05	B	Asymmetric	P	3880	4000	4170	56	B1-U3-G2	B1-U3-G2	B1-U3-G2	EPTT01_05BP27_-120-277VIES	EPTT01_05BP30_-120-277VIES	EPTT01_05BP40_-120-277VIES	EPTT01_05BP50_-120-277VIES	
06	D	Asymmetric HO	P	3940	4100	4330	56	B1-U3-G2	B1-U3-G2	B1-U3-G3	EPTT01_06DP27_-120-277VIES	EPTT01_06DP30_-120-277VIES	EPTT01_06DP40_-120-277VIES	EPTT01_06DP50_-120-277VIES	
02	A	Symmetric	N	2900	2990	3060	26	B2-U1-G1	B2-U1-G1	B2-U1-G1	EPTT01_02AN27_-120-277VIES	EPTT01_02AN30_-120-277VIES	EPTT01_02AN40_-120-277VIES	EPTT01_02AN50_-120-277VIES	
03	A	Symmetric	N	3400	3500	3580	30	B2-U1-G1	B2-U1-G1	B2-U2-G1	EPTT01_03AN27_-120-277VIES	EPTT01_03AN30_-120-277VIES	EPTT01_03AN40_-120-277VIES	EPTT01_03AN50_-120-277VIES	
04	A	Symmetric	N	4850	5000	5140	44	B2-U2-G1	B3-U2-G1	B3-U2-G1	EPTT01_04AN27_-120-277VIES	EPTT01_04AN30_-120-277VIES	EPTT01_04AN40_-120-277VIES	EPTT01_04AN50_-120-277VIES	
05	A	Symmetric	N	5920	6100	6300	56	B3-U2-G1	B3-U2-G1	B3-U2-G1	EPTT01_05AN27_-120-277VIES	EPTT01_05AN30_-120-277VIES	EPTT01_05AN40_-120-277VIES	EPTT01_05AN50_-120-277VIES	
06	C	Symmetric HO	N	5930	6180	6420	56	B3-U2-G1	B3-U2-G1	B3-U2-G1	EPTT01_06CN27_-120-277VIES	EPTT01_06CN30_-120-277VIES	EPTT01_06CN40_-120-277VIES	EPTT01_06CN50_-120-277VIES	
02	B	Asymmetric	N	2630	2720	2770	26	B1-U1-G1	B1-U1-G1	B1-U1-G1	EPTT01_02BN27_-120-277VIES	EPTT01_02BN30_-120-277VIES	EPTT01_02BN40_-120-277VIES	EPTT01_02BN50_-120-277VIES	
03	B	Asymmetric	N	3080	3180	3240	30	B1-U1-G1	B1-U1-G1	B1-U1-G1	EPTT01_03BN27_-120-277VIES	EPTT01_03BN30_-120-277VIES	EPTT01_03BN40_-120-277VIES	EPTT01_03BN50_-120-277VIES	
04	B	Asymmetric	N	4370	4500	4640	44	B1-U1-G2	B1-U1-G2	B1-U1-G2	EPTT01_04BN27_-120-277VIES	EPTT01_04BN30_-120-277VIES	EPTT01_04BN40_-120-277VIES	EPTT01_04BN50_-120-277VIES	
05	B	Asymmetric	N	5430	5600	5730	56	B1-U1-G2	B1-U2-G2	B1-U2-G2	EPTT01_05BN27_-120-277VIES	EPTT01_05BN30_-120-277VIES	EPTT01_05BN40_-120-277VIES	EPTT01_05BN50_-120-277VIES	
06	D	Asymmetric HO	N	5470	5700	5950	56	B1-U1-G2	B1-U2-G2	B1-U2-G2	EPTT01_06DN27_-120-277VIES	EPTT01_06DN30_-120-277VIES	EPTT01_06DN40_-120-277VIES	EPTT01_06DN50_-120-277VIES	

