

8" 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

| | |
|---------------------|--------|
| Wattage | 8.8W |
| Lumens | 850 lm |
| Color Temp. | 2700K |
| Lamp Type | LED |
| Beam Angle | 60° |
| CRI | 93+ |
| Wet Location | 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:

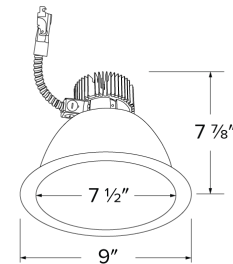
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

Listings:

- cULus Listed for Wet Location.
- RoHS Compliant.

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

Dimensions



Product Number Builder Example: E810L0827W2

| | | | | |
|-------------------|----------|------------------|-----------------|-------------------|
| ELCO 8" Reflector | Laurel | Lumens | Color Temp. | Finish |
| E810 | L | 08 850 lm | 27 2700K | H All Haze |

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

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

W All White
 B All Black
 C All Chrome
 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 #: E810L0830H
 Wattage/Lumens: 10.4W/ 757 Lm
 Luminaire LPW: 73 Lm/W



CANDLE POWER SUMMARY

| Degrees Vertical | 0° |
|------------------|------|
| 0 | 1113 |
| 5 | 1089 |
| 15 | 763 |
| 25 | 582 |
| 35 | 272 |
| 45 | 15 |
| 55 | 0 |
| 65 | 0 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4' | 69.6 | 3.9' |
| 6' | 30.9 | 5.9' |
| 8' | 17.4 | 7.9' |
| 10' | 11.1 | 9.9' |

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-30° | 575.98 | 76.10 |
| 0-40° | 739.82 | 97.70 |
| 0-60° | 757.24 | 100.00 |
| 0-90° | 757.24 | 100.00 |

LED Light Engine

Multiplier: 2700K (x 0.92), 3000K (x 0.96), 4000K (x 1.04)

PHOTOMETRIC REPORT

Product #: E810L1235
 Wattage/Lumens: 15.8W/ 1117 Lm
 Luminaire LPW: 71 Lm/W



CANDLE POWER SUMMARY

| Degrees Vertical | 0° |
|------------------|------|
| 0 | 1295 |
| 5 | 1296 |
| 15 | 1127 |
| 25 | 838 |
| 35 | 424 |
| 45 | 33 |
| 55 | 0 |
| 65 | 0 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4' | 80.9 | 4.7' |
| 6' | 36.0 | 7.0' |
| 8' | 20.2 | 9.3' |
| 10' | 13.0 | 11.7' |

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|-------|---------|-------------|
| 0-30° | 822.54 | 73.60 |
| 0-40° | 1080.48 | 96.70 |
| 0-60° | 1117.44 | 100.00 |
| 0-90° | 1117.46 | 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 |
|---------------------------|-------------------|-------------------|--------------------------|--|----------------------|
| 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 | | | |