

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



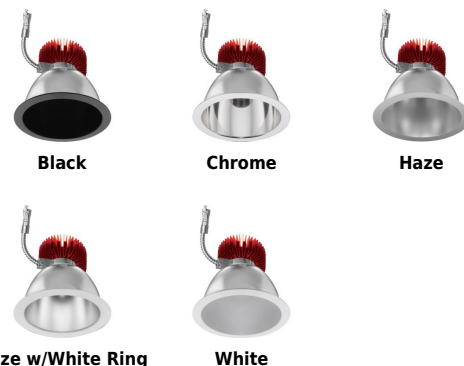
## Features

- 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>      | 36.8W - 71.4W     |
| <b>Lumens</b>       | 4000 lm - 6000 lm |
| <b>Color Temp.</b>  | 3000K - 5000K     |
| <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:

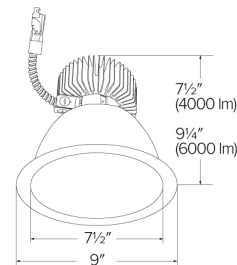
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

### Listings:

- cULus Listed for Wet Location.
- RoHS Compliant.

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

## Dimensions



Product Number Builder

Example: E810L4030W2

ELCO 8" Reflector

Laurel

Lumens

Color Temp.

Finish

Generation

E810

L

40

4000 lm

60

6000 lm

30

3000K

35

3500K

40

4000K

50

5000K

H

All Haze

W

All White

B

All Black

C

All Chrome

HW

Haze w/White Ring

Gen 1

2

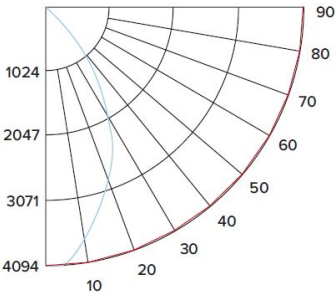
Gen 2

LED Light Engine

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

PHOTOMETRIC REPORT

Product #: E810L4030H  
Wattage/Lumens: 35.6W/ 3527 Lm  
Luminaire LPW: 99 Lm/W



CANDLE POWER SUMMARY

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 4094 |
| 5                | 4009 |
| 15               | 3336 |
| 25               | 2510 |
| 35               | 1481 |
| 45               | 182  |
| 55               | 13   |
| 65               | 5    |
| 75               | 1    |
| 85               | 0    |
| 90               | 0    |

ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 256                     | 4.6'          |
| 6'                       | 114                     | 7.0'          |
| 8'                       | 64.0                    | 9.3'          |
| 10'                      | 40.9                    | 11.6'         |

ZONAL LUMEN SUMMARY

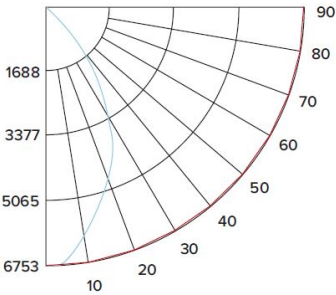
| Zone  | Lumens  | % Luminaire |
|-------|---------|-------------|
| 0-30° | 2453.47 | 69.60       |
| 0-40° | 3329.87 | 94.40       |
| 0-60° | 3520.38 | 99.80       |
| 0-90° | 3527.05 | 100.00      |

LED Light Engine

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

PHOTOMETRIC REPORT

Product #: E810L6030H  
Wattage/Lumens: 70.3W/ 5751 Lm  
Luminaire LPW: 82 Lm/W



CANDLE POWER SUMMARY

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 6753 |
| 5                | 6601 |
| 15               | 5447 |
| 25               | 4096 |
| 35               | 2413 |
| 45               | 292  |
| 55               | 23   |
| 65               | 10   |
| 75               | 4    |
| 85               | 0    |
| 90               | 0    |

ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 422                     | 4.6'          |
| 6'                       | 188                     | 6.9'          |
| 8'                       | 106                     | 9.2'          |
| 10'                      | 67.5                    | 11.5'         |

ZONAL LUMEN SUMMARY

| Zone  | Lumens  | % Luminaire |
|-------|---------|-------------|
| 0-30° | 4009.32 | 69.70       |
| 0-40° | 5431.93 | 94.50       |
| 0-60° | 5736.73 | 99.80       |
| 0-90° | 5750.7  | 100.00      |

# Compatible Products

For use with 8" Laurel™ Light Engines



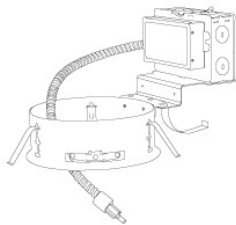
## 8" Laurel™ Commercial LED Frames



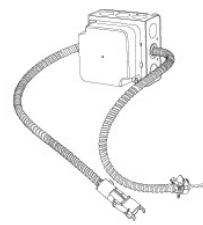
8" Architectural Frame  
E8LH



8" Plaster Frame  
E8LF



8" Remodel Frame  
E8LR



8" Retrofit Kit  
E8LT

### 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"/> |
| E8LH Architectural   | U 120/277V           | 08 850 lm            | D Triac/ELV/0-10V    | EM1 Emergency Backup up to 700 lm output  | (blank) Gen 1        |
| E8LF Plaster         |                      | 12 1250 lm           | S Sunset             | EM2 Emergency Backup up to 1100 lm output | 2 Gen 2              |
| E8LR Remodel         |                      | 16 1600 lm           | L Lutron             |                                           |                      |
| E8LT Retrofit        |                      | 20 2000 lm           |                      |                                           |                      |
|                      |                      | 30 3000 lm           |                      |                                           |                      |
|                      |                      | 40 4000 lm           |                      |                                           |                      |
|                      |                      | 60 6000 lm           |                      |                                           |                      |