

CUSTOMER NAME \_\_\_\_\_  
 PROJECT NAME \_\_\_\_\_  
 DATE \_\_\_\_\_ TYPE \_\_\_\_\_  
 CATALOG NUMBER \_\_\_\_\_

## ERL2 Gen 7 Cobra Head

### LED Roadway Lighting

The Evolve® LED Roadway ERL2 Luminaire is optimized utilizing advanced LED reflective optical system for local, collector and major roadways. The modern design incorporates the heat sink directly into the unit for heat transfer to prolong LED life. The ERL2 is available with legacy NEMA/ANSI 7-Pin receptacle and/or Zhaga Book 18 receptacle for easy integration with asset management devices and sensors.



### Construction

|                 |   |
|-----------------|---|
| <b>Housing:</b> | Aluminum die cast enclosure<br>Standard Tool-less entry<br>Integral heat sink for maximum heat transfer   |
| <b>Lens:</b>    | Impact Resistant Tempered Glass<br>Visual Comfort Lens available  |
| <b>Paint:</b>   | Corrosion resistant polyester powder paint,<br>minimum 2.0 mil thickness<br>(RAL & custom colors available)<br>Standard = Gray, Black, and Dark Bronze<br>Optional = Coastal Finish |
| <b>Weight:</b>  | 24 lbs (10.9 kgs)   |

### Optical System

|                      |  |
|----------------------|--|
| <b>Lumens:</b>       | 16,000 - 37,000  |
| <b>Distribution:</b> | Type II Narrow, Type II Wide,<br>Type III, Type IV and Type II Enhanced Back light |
| <b>Efficacy:</b>     | 119-149 LPW  |
| <b>CCT:</b>          | 2700K, 3000K, 4000K  |
| <b>CRI (Min):</b>    | 70 CRI   |

### Electrical

|                                   |                             |
|-----------------------------------|-----------------------------|
| <b>Input Voltage (V):</b>         | 120-277, 347-480 or 277-480 |
| <b>Input Frequency (Hz):</b>      | 50/60Hz                     |
| <b>Power Factor:</b>              | ≥ 0.9 at rated watts        |
| <b>Total Harmonic Distortion:</b> | ≤ 20% at rated watts        |

### Electrical\*

| STANDARD  | OPTIONAL   |
|-----------|--|
| 10kV/5kA: | Secondary 10kV/5kA (R Option) or<br>Secondary 20kV/10kA (T Option) |

\*Per ANSI C136.2-2023



### Lumen Maintenance

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

| LUMEN CODES | LXX(≥10K) @ HOURS |           |           |            |
|-------------|-------------------|-----------|-----------|------------|
|             | 25,000 HR         | 50,000 HR | 75,000 HR | 100,000 HR |
| 16-19       | 97                | 95        | 94        | 90         |
| 20-23       | 97                | 95        | 94        | 90         |
| 24-27       | 96                | 93        | 92        | 87         |
| 28-29       | 95                | 91        | 90        | 84         |
| 30-32       | 98                | 97        | 97        | --         |
| 33-37       | 97                | 96        | 96        | --         |

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

### Ratings

|                        |   |
|------------------------|---|
| <b>Operating Temp:</b> | -40°C to 50°C                                   |
| <b>Vibration:</b>      | 3G per ANSI C136.2-2023                         |
| <b>LM-79:</b>          | Testing in accordance with IES Standards        |
| <b>EMI:</b>            | Title 47 CFR Part 15 Class A                    |
| <b>RoHS:</b>           | Complies with the material restrictions of RoHS |

### Controls


|                 |  |
|-----------------|--|
| <b>Dimming:</b> | Standard: 0-10V<br>Optional: DALI D4i (Option U4)  |
| <b>Sensors:</b> | Photo Electric Sensors (PE) available<br>LightGrid+™ Compatible<br>Zhaga Book 18 Sensor Compatible |

### Warranty

|                   |                    |
|-------------------|--------------------|
| 5 Year (Standard) | 10 Year (Optional) |
|-------------------|--------------------|

