

## Lantern EPLN Series LED Post Top Lighting



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

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

Notes \_\_\_\_\_

### GLI Brands Utility Roadway Representatives Exclusively

- Reliable, uniform, glare free illumination
- Types II, III, IV, V and custom distributions
- 3000K, 4000K, 5000K CCT
- 0-10V dimming ready

### CONSTRUCTION

|                 |                                                                        |
|-----------------|------------------------------------------------------------------------|
| <b>Housing:</b> | Aluminum 360 alloy                                                     |
| <b>Lens:</b>    | LED engine, TIR optics, gasket and bezel plate                         |
| <b>Paint:</b>   | Die Cast Aluminum, Black, Dark Bronze, RAL & Customer colors available |
| <b>Weight:</b>  | 35lbs. (15.9kg)                                                        |

### OPTICAL SYSTEM

|                      |                                                                           |
|----------------------|---------------------------------------------------------------------------|
| <b>Lumens:</b>       | 3,600 – 5,700                                                             |
| <b>Distribution:</b> | Type II, Type III, Type IV & Type V                                       |
| <b>Efficacy:</b>     | 29-125.5 LPW                                                              |
| <b>CCT:</b>          | 3000K, 4000K, & 5000K (2700K 80 CRI and 3500K 70 CRI are also configured) |
| <b>CRI (Min):</b>    | 70                                                                        |

### ELECTRICAL

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| <b>Input Voltage:</b>             | 120-277V                             |
| <b>Input Frequency:</b>           | 50/60Hz                              |
| <b>Power Factor:</b>              | >0.90 @ full load, 100V through 277V |
| <b>Total Harmonic Distortion:</b> | ≤ 20% @ full load                    |

### SURGE PROTECTION\*

| Standard | Optional  |
|----------|-----------|
| 10kV/5kA | 20kV/10kA |

\*Per ANSI C136.2-2015

### WARRANTY

☐ 5 Year (Standard) ☐ 10 Year (Optional)

### LUMEN MAINTENANCE

Projected Lxx per IES TM-21 at 25°C

| SKU         | LXX(10K) @ Hours |           |           |
|-------------|------------------|-----------|-----------|
|             | 25,000 HR        | 50,000 HR | 60,000 HR |
| <b>EPLN</b> | L94              | L91       | L90       |

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                |                   |                     |

### RATINGS

|                               |                        |
|-------------------------------|------------------------|
| <b>Operating Temperature:</b> | -30°C to 40°C          |
| <b>Vibration:</b>             | Available upon request |
| <b>LM-79:</b>                 | Available upon request |
| <b>EPA:</b>                   | 2.8                    |

### CONTROLS

|                 |                                                                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dimming:</b> | Standard - 0-10V                                                                                                                                                                        |
| <b>Sensors:</b> | Top of Fixture: Occupancy Sensor, On/Off control w/Photocell (optional), Occupancy Sensor, Programmable Control w/Photocell (optional), 3-pin ANSI C136.10 On/Off Receptacle (optional) |

## EPLN 01

| PROD. ID            | MOUNT TYPE          | VOLTAGE      | LUMEN OUTPUT                                                    | DISTRIBUTION | LENS               | CCT        | CONTROLS PER ANSI C136.41                                  | MOUNTING                           | COLOR              | OPTIONS                     |
|---------------------|---------------------|--------------|-----------------------------------------------------------------|--------------|--------------------|------------|------------------------------------------------------------|------------------------------------|--------------------|-----------------------------|
| <b>E = Evolve</b>   | 01 = Post Top Mount | 0 = 120-277V | 04 = 3875 - 5736<br>Clear Lens,<br>3610 - 5449<br>Diffused Lens | B = Type II  | CL = Clear Lens    | 30 = 3000K | 1 = None                                                   | PT5 = Post Top Adapter for 5" Pole | BLCK = Black       | R = Secondary 10kV/5kA SPD  |
| <b>P = Post Top</b> |                     |              |                                                                 | C = Type III | DL = Diffused Lens | 40 = 4000K | A = 7-Pin Receptacle                                       |                                    | DKBZ = Dark Bronze | T = Secondary 20kV/10kA SPD |
| <b>LN = Lantern</b> |                     |              |                                                                 | E = Type IV  |                    | 50 = 5000K | D = 7-Pin Receptacle with Shorting Cap                     |                                    |                    | XXX = Special Options       |
|                     |                     |              |                                                                 | F = Type V   |                    |            | E = 7 Pin Receptacle with Long Life non-Dimming PE Control |                                    |                    |                             |

