

# 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

|                     |         |
|---------------------|---------|
| <b>Wattage</b>      | 31W     |
| <b>Lumens</b>       | 3000 lm |
| <b>Voltage</b>      |         |
| <b>Color Temp.</b>  | 3000K   |
| <b>Dimmable</b>     |         |
| <b>Lamp Type</b>    | LED     |
| <b>Beam Angle</b>   | 60°     |
| <b>CRI</b>          | 93+     |
| <b>Wet Location</b> | 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. 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:

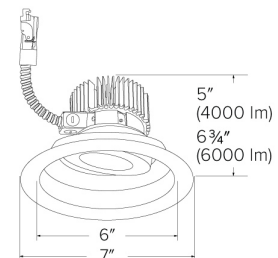
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

### 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"/> |
| <b>E6LH</b> Architectural | <b>U</b> 120/277V    | <b>08</b> 850 lm     | <b>D</b> Triac/ELV/0-10V | <b>EM1</b> Emergency Backup up to 700 lm output  | <b>(blank)</b> Gen 1 |
| <b>E6LF</b> Plaster       |                      | <b>12</b> 1250 lm    | <b>S</b> Sunset          | <b>EM2</b> Emergency Backup up to 1100 lm output | <b>2</b> Gen 2       |
| <b>E6LR</b> Remodel       |                      | <b>16</b> 1600 lm    | <b>L</b> Lutron          |  |                      |
| <b>E6LT</b> Retrofit      |                      | <b>20</b> 2000 lm    |                          |  |                      |
|                           |                      | <b>30</b> 3000 lm    |                          |  |                      |
|                           |                      | <b>40</b> 4000 lm    |                          |  |                      |
|                           |                      | <b>60</b> 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      |