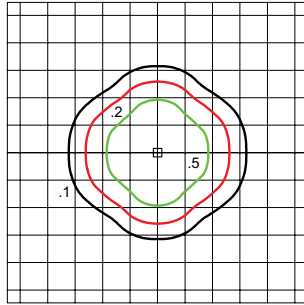
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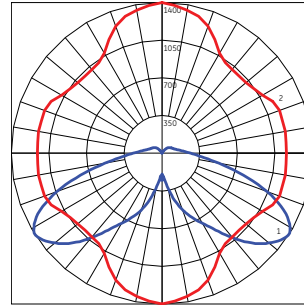
## Town & Country Post Top (EPTT)

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

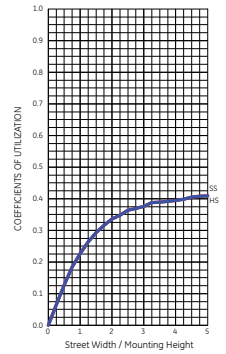
5,730 Lumens  
EPTT01\_05AA50\_  
-120-277V.IES



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

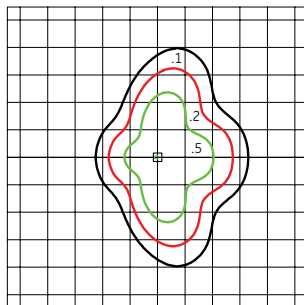


— Vertical plane through horizontal angle of Max. Cd at 90°  
— Horizontal cone through vertical angle of Max. Cd at 57°

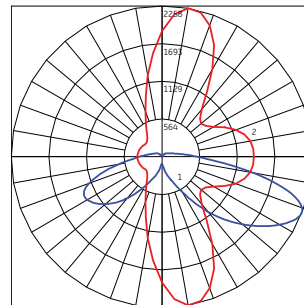


**EPTT**  
120-277V  
(05BA50)

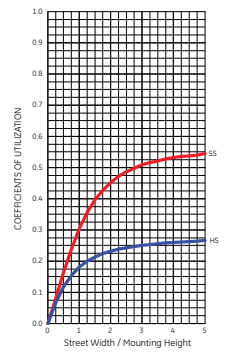
5,200 Lumens  
EPTT01\_05BA50\_  
-120-277V.IES



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

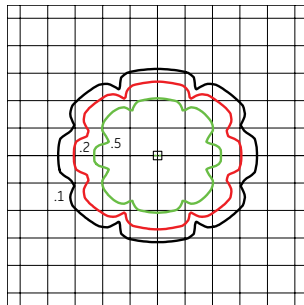


— Vertical plane through horizontal angle of Max. Cd at 80°  
— Horizontal cone through vertical angle of Max. Cd at 68°

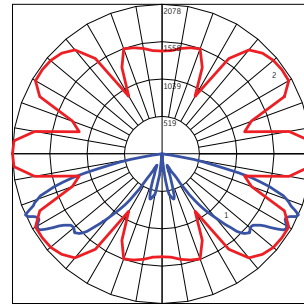


**EPTT**  
120-277V  
(05AN50)

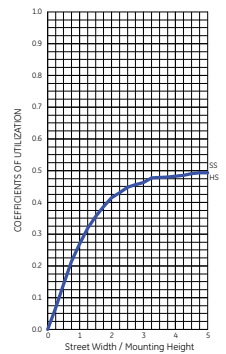
6,300 Lumens  
EPTT01\_05AN50\_  
-120-277V.IES



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

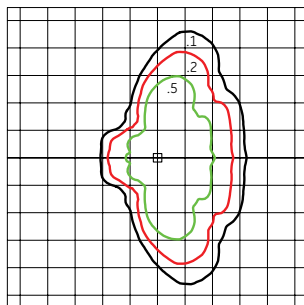


— Vertical plane through horizontal angle of Max. Cd at 0°  
— Horizontal cone through vertical angle of Max. Cd at 66°

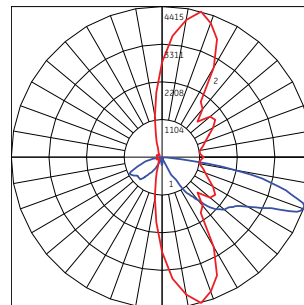


**EPTT**  
120-277V  
(05BN50)

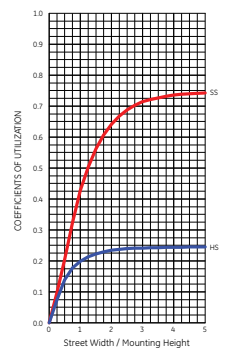
5,730 Lumens  
EPTT01\_05BN50\_  
-120-277V.IES



