

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



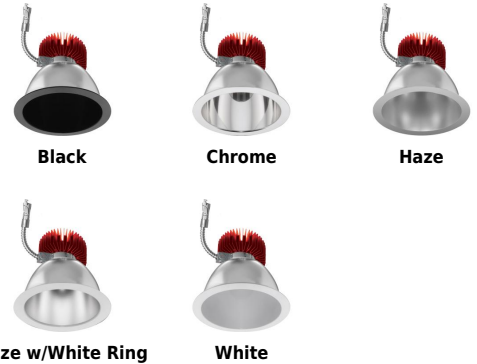
Features

- 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

| | |
|---------------------|-------------------|
| Wattage | 36.8W - 71.4W |
| Lumens | 4000 lm - 6000 lm |
| Color Temp. | 3000K - 5000K |
| Lamp Type | LED |
| Beam Angle | 60° |
| CRI | 93+ |
| Wet Location | 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:

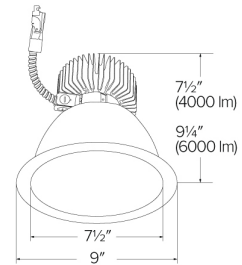
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

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

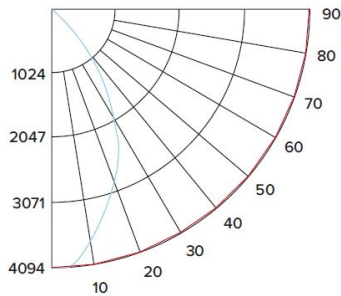
1 Gen 1
2 Gen 2

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

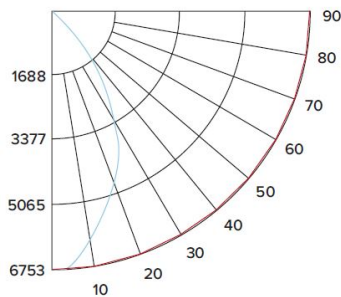
| Zone | Lumens | % Luminaire |
|-------|---------|-------------|
| 0-30° | 2453.47 | 69.60 |
| 0-40° | 3329.87 | 94.40 |
| 0-60° | 3520.38 | 99.80 |
| 0-90° | 3527.05 | 100.00 |

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 | | | |