### Ordering Information

## ERL2

| PROD. ID        | VOLTAGE   | LUMEN CODE | DISTRIBUTION <sup>1</sup>        | CCT        | RECEPTACLES <sup>2</sup>                           | COLOR  | OPTIONS                                   |
|-----------------|---|------------|----------------------------------|------------|--|--|---|
| E = Evolve      | 0 = 120-277V <sup>6</sup>   | 16         | <b>Standard Glass</b>            | 27 = 2700K | <b>Top Only</b>                                    | GRAY = Gray  | A = 4 Bolt Slipfitter                     |
| R = Roadway     | H = 347-480V <sup>6</sup>   | 17         | A7 = Type II Narrow              | 30 = 3000K | 1 = Top: None                                      | BLCK = Black   | C1 = Captive Door                         |
| L = Local       | E = 277-480V <sup>6</sup>   | 18         | B7 = Type II                     | 40 = 4000K | A = Top: ANSI 7-Pin <sup>3,4</sup>                 | DKBZ = Dark Bronze   | F = Fusing <sup>6,7</sup>                 |
| 2 = Dual Module | <br><b>Select Single V ONLY if Fusing Selected</b> | 19         | C7 = Type III                    |            | D = Top: ANSI 7-Pin w/ Shrt Cap <sup>3,4</sup>     |  | G = Internal Bubble Level                 |
|                 |   | 20         | D7 = Type IV                     |            | E = Top: ANSI 7-Pin w/ Long Life PE <sup>3,4</sup> |  | I = IP66 Optical                          |
|                 |   | 21         | E7 = Type II Enhanced Back Light |            |  |  | R = 10kV/5kA Secondary SPD                |
|                 |   | 22         |                                  |            |  |  | T = 20kV/10kA Secondary SPD <sup>7</sup>  |
|                 |   | 23         | <b>Visual Comfort Lens</b>       |            |  | <b>Top &amp; Bottom</b>  | U4 = DALI D4i <sup>3,4,5,8</sup>          |
|                 |   | 24         | J7 = Type II Narrow              |            |  | G = Top : ANSI 7-Pin + Bottom: Zhaga Book 18 <sup>5</sup>                | V1 = Field Adjustable Module <sup>9</sup> |
|                 |   | 25         | K7 = Type II                     |            |  | H = Top : ANSI 7-pin w/Shrt Cap + Bottom: Zhaga Book 18 <sup>5</sup>     | Y = Coastal Finish <sup>9,10</sup>        |
|                 |   | 26         | L7 = Type III                    |            |  | J = Top: ANSI 7-Pin w/ Long Life PE + Bottom: Zhaga Book 18 <sup>5</sup> | XXX = Special Options                     |
|                 |   | 27         | M7 = Type IV                     |            |  | Z = Top: None + Bottom: Book 18 <sup>5</sup>                             |   |
|                 |   | 28         | N7 = Type II Enhanced Back Light |            |  |  |   |
|                 |   | 29         |                                  |            |  |  |   |
|                 |   | 30         |                                  |            |  |  |   |
|                 |   | 32         |                                  |            |  |  |   |
|                 |   | 34         |                                  |            |  |  |   |
| 36              |   |            |                                  |            |  |  |   |
| 37              |   |            |                                  |            |  |  |   |

- 1 Nominal IES Type classing subject to typical variation, individual units may differ, review IES files for individual sku typing.
- 2 7-Pin receptacle per ANSI C136.41 and/or 4-Pin receptacle per Zhaga Book 18.
- 3 7 Pin receptacle wired for 0-10V control unless Dali (U4) selected.
- 4 If U4 option is selected and A, D or E (7-Pin) receptacle option is selected, the D4i driver is configured with the DALI Integrated Power BUS enabled. Contact factory if DALI is desired with Integrated Power BUS disabled.
- 5 When ordering Zhaga Book 18 receptacle, Dali-D4i (Option U4) must be selected.
- 6 Fusing not available with multi-volt (0, H or E) Input Voltages.
- 7 Secondary 20kV SPD (Option T) may not be available with Fusing (Option F). Contact factory if required.
- 8 Field Adjustable Module (option V1) not available with Dali (Option U4).
- 9 Coastal Finish (option Y) is recommended for installations within 750 feet from coast. Lead time varies, check with factory.
- 10 Coastal Finish (option Y) with Zhaga Book 18 Receptacle on the door (RECEPTACLE=G, H, J, Z) may have extended lead time.

### Suggested HID Replacement

Approximately 21,500-37,000 lumens to replace 400W HPS Cobra-head

Note: Actual replacement lumens may vary based upon mounting height, pole spacing, design criteria, etc.

