

# 6" Reflector LED Light Engine Trims (850-3000 lm)



## Features

- Dimmable Triac/ELV or 0-10V.
- 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>Color Temp.</b>	4000K
<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. Reflector allows for minimal glare and a strong glare cut-off.

**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:

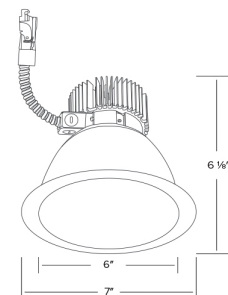
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

### Listings:

- cULus Listed for Wet Location.
- RoHS Compliant.

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

## Dimensions



## Product Number Builder Example: E610L0827W2

ELCO 6" Reflector	Laurel	Lumens	Color Temp.	Finish
<b>E610</b>	<b>L</b>	<b>08 850 lm</b>	<b>27 2700K</b>	<b>W All White</b>

12 1250 lm  
 16 1600 lm  
 20 2000 lm  
 30 3000 lm

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

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

Generation

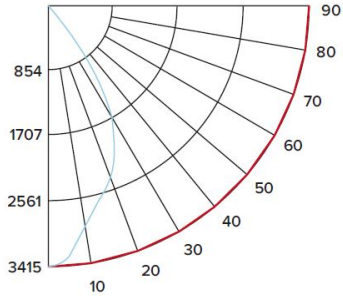
Gen 1  
 2 Gen 2

## LED Light Engine

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08)

### PHOTOMETRIC REPORT

Product #: E610L3030  
 Wattage/Lumens: 31.5W/ 2714 Lm  
 Luminaire LPW: 86 Lm/W



### CANDLE POWER SUMMARY

Degrees Vertical	0°
0	3415
5	3340
15	2706
25	2171
35	925
45	85
55	3
65	1
75	1
85	0
90	0

### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	213	4.5'
6'	94.9	6.8'
8'	53.4	9.1'
10'	34.1	11.3'

### ZONAL LUMEN SUMMARY

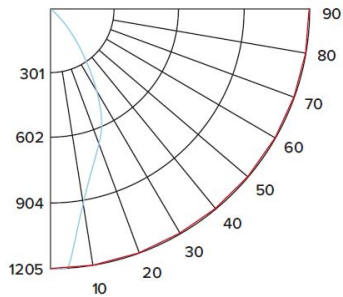
Zone	Lumens	% Luminaire
0-30°	2035.49	75.00
0-40°	2618.32	96.50
0-60°	2712.27	99.90
0-90°	2714.31	100.00

## LED Light Engine

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08)

### PHOTOMETRIC REPORT

Product #: E610L0830H  
 Wattage/Lumens: 10.4W/ 756 Lm  
 Luminaire LPW: 73 Lm/W



### CANDLE POWER SUMMARY

Degrees Vertical	0°
0	1205
5	1134
15	772
25	607
35	226
45	17
55	1
65	0
75	0
85	0
90	0

### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	75.3	3.8'
6'	33.5	5.6'
8'	18.8	7.5'
10'	12.0	9.4'

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	590.01	78.00
0-40°	736.59	97.40
0-60°	755.62	99.90
0-90°	756.24	100.00

# 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			