

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 | 18W |
| Lumens | 1600 lm |
| Voltage | |
| Color Temp. | 3500K |
| Dimmable | |
| 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. 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.

Dimensions



Product Number Builder Example: **E618L0827W2**

ELCO 6" Adjustable

Laurel

Lumens

Color Temp.

Finish

Generation

E618

L

40 4000 lm
60 6000 lm

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

W All White
B All Black
C All Chrome
H All Haze
HW Haze w/White Ring

Gen 1
2 Gen 2

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"/> |
| 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 | 0° |
|------------------|------|
| 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 |