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| LUMEN CODE | DISTRIBUTION | TYPICAL INITIAL LUMENS |       |       | TYPICAL WATTAGE | LPW* | BUG RATINGS |          |          |
|------------|--------------|------------------------|-------|-------|-----------------|------|-------------|----------|----------|
|            |              | 4000K                  | 3000K | 2700K |                 |      | 4000K       | 3000K    | 2700K    |
| 16         | A7           | 16000                  | 15300 | 14200 | 109             | 149  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | B7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B2-U0-G2 |
|            | C7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | D7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G2 | B2-U0-G2 |
|            | E7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | J7           | 14880                  | 14229 | 13206 |                 | 139  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | K7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B2-U0-G2 |
|            | L7           |                        |       |       |                 |      | B3-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | M7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | N7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
| 17         | A7           | 17000                  | 16300 | 15100 | 117             | 147  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | B7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | C7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | D7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G2 |
|            | E7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | J7           | 15810                  | 15159 | 14043 |                 | 137  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | K7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | L7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B2-U0-G3 |
|            | M7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | N7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
| 18         | A7           | 18000                  | 17300 | 16000 | 125             | 146  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | B7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | C7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B2-U0-G3 |
|            | D7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | E7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | J7           | 16740                  | 16089 | 14880 |                 | 136  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | K7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | L7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | M7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | N7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
| 19         | A7           | 19000                  | 18200 | 16900 | 133             | 144  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | B7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | C7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B2-U0-G3 |
|            | D7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | E7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | J7           | 17670                  | 16926 | 15717 |                 | 134  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | K7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | L7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | M7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | N7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |

\* LPW based on 120-277 V, 0-10 V dimming, & 4000K CCT (utilizing non-rounded lumens & watts)

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|------------|--------------|------------------------|-------|-------|-----------------|------|-------------|----------|----------|
|            |              | 4000K                  | 3000K | 2700K |                 |      | 4000K       | 3000K    | 2700K    |
| 20         | A7           | 20000                  | 19200 | 17800 | 141             | 142  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | B7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | C7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | D7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | E7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | J7           | 18600                  | 17856 | 16554 |                 | 132  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | K7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | L7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | M7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | N7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
| 21         | A7           | 21000                  | 20100 | 18700 | 150             | 140  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | B7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | C7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | D7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | E7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | J7           | 19530                  | 18693 | 17391 |                 | 130  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | K7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | L7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | M7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | N7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
| 22         | A7           | 22000                  | 21100 | 19600 | 160             | 138  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | B7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | C7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | D7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | E7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | J7           | 20460                  | 19623 | 18228 |                 | 128  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | K7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | L7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | M7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | N7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
| 23         | A7           | 23000                  | 22100 | 20500 | 169             | 136  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | B7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | C7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G3 |
|            | D7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | E7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | J7           | 21390                  | 20553 | 19065 |                 | 126  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | K7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | L7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | M7           |                        |       |       |                 |      | B2-U0-G3    | B2-U0-G3 | B2-U0-G3 |
|            | N7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |

\* LPW based on 120-277 V, 0-10 V dimming, & 4000K CCT (utilizing non-rounded lumens & watts)

