

# 6" Reflector LED Light Engine Trims (4000-6000 lm)



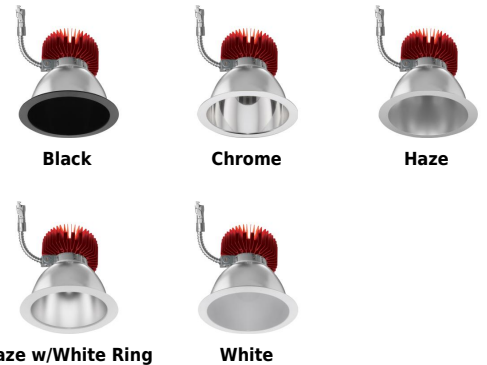
## Features

- 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>      | 71.4W   |
| <b>Lumens</b>       | 6000 lm |
| <b>Color Temp.</b>  | 3000K   |
| <b>Lamp Type</b>    | LED     |
| <b>Beam Angle</b>   | 60°     |
| <b>CRI</b>          | 93+     |
| <b>Wet Location</b> | Listed  |

## Options



## 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:

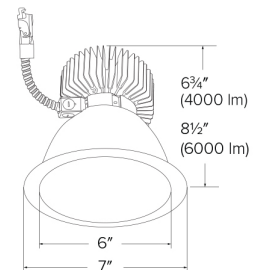
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

### Listings:

- cULus Listed for Wet Location.
- RoHS Compliant.

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

## Dimensions



Product Number Builder    Example: E610L4030W2

ELCO 6" Reflector

E610

Laurel

L

Lumens

40

4000 lm

60

6000 lm

Color Temp.

30

3000K

35

3500K

40

4000K

50

5000K

Finish

W

All White

B

All Black

C

All Chrome

H

All Haze

HW

Haze w/White Ring

Generation

Gen 1

2

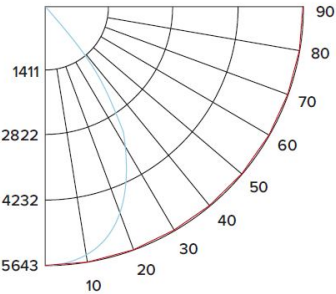
Gen 2

LED Light Engine

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08), 5000K (x 1.12)

PHOTOMETRIC REPORT

Product #: E610L6030H  
Wattage/Lumens: 70.3W/ 5780 Lm  
Luminaire LPW: 82 Lm/W



CANDLE POWER SUMMARY

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 5643 |
| 5                | 5576 |
| 15               | 5032 |
| 25               | 4098 |
| 35               | 2376 |
| 45               | 486  |
| 55               | 71   |
| 65               | 24   |
| 75               | 8    |
| 85               | 1    |
| 90               | 0    |

ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 353                     | 5.2'          |
| 6'                       | 157                     | 7.9'          |
| 8'                       | 88.2                    | 10.5'         |
| 10'                      | 56.4                    | 13.1'         |

ZONAL LUMEN SUMMARY

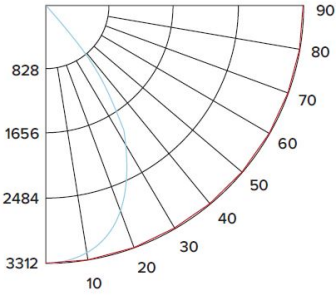
| Zone  | Lumens  | % Luminaire |
|-------|---------|-------------|
| 0-30° | 3807.57 | 65.90       |
| 0-40° | 5259.9  | 91.00       |
| 0-60° | 5746.44 | 99.40       |
| 0-90° | 5780.42 | 100.00      |

LED Light Engine

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08), 5000K (x 1.12)

PHOTOMETRIC REPORT

Product #: E610L4030H  
Wattage/Lumens: 35.6W/ 3393 Lm  
Luminaire LPW: 95 Lm/W



CANDLE POWER SUMMARY

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 3312 |
| 5                | 3273 |
| 15               | 2954 |
| 25               | 2406 |
| 35               | 1394 |
| 45               | 285  |
| 55               | 42   |
| 65               | 14   |
| 75               | 5    |
| 85               | 0    |
| 90               | 0    |

ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 207                     | 5.2'          |
| 6'                       | 92.0                    | 7.9'          |
| 8'                       | 51.8                    | 10.5'         |
| 10'                      | 33.1                    | 13.1'         |

ZONAL LUMEN SUMMARY

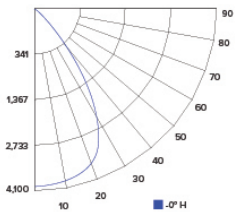
| Zone  | Lumens  | % Luminaire |
|-------|---------|-------------|
| 0-30° | 2234.91 | 65.90       |
| 0-40° | 3087.37 | 91.00       |
| 0-60° | 3372.95 | 99.40       |
| 0-90° | 3392.9  | 100.00      |

# Photometric Report

## 6" Reflector LED Light Engine Trims

### PHOTOMETRIC REPORT

Product #: E610L4035W2  
Wattage / Lumens: 36.6 W / 4110.6 lm  
Luminaire LPW: 112.3 lm/W



### CANDLE POWER SUMMARY

| Degress Vertical | 0°   |
|------------------|------|
| 0                | 4018 |
| 5                | 3970 |
| 15               | 3583 |
| 25               | 2918 |
| 35               | 1691 |
| 45               | 346  |
| 55               | 50   |
| 65               | 17   |
| 75               | 6    |
| 85               | 0    |
| 90               | 0    |

### ILLUMINANCE AT A DISTANCE

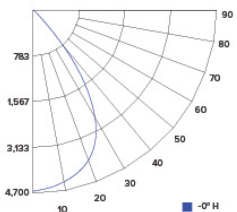
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 251                     | 5.2'          |
| 6'                       | 112                     | 7.9'          |
| 8'                       | 62.8                    | 10.5'         |
| 10'                      | 40.2                    | 13.1'         |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens  | %Luminaire |
|-------|---------|------------|
| 0-30° | 2,708.8 | 65.9       |
| 0-40° | 3,740.8 | 91         |
| 0-60° | 4,086.4 | 99.4       |
| 0-90° | 4,110.6 | 100        |

### PHOTOMETRIC REPORT

Product #: E610L6030B  
Wattage / Lumens: 70.4W / 4791.9 lm  
Luminaire LPW: 68 lm/W



### CANDLE POWER SUMMARY

| Degress Vertical | 0°   |
|------------------|------|
| 0                | 4684 |
| 5                | 4628 |
| 15               | 4177 |
| 25               | 3402 |
| 35               | 1972 |
| 45               | 403  |
| 55               | 59   |
| 65               | 20   |
| 75               | 7    |
| 85               | 0    |
| 90               | 0    |

### ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 293                     | 5.2'          |
| 6'                       | 130                     | 7.9'          |
| 8'                       | 73.2                    | 10.5'         |
| 10'                      | 46.8                    | 13.1'         |

### ZONAL LUMEN SUMMARY

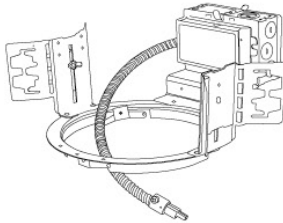
| Zone  | Lumens  | %Luminaire |
|-------|---------|------------|
| 0-30° | 3,157.7 | 65.9       |
| 0-40° | 4,360.9 | 91         |
| 0-60° | 4,763.7 | 99.4       |
| 0-90° | 4,791.9 | 100        |

# Compatible Products

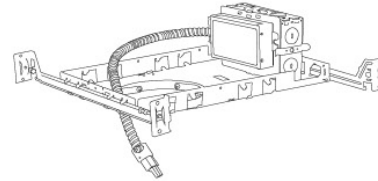
For use with 6" Laurel™ Light Engines



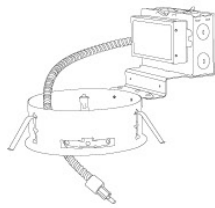
## 6" Laurel™ Commercial LED Frames



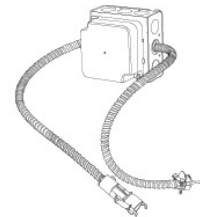
**6" Architectural Frame**  
**E6LH**



**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    |                          |                                                  |                      |