## PERFORMANCE DATA (32 LEDS, 700 MA DRIVE CURRENT, 75 WATTS)

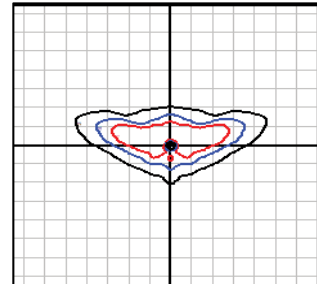
| REFRACTOR |      | TYPICAL INITIAL LUMENS |       |       | WATTAGE  | BUG RATINGS |          |          |
|-----------|------|------------------------|-------|-------|----------|-------------|----------|----------|
| DIST CODE | CODE | 3000K                  | 4000K | 5000K | 120-277V | 3000K       | 4000K    | 5000K    |
| B         | CL   | 4016                   | 5156  | 5427  | 75       | B1-U3-G2    | B2-U2-G3 | B2-U3-G3 |
| C         |      | 3875                   | 4975  | 5237  | 75       | B1-U3-G2    | B2-U3-G2 | B2-U3-G2 |
| E         |      | 4245                   | 5449  | 5736  | 75       | B1-U3-G2    | B1-U3-G3 | B1-U3-G3 |
| F         |      | 3809                   | 4945  | 5183  | 75       | B2-U2-G2    | B3-U3-G2 | B3-U3-G3 |
| B         | DL   | 3818                   | 4902  | 5160  | 75       | B1-U3-G3    | B2-U4-G3 | B2-U4-G3 |
| C         |      | 3674                   | 4716  | 4964  | 75       | B1-U3-G3    | B1-U4-G3 | B1-U4-G3 |
| E         |      | 4032                   | 5176  | 5449  | 75       | B1-U4-G3    | B1-U4-G3 | B1-U4-G3 |
| F         |      | 3610                   | 4685  | 4901  | 75       | B2-U3-G3    | B2-U4-G3 | B2-U4-G3 |

For additional information on EPLN IES files, please refer to [LED.com](http://LED.com)

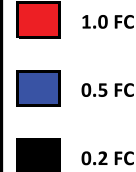
#### EPLN-01-0-04-B-40-CL

##### LUMINAIRE DATA

| Description      | 4000 Kelvin, 70CRI |
|------------------|--------------------|
| Delivered Lumens | 5902               |
| Watts            | 74.8               |
| Efficacy         | 79                 |
| IES Type         | II                 |
| BUG Rating       | B2-U3-G3           |
| Mounting Height  | 15 ft              |
| Grid Scale       | 15 ft              |



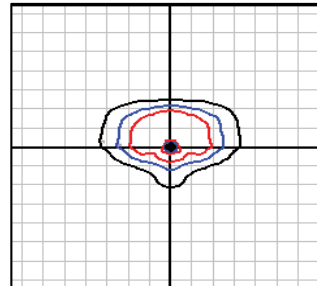
15' Mounting Height



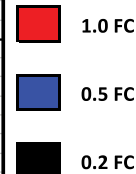
#### EPLN-01-0-04-C-40-CL

##### LUMINAIRE DATA

| Description      | 4000 Kelvin, 70CRI |
|------------------|--------------------|
| Delivered Lumens | 5696               |
| Watts            | 75                 |
| Efficacy         | 76                 |
| IES Type         | III                |
| BUG Rating       | B2-U3-G2           |
| Mounting Height  | 15 ft              |
| Grid Scale       | 15 ft              |



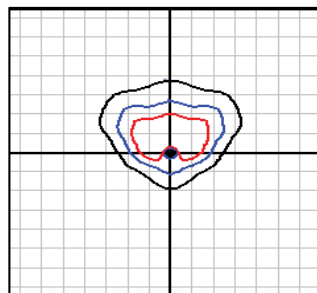
15' Mounting Height



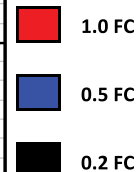
#### EPLN-01-0-04-E-40-CL

##### LUMINAIRE DATA

| Description      | 4000 Kelvin, 70CRI |
|------------------|--------------------|
| Delivered Lumens | 6238               |
| Watts            | 74                 |
| Efficacy         | 84                 |
| IES Type         | IV                 |
| BUG Rating       | B1-U3-G3           |
| Mounting Height  | 15 ft              |
| Grid Scale       | 15 ft              |



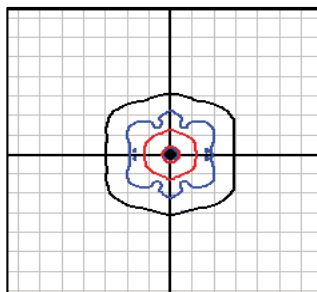
15' Mounting Height



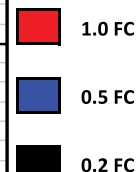
#### EPLN-01-0-04-F-40-CL

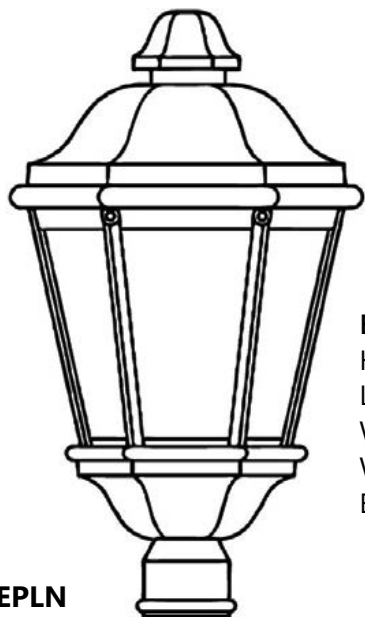
##### LUMINAIRE DATA

| Description      | 4000 Kelvin, 70CRI |
|------------------|--------------------|
| Delivered Lumens | 5637               |
| Watts            | 74.3               |
| Efficacy         | 76                 |
| IES Type         | VS                 |
| BUG Rating       | B3-U3-G3           |
| Mounting Height  | 15 ft              |
| Grid Scale       | 15 ft              |



15' Mounting Height





#### EPLN

HEIGHT: 31"/790mm

LENGTH: 18"/460mm

WIDTH: 18"/460mm

WEIGHT: 40 lbs.

EPA: 2.80