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|------------|--------------|------------------------|----------|----------|-----------------|----------|-------------|----------|----------|-----|----------|----------|----------|
|            |              | 4000K                  | 3000K    | 2700K    |                 |          | 4000K       | 3000K    | 2700K    |     |          |          |          |
| 24         | A7           | 24000                  | 23000    | 21300    | 179             | 134      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |     |          |          |          |
|            | B7           |                        |          |          |                 |          | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |     |          |          |          |
|            | C7           |                        |          |          |                 |          | B3-U0-G4    | B3-U0-G4 | B3-U0-G3 |     |          |          |          |
|            | D7           |                        |          |          |                 |          | B2-U0-G4    | B2-U0-G3 | B2-U0-G3 |     |          |          |          |
|            | E7           |                        |          |          |                 |          | B4-U0-G4    | B3-U0-G3 | B3-U0-G3 |     |          |          |          |
|            | J7           | B3-U0-G3               | B3-U0-G3 | B3-U0-G3 |                 |          |             |          |          |     |          |          |          |
|            | K7           | B3-U0-G3               | B3-U0-G3 | B3-U0-G3 |                 |          |             |          |          |     |          |          |          |
|            | L7           | 22320                  | 21390    | 19809    |                 | 125      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |     |          |          |          |
|            | M7           |                        |          |          |                 |          | B3-U0-G3    | B2-U0-G3 | B2-U0-G3 |     |          |          |          |
|            | N7           |                        |          |          |                 |          | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |     |          |          |          |
| 25         | A7           |                        |          |          | 25000           |          | 24000       | 22200    | 189      | 132 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 |
|            | B7           |                        |          |          |                 |          |             |          |          |     | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 |
|            | C7           | B3-U0-G4               | B3-U0-G4 | B3-U0-G4 |                 |          |             |          |          |     |          |          |          |
|            | D7           | B2-U0-G4               | B2-U0-G4 | B2-U0-G3 |                 |          |             |          |          |     |          |          |          |
|            | E7           | B4-U0-G4               | B4-U0-G4 | B3-U0-G3 |                 |          |             |          |          |     |          |          |          |
|            | J7           | B3-U0-G3               | B3-U0-G3 | B3-U0-G3 |                 |          |             |          |          |     |          |          |          |
|            | K7           | B3-U0-G3               | B3-U0-G3 | B3-U0-G3 |                 |          |             |          |          |     |          |          |          |
|            | L7           | 23250                  | 22320    | 20646    | 123             | B3-U0-G3 | B3-U0-G3    | B3-U0-G3 |          |     |          |          |          |
|            | M7           |                        |          |          |                 | B3-U0-G3 | B3-U0-G3    | B2-U0-G3 |          |     |          |          |          |
|            | N7           |                        |          |          |                 | B3-U0-G3 | B3-U0-G3    | B3-U0-G3 |          |     |          |          |          |
| 26         | A7           |                        |          |          |                 | 26000    | 25000       | 23100    | 199      | 130 | B4-U0-G4 | B3-U0-G3 | B3-U0-G3 |
|            | B7           |                        |          |          |                 |          |             |          |          |     | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 |
|            | C7           | B3-U0-G4               | B3-U0-G4 | B3-U0-G4 |                 |          |             |          |          |     |          |          |          |
|            | D7           | B2-U0-G4               | B2-U0-G4 | B2-U0-G3 |                 |          |             |          |          |     |          |          |          |
|            | E7           | B4-U0-G4               | B4-U0-G4 | B3-U0-G3 |                 |          |             |          |          |     |          |          |          |
|            | J7           | B3-U0-G3               | B3-U0-G3 | B3-U0-G3 |                 |          |             |          |          |     |          |          |          |
|            | K7           | B3-U0-G3               | B3-U0-G3 | B3-U0-G3 |                 |          |             |          |          |     |          |          |          |
|            | L7           | 24180                  | 23250    | 21483    | 121             | B3-U0-G3 | B3-U0-G3    | B3-U0-G3 |          |     |          |          |          |
|            | M7           |                        |          |          |                 | B3-U0-G3 | B3-U0-G3    | B2-U0-G3 |          |     |          |          |          |
|            | N7           |                        |          |          |                 | B3-U0-G3 | B3-U0-G3    | B3-U0-G3 |          |     |          |          |          |
| 27         | A7           |                        |          |          |                 | 27000    | 26000       | 24000    | 210      | 130 | B4-U0-G4 | B4-U0-G4 | B3-U0-G3 |
|            | B7           |                        |          |          |                 |          |             |          |          |     | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 |
|            | C7           | B3-U0-G4               | B3-U0-G4 | B3-U0-G4 |                 |          |             |          |          |     |          |          |          |
|            | D7           | B2-U0-G4               | B2-U0-G4 | B2-U0-G4 |                 |          |             |          |          |     |          |          |          |
|            | E7           | B4-U0-G4               | B4-U0-G4 | B4-U0-G4 |                 |          |             |          |          |     |          |          |          |
|            | J7           | B3-U0-G3               | B3-U0-G3 | B3-U0-G3 |                 |          |             |          |          |     |          |          |          |
|            | K7           | B3-U0-G3               | B3-U0-G3 | B3-U0-G3 |                 |          |             |          |          |     |          |          |          |
|            | L7           | 25110                  | 24180    | 22320    | 121             | B3-U0-G3 | B3-U0-G3    | B3-U0-G3 |          |     |          |          |          |
|            | M7           |                        |          |          |                 | B3-U0-G3 | B3-U0-G3    | B3-U0-G3 |          |     |          |          |          |
|            | N7           |                        |          |          |                 | B3-U0-G3 | B3-U0-G3    | B3-U0-G3 |          |     |          |          |          |

\* LPW based on 120-277 V, 0-10 V dimming, & 4000K CCT (utilizing non-rounded lumens & watts)

