

# 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>	18W
<b>Lumens</b>	1600 lm
<b>Voltage</b>	
<b>Color Temp.</b>	3500K
<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  
**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