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

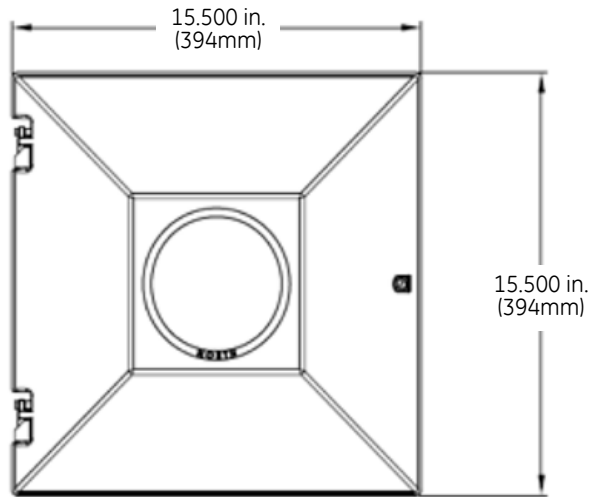


— Vertical plane through horizontal angle of Max. Cd at 75°  
— Horizontal cone through vertical angle of Max. Cd at 71°



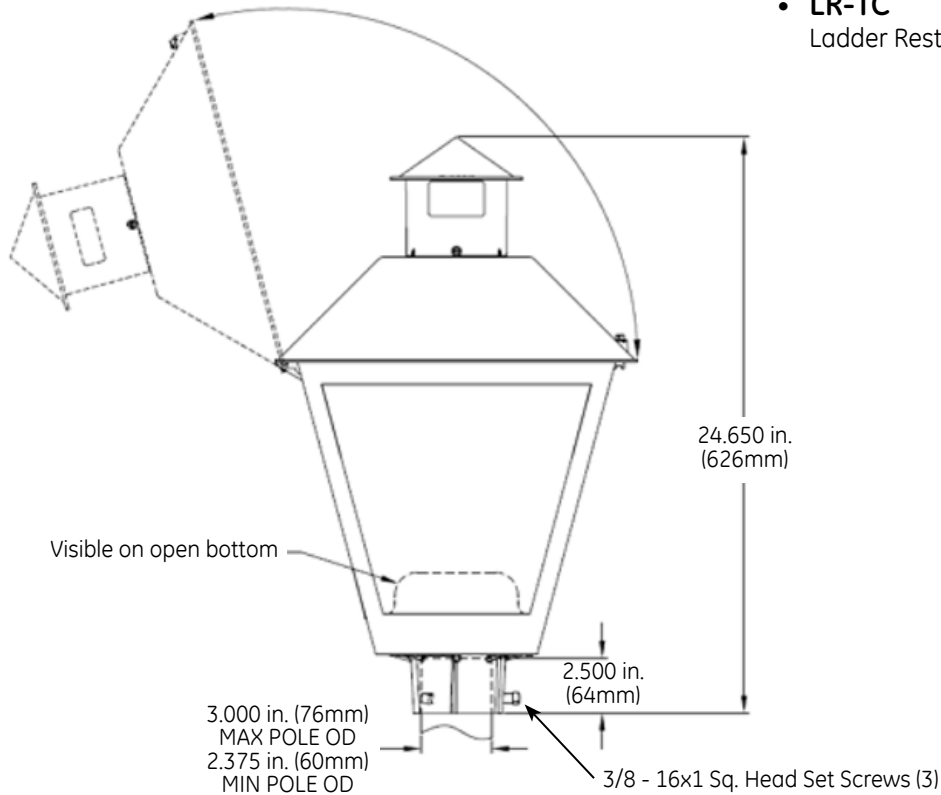
## Product Dimensions

### Town & Country Post Top (EPTT)



## 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



## DATA

- 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)

**current**  
powered by GE

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