CUSTOMER NAME \_\_\_\_\_

PROJECT NAME \_\_\_\_\_

DATE \_\_\_\_\_ TYPE \_\_\_\_\_

CATALOG NUMBER \_\_\_\_\_

| LUMEN CODE | DISTRIBUTION | TYPICAL INITIAL LUMENS |       |       | TYPICAL WATTAGE | LPW* | BUG RATINGS |          |          |
|------------|--------------|------------------------|-------|-------|-----------------|------|-------------|----------|----------|
|            |              | 4000K                  | 3000K | 2700K |                 |      | 4000K       | 3000K    | 2700K    |
| 28         | A7           | 28000                  | 26900 | 24900 | 220             | 128  | B4-U0-G4    | B4-U0-G4 | B3-U0-G3 |
|            | B7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G3 | B3-U0-G3 |
|            | C7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | D7           |                        |       |       |                 |      | B3-U0-G4    | B2-U0-G4 | B2-U0-G4 |
|            | E7           |                        |       |       |                 |      | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |
|            | J7           | 26040                  | 25017 | 23157 |                 | 119  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | K7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | L7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G3 | B3-U0-G3 |
|            | M7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | N7           |                        |       |       |                 |      | B4-U0-G3    | B3-U0-G3 | B3-U0-G3 |
| 29         | A7           | 29000                  | 27800 | 25800 | 229             | 126  | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |
|            | B7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G3 |
|            | C7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | D7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B2-U0-G4 |
|            | E7           |                        |       |       |                 |      | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |
|            | J7           | 26970                  | 25854 | 23994 |                 | 117  | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | K7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | L7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G3 |
|            | M7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | N7           |                        |       |       |                 |      | B4-U0-G4    | B4-U0-G3 | B3-U0-G3 |
| 30         | A7           | 30000                  | 28800 | 27900 | 232             | 132  | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |
|            | B7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G3 |
|            | C7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | D7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | E7           |                        |       |       |                 |      | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |
|            | J7           | 27900                  | 26784 | 25947 |                 | 123  | B4-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | K7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | L7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | M7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G3 | B3-U0-G3 |
|            | N7           |                        |       |       |                 |      | B4-U0-G4    | B4-U0-G4 | B4-U0-G3 |
| 32         | A7           | 32000                  | 30700 | 29700 | 248             | 133  | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |
|            | B7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | C7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | D7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | E7           |                        |       |       |                 |      | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |
|            | J7           | 29760                  | 28551 | 27621 |                 | 124  | B4-U0-G3    | B4-U0-G3 | B3-U0-G3 |
|            | K7           |                        |       |       |                 |      | B3-U0-G3    | B3-U0-G3 | B3-U0-G3 |
|            | L7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | M7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G3 |
|            | N7           |                        |       |       |                 |      | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |

\* LPW based on 120-277 V, 0-10 V dimming, & 4000K CCT (utilizing non-rounded lumens & watts)

CUSTOMER NAME \_\_\_\_\_

PROJECT NAME \_\_\_\_\_

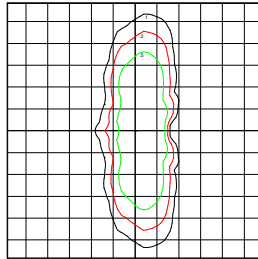
DATE \_\_\_\_\_ TYPE \_\_\_\_\_

CATALOG NUMBER \_\_\_\_\_

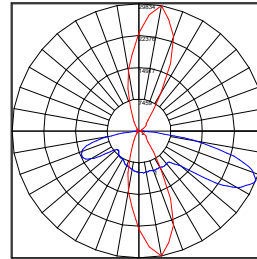
| LUMEN CODE | DISTRIBUTION | TYPICAL INITIAL LUMENS |       |       | TYPICAL WATTAGE | LPW* | BUG RATINGS |          |          |
|------------|--------------|------------------------|-------|-------|-----------------|------|-------------|----------|----------|
|            |              | 4000K                  | 3000K | 2700K |                 |      | 4000K       | 3000K    | 2700K    |
| 34         | A7           | 34000                  | 32600 | 31600 | 268             | 131  | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |
|            | B7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | C7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | D7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | E7           |                        |       |       |                 |      | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |
|            | J7           | 31620                  | 30318 | 29388 |                 | 122  | B4-U0-G3    | B4-U0-G3 | B4-U0-G3 |
|            | K7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G3 |
|            | L7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | M7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | N7           |                        |       |       |                 |      | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |
| 36         | A7           | 36000                  | 34500 | 33500 | 286             | 129  | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |
|            | B7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | C7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | D7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | E7           |                        |       |       |                 |      | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |
|            | J7           | 33480                  | 32085 | 31155 |                 | 120  | B4-U0-G4    | B4-U0-G3 | B4-U0-G3 |
|            | K7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | L7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | M7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | N7           |                        |       |       |                 |      | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |
| 37         | A7           | 37000                  | 35500 | 34400 | 293             | 128  | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |
|            | B7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | C7           |                        |       |       |                 |      | B3-U0-G5    | B3-U0-G4 | B3-U0-G4 |
|            | D7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | E7           |                        |       |       |                 |      | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |
|            | J7           | 34410                  | 33015 | 31992 |                 | 119  | B4-U0-G4    | B4-U0-G4 | B4-U0-G3 |
|            | K7           |                        |       |       |                 |      | B4-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | L7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | M7           |                        |       |       |                 |      | B3-U0-G4    | B3-U0-G4 | B3-U0-G4 |
|            | N7           |                        |       |       |                 |      | B4-U0-G4    | B4-U0-G4 | B4-U0-G4 |

