

| Project name: | |
|---------------|--|
| Fixture type: | |
| Date: | |

6" LED Light Engine with Adjustable Trim (4000-6000 lm)



Features

- 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 |
| Voltage | |
| Color Temp. | 4000K |
| Dimmable | |
| Lamp Type | LED |
| Beam Angle | 60° |
| CRI | 93+ |
| Wet Location | Listed |
| | |

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. Integral gimbal ring has adjustability up to $\pm 25^{\circ}$ ideal for sloped ceilings and wall wash applications.

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:

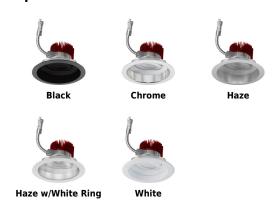
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

Listings:

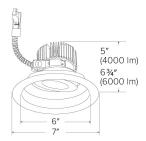
- cULus Listed for Wet Location.
- RoHS Compliant.

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

Options



Dimensions



Product Number Builder Example: E618L0827W2

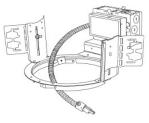
| ELCO 6" Adjustable | Laurel | Lumens | Color Temp. | Finish | Generation |
|--------------------|--------|-------------------|-----------------|----------------------|----------------|
| E618 | L | | | | |
| | | 40 4000 lm | 30 3000K | W All White | Gen 1 |
| | | 60 6000 lm | 35 3500K | B All Black | 2 Gen 2 |
| | | | 40 4000K | C All Chrome | |
| | | | 50 5000K | H All Haze | |
| | | | | HW Haze w/White Ring | |

Compatible Products

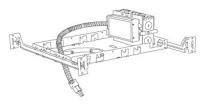


For use with **6" Laurel™ Light Engines**

6" Laurel™ Commercial LED Frames



6" Architectural Frame E6LH



6" Plaster Frame E6LF



6" Remodel Frame E6LR



6" Retrofit Kit E6LT

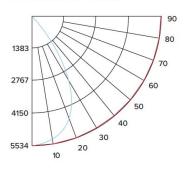
| PRODUCT NUMBER BUILDER | | | | | | | | | | | |
|------------------------|---------------|-------------------|----|---------|---|-----------------|-----|---------------------------------------|----|---------|-------|
| Fr | ame Type | Voltage | | Lumen | | Dimming | | Optional | ıF | Gener | ation |
| E6LH | Architectural | U 120/277V | 08 | 850 lm | D | Triac/ELV/0-10V | EM1 | Emergency Backup up to 700 lm output | | (blank) | Gen 1 |
| E6LF | Plaster | | 12 | 1250 lm | S | Sunset | EM2 | Emergency Backup up to 1100 lm output | | 2 | Gen 2 |
| E6LR | Remodel | | 16 | 1600 lm | L | Lutron | | | | | |
| E6LT | Retrofit | | 20 | 2000 lm | | | | | | | |
| | | | 30 | 3000 lm | | | | | | | |
| | | | 40 | 4000 lm | | | | | | | |
| | | | 60 | 6000 lm | | | | | | | |

LED Light Engine

Multiplier: 2700K (x 0.88), 3000K (x 0.92), 3500K (x 0.96), 5000K (x 1.04)

PHOTOMETRIC REPORT

Product #: E618L6040H Wattage/Lumens: 70.3W/ 5668 Lm Luminaire LPW: 81 Lm/W



CANDLE POWER SUMMARY

| Degrees Vertical | O° |
|------------------|------|
| 0 | 5534 |
| 5 | 5468 |
| 15 | 4935 |
| 25 | 4019 |
| 35 | 2330 |
| 45 | 476 |
| 55 | 69 |
| 65 | 23 |
| 75 | 8 |
| 85 | 1 |
| 90 | 0 |
| | |

ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter | | |
|--------------------------|-------------------------|---------------|--|--|
| 4' | 346 | 5.2' | | |
| 6' | 154 | 7.9' | | |
| 8' | 86.5 | 10.5' | | |
| 10' | 55.3 | 13.1' | | |

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire | |
|-------|---------|-------------|--|
| 0-30° | 3733.68 | 65.90 | |
| 0-40° | 5157.83 | 91.00 | |
| 0-60° | 5634.92 | 99.40 | |
| 0-90° | 5668.25 | 100.00 | |