

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



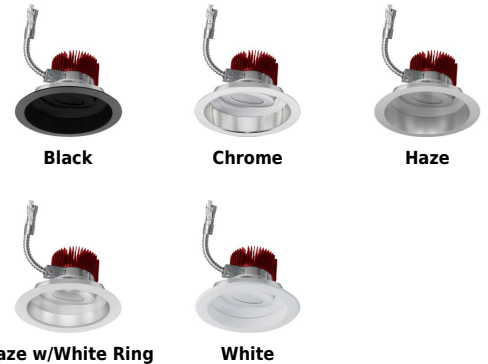
## Features

- 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>  | 5000K   |
| <b>Dimmable</b>     |         |
| <b>Lamp Type</b>    | LED     |
| <b>Beam Angle</b>   | 60°     |
| <b>CRI</b>          | 93+     |
| <b>Wet Location</b> | 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:

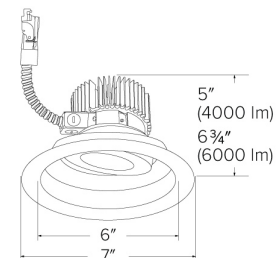
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

### 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

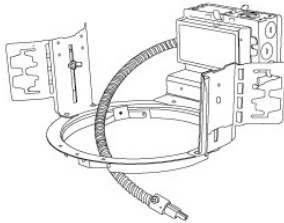
| ELCO 6" Adjustable | Laurel | Lumens                   | Color Temp.                                  | Finish                                                                           | Generation       |
|--------------------|--------|--------------------------|----------------------------------------------|---------------------------------------------------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

# Compatible Products

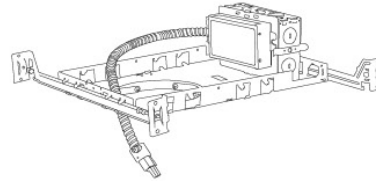
For use with 6" Laurel™ Light Engines



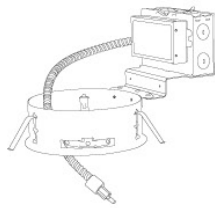
## 6" Laurel™ Commercial LED Frames



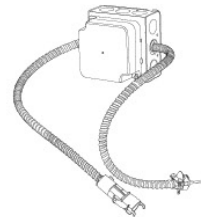
**6" Architectural Frame**  
**E6LH**



**6" Plaster Frame**  
**E6LF**



**6" Remodel Frame**  
**E6LR**



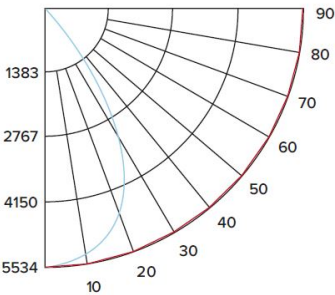
**6" Retrofit Kit**  
**E6LT**

### 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    |                          |                                                  |                      |

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      |