\* LPW based on 120-277 V, 0-10 V dimming, & 4000K CCT (utilizing non-rounded lumens & watts)

**ERL2**  
**Type II Narrow**  
  
37,000 Lumens  
4000K  
ERL2\_37A740\_...IES

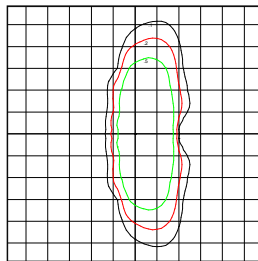


- Mounting Height at 30'
- Initial Footcandle at Grade

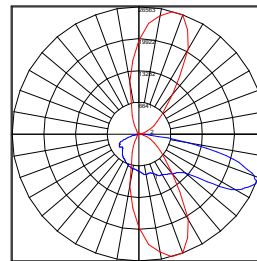


- Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)
- Horizontal Cone Through Vertical Angle (67) (Through Max. Cd.)

**ERL2**  
**Type II**  
  
37,000 Lumens  
4000K  
ERL2\_37B740\_...IES

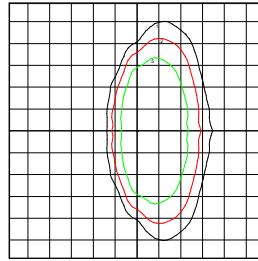


- Mounting Height at 30'
- Initial Footcandle at Grade

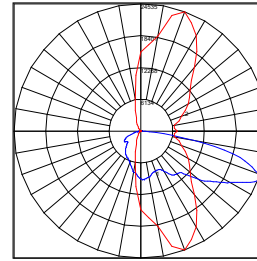


- Vertical Plane Through Horizontal Angles (70 - 250) (Through Max. Cd.)
- Horizontal Cone Through Vertical Angle (67) (Through Max. Cd.)

**ERL2**  
**Type III**  
  
37,000 Lumens  
4000K  
ERL2\_37C740\_...IES

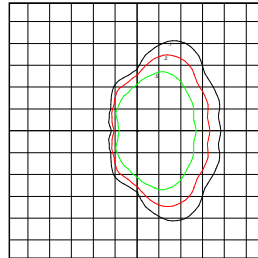


- Mounting Height at 30'
- Initial Footcandle at Grade

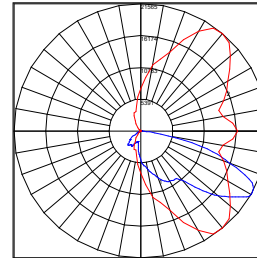


- Vertical Plane Through Horizontal Angles (70 - 250) (Through Max. Cd.)
- Horizontal Cone Through Vertical Angle (68) (Through Max. Cd.)

**ERL2**  
**Type IV Short**  
  
37,000 Lumens  
4000K  
ERL2\_37D740\_...IES

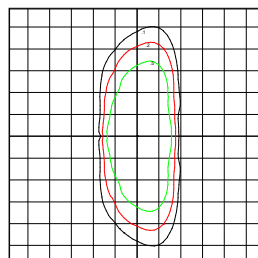


- Mounting Height at 30'
- Initial Footcandle at Grade

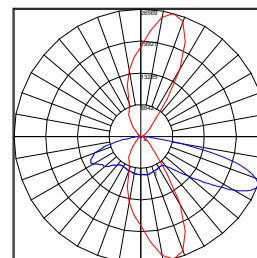


- Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)
- Horizontal Cone Through Vertical Angle (61) (Through Max. Cd.)

**ERL2**  
**Type II**  
**Enhanced Backlight**  
  
37,000 Lumens  
4000K  
ERL2\_37E740\_...IES



- Mounting Height at 30'
- Initial Footcandle at Grade

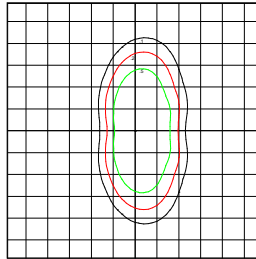


- Vertical Plane Through Horizontal Angles (75 - 255) (Through Max. Cd.)
- Horizontal Cone Through Vertical Angle (67) (Through Max. Cd.)

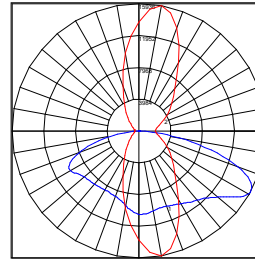
ISO illuminate diagrams and polar plots are representative of the SKUs illustrated. Refer to IES files for SKU specific information.



