

# 6" Reflector LED Light Engine Trims (850-3000 lm)



## Features

- Dimmable Triac/ELV or 0-10V.
- USA Designed and Assembled.
- Frame sold separately (see Compatible Housings).
- 2 at the end of the item number denotes Generation 2. Please note Gen 2 and Gen 1 are not cross compatible.

## Specifications

|                     |         |
|---------------------|---------|
| <b>Wattage</b>      | 21.6W   |
| <b>Lumens</b>       | 2000 lm |
| <b>Color Temp.</b>  | 3500K   |
| <b>Lamp Type</b>    | LED     |
| <b>Beam Angle</b>   | 60°     |
| <b>CRI</b>          | 93+     |
| <b>Wet Location</b> | Listed  |

## Options



**Black**



**Chrome**



**Haze**



**Haze w/White Ring**



**White**

## Technical Details

**Optics:** Frosted polycarbonate lens diffuses light evenly throughout while reducing glare with LED technology.

**Reflector Construction:** Reflector is one piece, deep, self-flanged construction spun from .05" thick High Grade Aluminum. Reflector allows for minimal glare and a strong glare cut-off.

**Installation:** Must be installed on a Laurel System frame with compatible lumen rating. Frames are available for New Construction, Remodel and as a Retrofit Kit.

### LED Technology:

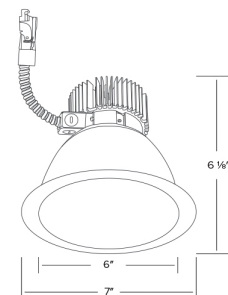
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

### Listings:

- cULus Listed for Wet Location.
- RoHS Compliant.

**Warranty:** ELCO Products are built to last. 5-year Limited warranty.

## Dimensions



## Product Number Builder Example: E610L0827W2

|                   |          |                  |                 |                    |
|-------------------|----------|------------------|-----------------|--------------------|
| ELCO 6" Reflector | Laurel   | Lumens           | Color Temp.     | Finish             |
| <b>E610</b>       | <b>L</b> | <b>08 850 lm</b> | <b>27 2700K</b> | <b>W All White</b> |

12 1250 lm  
 16 1600 lm  
 20 2000 lm  
 30 3000 lm

30 3000K  
 35 3500K  
 40 4000K  
 50 5000K  
 SD Sunset

B All Black  
 C All Chrome  
 H All Haze  
 HW Haze w/White Ring

Generation

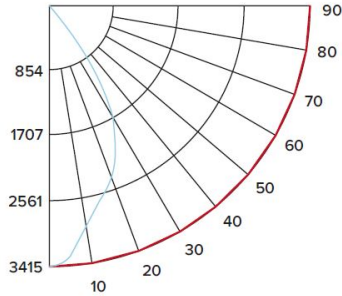
Gen 1  
 2 Gen 2

## LED Light Engine

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08)

### PHOTOMETRIC REPORT

Product #: E610L3030  
 Wattage/Lumens: 31.5W/ 2714 Lm  
 Luminaire LPW: 86 Lm/W



### CANDLE POWER SUMMARY

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 3415 |
| 5                | 3340 |
| 15               | 2706 |
| 25               | 2171 |
| 35               | 925  |
| 45               | 85   |
| 55               | 3    |
| 65               | 1    |
| 75               | 1    |
| 85               | 0    |
| 90               | 0    |

### ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 213                     | 4.5'          |
| 6'                       | 94.9                    | 6.8'          |
| 8'                       | 53.4                    | 9.1'          |
| 10'                      | 34.1                    | 11.3'         |

### ZONAL LUMEN SUMMARY

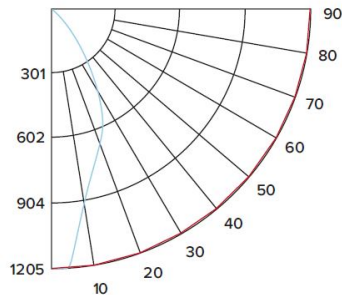
| Zone  | Lumens  | % Luminaire |
|-------|---------|-------------|
| 0-30° | 2035.49 | 75.00       |
| 0-40° | 2618.32 | 96.50       |
| 0-60° | 2712.27 | 99.90       |
| 0-90° | 2714.31 | 100.00      |

## LED Light Engine

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08)

### PHOTOMETRIC REPORT

Product #: E610L0830H  
 Wattage/Lumens: 10.4W/ 756 Lm  
 Luminaire LPW: 73 Lm/W



### CANDLE POWER SUMMARY

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 1205 |
| 5                | 1134 |
| 15               | 772  |
| 25               | 607  |
| 35               | 226  |
| 45               | 17   |
| 55               | 1    |
| 65               | 0    |
| 75               | 0    |
| 85               | 0    |
| 90               | 0    |

### ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 75.3                    | 3.8'          |
| 6'                       | 33.5                    | 5.6'          |
| 8'                       | 18.8                    | 7.5'          |
| 10'                      | 12.0                    | 9.4'          |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-30° | 590.01 | 78.00       |
| 0-40° | 736.59 | 97.40       |
| 0-60° | 755.62 | 99.90       |
| 0-90° | 756.24 | 100.00      |

# Compatible Products



For use with 6" Laurel™ Light Engines

## 6" Laurel™ Commercial LED Frames



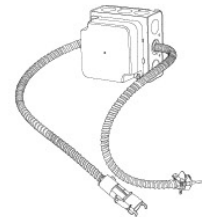
**6" Architectural Frame**  
**E6LH**



**6" Plaster Frame**  
**E6LF**



**6" Remodel Frame**  
**E6LR**



**6" Retrofit Kit**  
**E6LT**

### PRODUCT NUMBER BUILDER

| Frame Type                | Voltage              | Lumen                | Dimming                  | Optional   | Generation           |
|---------------------------|----------------------|----------------------|--------------------------|--|----------------------|
| <input type="text"/>      | <input type="text"/> | <input type="text"/> | <input type="text"/>     | <input type="text"/>                             | <input type="text"/> |
| <b>E6LH</b> Architectural | <b>U</b> 120/277V    | <b>08</b> 850 lm     | <b>D</b> Triac/ELV/0-10V | <b>EM1</b> Emergency Backup up to 700 lm output  | <b>(blank)</b> Gen 1 |
| <b>E6LF</b> Plaster       |                      | <b>12</b> 1250 lm    | <b>S</b> Sunset          | <b>EM2</b> Emergency Backup up to 1100 lm output | <b>2</b> Gen 2       |
| <b>E6LR</b> Remodel       |                      | <b>16</b> 1600 lm    | <b>L</b> Lutron          |  |                      |
| <b>E6LT</b> Retrofit      |                      | <b>20</b> 2000 lm    |                          |  |                      |
|                           |                      | <b>30</b> 3000 lm    |                          |  |                      |
|                           |                      | <b>40</b> 4000 lm    |                          |  |                      |
|                           |                      | <b>60</b> 6000 lm    |                          |  |                      |