

# 6" 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>	3500K
<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:

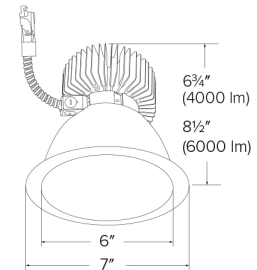
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

### Listings:

- cULus Listed for Wet Location.
- RoHS Compliant.

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

## Dimensions



# Product Number Builder Example: E610L4030W2

ELCO 6" Reflector

Laurel

Lumens

Color Temp.

Finish

Generation

**E610**

**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

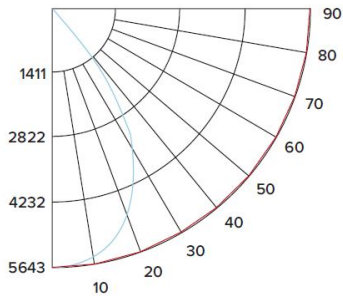
**1** Gen 1  
**2** Gen 2

## LED Light Engine

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

### PHOTOMETRIC REPORT

Product #: E610L6030H  
Wattage/Lumens: 70.3W/ 5780 Lm  
Luminaire LPW: 82 Lm/W



### CANDLE POWER SUMMARY

Degrees Vertical	0°
0	5643
5	5576
15	5032
25	4098
35	2376
45	486
55	71
65	24
75	8
85	1
90	0

### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	353	5.2'
6'	157	7.9'
8'	88.2	10.5'
10'	56.4	13.1'

### ZONAL LUMEN SUMMARY

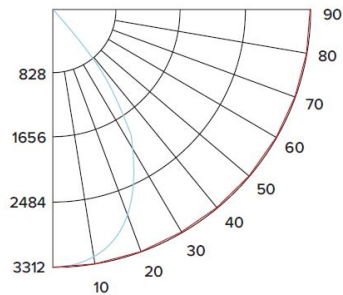
Zone	Lumens	% Luminaire
0-30°	3807.57	65.90
0-40°	5259.9	91.00
0-60°	5746.44	99.40
0-90°	5780.42	100.00

## LED Light Engine

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

### PHOTOMETRIC REPORT

Product #: E610L4030H  
Wattage/Lumens: 35.6W/ 3393 Lm  
Luminaire LPW: 95 Lm/W



### CANDLE POWER SUMMARY

Degrees Vertical	0°
0	3312
5	3273
15	2954
25	2406
35	1394
45	285
55	42
65	14
75	5
85	0
90	0

### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	207	5.2'
6'	92.0	7.9'
8'	51.8	10.5'
10'	33.1	13.1'

### ZONAL LUMEN SUMMARY

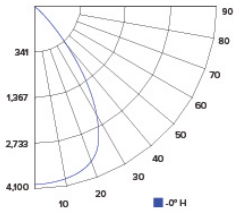
Zone	Lumens	% Luminaire
0-30°	2234.91	65.90
0-40°	3087.37	91.00
0-60°	3372.95	99.40
0-90°	3392.9	100.00

# Photometric Report

## 6" Reflector LED Light Engine Trims

### PHOTOMETRIC REPORT

Product #: E610L4035W2  
 Wattage / Lumens: 36.6 W / 4110.6 lm  
 Luminaire LPW: 112.3 lm/W



### CANDLE POWER SUMMARY

Degress Vertical	0°
0	4018
5	3970
15	3583
25	2918
35	1691
45	346
55	50
65	17
75	6
85	0
90	0

### ILLUMINANCE AT A DISTANCE

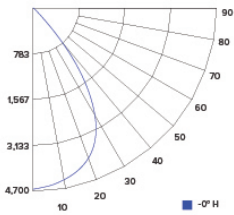
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	251	5.2'
6'	112	7.9'
8'	62.8	10.5'
10'	40.2	13.1'

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	2,708.8	65.9
0-40°	3,740.8	91
0-60°	4,086.4	99.4
0-90°	4,110.6	100

### PHOTOMETRIC REPORT

Product #: E610L6030B  
 Wattage / Lumens: 70.4W / 4791.9 lm  
 Luminaire LPW: 68 lm/W



### CANDLE POWER SUMMARY

Degress Vertical	0°
0	4684
5	4628
15	4177
25	3402
35	1972
45	403
55	59
65	20
75	7
85	0
90	0

### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	293	5.2'
6'	130	7.9'
8'	73.2	10.5'
10'	46.8	13.1'

### ZONAL LUMEN SUMMARY

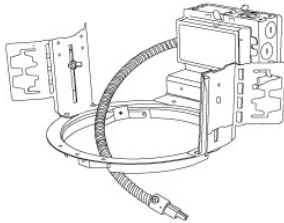
Zone	Lumens	%Luminaire
0-30°	3,157.7	65.9
0-40°	4,360.9	91
0-60°	4,763.7	99.4
0-90°	4,791.9	100

# Compatible Products

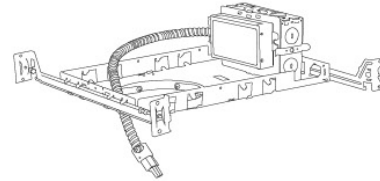


For use with 6" Laurel™ Light Engines

## 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			