**ERL2**  
**Type II Narrow**  
**Visual Comfort Lens**  
37,000 Lumens  
4000K  
ERL2\_37J740\_...IES

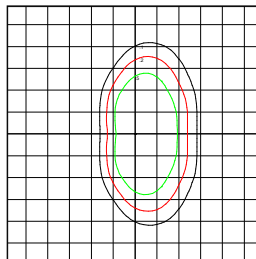


- Mounting Height at 30'
- Initial Footcandle at Grade

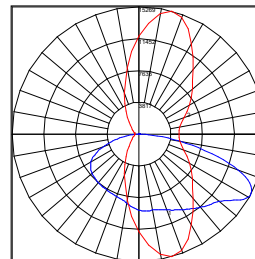


- Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)
- Horizontal Cone Through Vertical Angle (62) (Through Max. Cd.)

**ERL2**  
**Type II**  
**Visual Comfort Lens**  
37,000 Lumens  
4000K  
ERL2\_37K40\_...IES

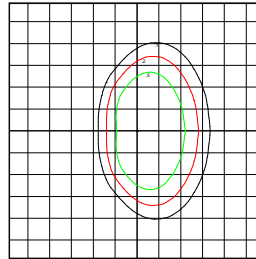


- Mounting Height at 30'
- Initial Footcandle at Grade

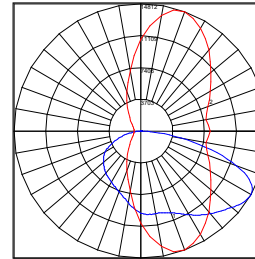


- Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)
- Horizontal Cone Through Vertical Angle (67) (Through Max. Cd.)

**ERL2**  
**Type III**  
**Visual Comfort Lens**  
37,000 Lumens  
4000K  
ERL2\_37L740\_...IES

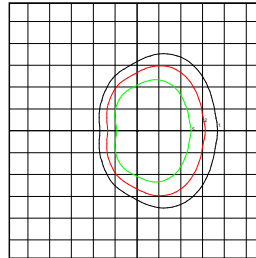


- Mounting Height at 30'
- Initial Footcandle at Grade

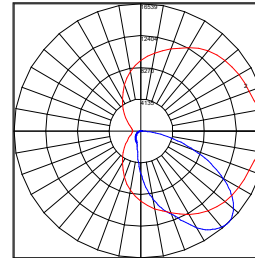


- Vertical Plane Through Horizontal Angles (70 - 250) (Through Max. Cd.)
- Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

**ERL2**  
**Type IV Short**  
**Visual Comfort Lens**  
37,000 Lumens  
4000K  
ERL2\_37M740\_...IES

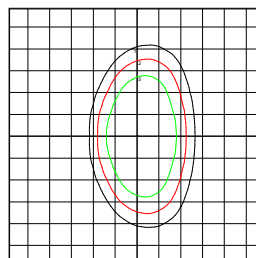


- Mounting Height at 30'
- Initial Footcandle at Grade

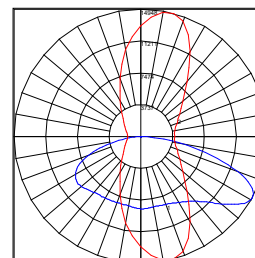


- Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
- Horizontal Cone Through Vertical Angle (43) (Through Max. Cd.)

