

# 8" Reflector LED Light Engine Trims (4000-6000 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>	71.4W
<b>Lumens</b>	6000 lm
<b>Color Temp.</b>	3000K
<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:

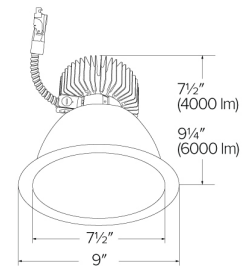
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

### Listings:

- cULus Listed for Wet Location.
- RoHS Compliant.

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

## Dimensions



## Product Number Builder Example: E810L4030W2

ELCO 8" Reflector	Laurel	Lumens	Color Temp.	Finish
<b>E810</b>	<b>L</b>	<b>40</b> 4000 lm	<b>30</b> 3000K	<b>H</b> All Haze

Generation

Gen 1

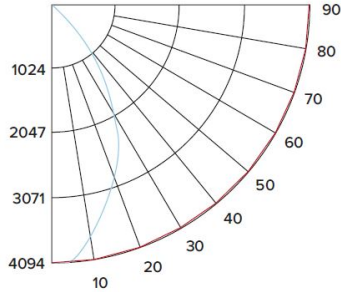
2 Gen 2

## LED Light Engine

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08), 5000K (x 1.12)

### PHOTOMETRIC REPORT

Product #: E810L4030H  
 Wattage/Lumens: 35.6W/ 3527 Lm  
 Luminaire LPW: 99 Lm/W



### CANDLE POWER SUMMARY

Degrees Vertical	0°
0	4094
5	4009
15	3336
25	2510
35	1481
45	182
55	13
65	5
75	1
85	0
90	0

### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	256	4.6'
6'	114	7.0'
8'	64.0	9.3'
10'	40.9	11.6'

### ZONAL LUMEN SUMMARY

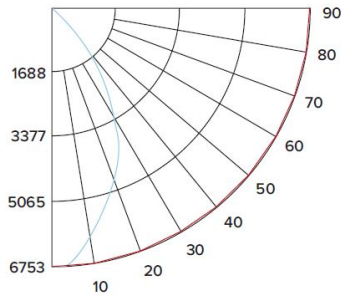
Zone	Lumens	% Luminaire
0-30°	2453.47	69.60
0-40°	3329.87	94.40
0-60°	3520.38	99.80
0-90°	3527.05	100.00

## LED Light Engine

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08), 5000K (x 1.12)

### PHOTOMETRIC REPORT

Product #: E810L6030H  
 Wattage/Lumens: 70.3W/ 5751 Lm  
 Luminaire LPW: 82 Lm/W



### CANDLE POWER SUMMARY

Degrees Vertical	0°
0	6753
5	6601
15	5447
25	4096
35	2413
45	292
55	23
65	10
75	4
85	0
90	0

### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	422	4.6'
6'	188	6.9'
8'	106	9.2'
10'	67.5	11.5'

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	4009.32	69.70
0-40°	5431.93	94.50
0-60°	5736.73	99.80
0-90°	5750.7	100.00

# Compatible Products



For use with 8" Laurel™ Light Engines

## 8" Laurel™ Commercial LED Frames



**8" Architectural Frame**  
**E8LH**



**8" Plaster Frame**  
**E8LF**



**8" Remodel Frame**  
**E8LR**



**8" Retrofit Kit**  
**E8LT**

### 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>E8LH</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>E8LF</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>E8LR</b> Remodel		<b>16</b> 1600 lm	<b>L</b> Lutron		
<b>E8LT</b> Retrofit		<b>20</b> 2000 lm			
		<b>30</b> 3000 lm			
		<b>40</b> 4000 lm			
		<b>60</b> 6000 lm			