**ERL2**  
**Type II -EB**  
**Enhanced Backlight**  
37,000 Lumens  
4000K  
ERL2\_37N740\_...IES



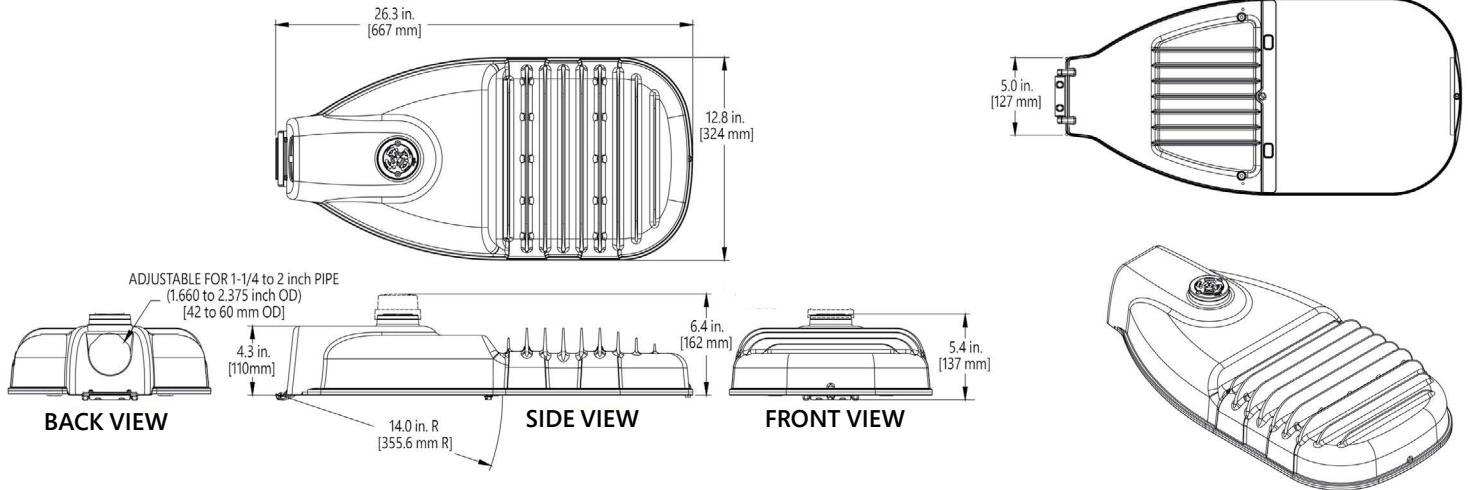
- Mounting Height at 30'
- Initial Footcandle at Grade



- Vertical Plane Through Horizontal Angles (75 - 255) (Through Max. Cd.)
- Horizontal Cone Through Vertical Angle (61) (Through Max. Cd.)

ISO illuminate diagrams and polar plots are representative of the SKUs illustrated. Refer to IES files for SKU specific information.

CUSTOMER NAME \_\_\_\_\_  
 PROJECT NAME \_\_\_\_\_  
 DATE \_\_\_\_\_ TYPE \_\_\_\_\_  
 CATALOG NUMBER \_\_\_\_\_



### Mounting

Adjustable for 1.25 to 2 in. nominal mounting pipe (1.660 to 2.375 inch OD)

Integral diecast mounting pipe stop

Slipfitter with +/- 5 degrees of leveling adjustment

### Effective Projected Area

0.57 ft<sup>2</sup> (0.053 m<sup>2</sup>) (Max no shield)

### Weight

24.0 lb (10.9 kg)

### Accessories

| SAP NUMBER | PART NUMBER   | DESCRIPTION                       |
|------------|---------------|-----------------------------------|
| 93029237G  | PED-MV-LED-7  | ANSI C136.41 Dimming PE, 120-277V |
| 93029238G  | PED-347-LED-7 | ANSI C136.41 Dimming PE, 347V     |
| 93029239G  | PED-480-LED-7 | ANSI C136.41 Dimming PE, 480V     |
| 28299      | PEC0TL        | Long Life PE 120-277V             |
| 93147530   | PECHTL        | Long Life PE 277-480              |
| 73251      | SCCL-PECTL    | Shorting Cap                      |

### 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.

CUSTOMER NAME \_\_\_\_\_  
 PROJECT NAME \_\_\_\_\_  
 DATE \_\_\_\_\_ TYPE \_\_\_\_\_  
 CATALOG NUMBER \_\_\_\_\_

### HOUSE SIDE SHIELDS

#### ERL2 Shields

|               |           |              |                 |
|---------------|-----------|--------------|-----------------|
| Product Code: | 93070722  | Description: | ELSHS-ERL2-BLCK |
| Product Code: | 93085564G | Description: | ELSHS-ERL2-GRAY |
| Product Code: | 93096747G | Description: | ELSHS-ERL2-DKBZ |



### STREET SIDE SHIELDS

#### ERL2 Shields

|               |           |              |                    |
|---------------|-----------|--------------|--------------------|
| Product Code: | 93132955G | Description: | ELSFS-ERL2-BLCK-20 |
| Product Code: | 93132986G | Description: | ELSFS-ERL2-GRAY-20 |



### SIDE SHIELDS (L&R)

Shipped as a kit - L & R can be used independently

#### ERL2 SHIELDS

|               |           |              |                                   |
|---------------|-----------|--------------|-----------------------------------|
| Product Code: | 93132989G | Description: | ELS-ERL2-LEFTRIGHTSIDEKIT-BLCK-10 |
|---------------|-----------|--------------|-----------------------------------|



#### FOOTNOTES:

- 1) 10 = 1" Shield Depth; 15 = 1.5" Shield Depth; 20 = 2" Shield Depth
- 2) Black is recommended to reduce potential for glare coming off of the shield
- 3) Use "House Side" Shield to block light trespass behind the pole
- 4) Use "Street Side" / Front Shield to block light trespass across the street