

# 4" Reflector LED Light Engine Trims



## 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>Color Temp.</b>	3500K
<b>Lamp Type</b>	LED
<b>Beam Angle</b>	60°
<b>CRI</b>	93+
<b>Wet Location</b>	Listed

## Options



Haze



White



Black



Chrome



Haze w/White Ring

## 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:

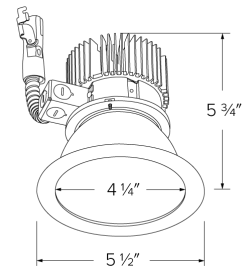
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

### Listings:

- cULus Listed for Wet Location.
- RoHS Compliant.

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

## Dimensions



## Product Number Builder Example: E410L0827W2

ELCO 4" Reflector	Laurel	Lumens	Color Temp.	Finish
<b>E410</b>	<b>L</b>	<b>08 850 lm</b>	<b>27 2700K</b>	<b>H All Haze</b>

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

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

**W** All White  
**B** All Black  
**C** All Chrome  
**HW** Haze w/White Ring

Generation



Gen 1  
**2** Gen 2

# Compatible Products



For use with 4" Laurel™ Light Engines

## 4" Laurel™ Commercial LED Frames



**4" Architectural Frame**  
**E4LH**



**4" Plaster Frame**  
**E4LF**



**4" Remodel Frame**  
**E4LR**



**4" Retrofit Kit**  
**E4LT**

### PRODUCT NUMBER BUILDER

Frame Type	Voltage	Lumen	Dimming	Optional	Generation
<b>E4LH</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>E4LF</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>E4LR</b> Remodel		<b>16</b> 1600 lm	<b>L</b> Lutron		
<b>E4LT</b> Retrofit		<b>20</b> 2000 lm			
		<b>30</b> 3000 lm			

# LED Light Engine

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

## PHOTOMETRIC REPORT

Product #: E410L1230  
 Wattage/Lumens: 15.7W/ 1124 Lm  
 Luminaire LPW: 72 Lm/W



## CANDLE POWER SUMMARY

Degrees Vertical	0°
0	1555
5	1530
15	1244
25	850
35	312
45	54
55	1
65	1
75	0
85	0
90	0

## ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	97.2	4.0'
6'	43.2	6.0'
8'	24.3	8.0'
10'	15.5	10.0'

## ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	868.78	77.30
0-40°	1072.36	95.40
0-60°	1122.45	99.90
0-90°	1123.58	100.00

# LED Light Engine

Multiplier: 3000K (x 1.04), 3500K (x 1.08), 4000K (x 1.12)

## PHOTOMETRIC REPORT

Product #: E410L2027H  
 Wattage/Lumens: 21.6W/ 1692 Lm  
 Luminaire LPW: 78 Lm/W



## CANDLE POWER SUMMARY

Degrees Vertical	0°
0	2342
5	2304
15	1873
25	1281
35	469
45	81
55	2
65	1
75	0
85	0
90	0

## ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	146	4.0'
6'	65.0	6.0'
8'	36.6	8.0'
10'	23.4	10.0'

## ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	1308.44	77.30
0-40°	1615.05	95.40
0-60°	1690.49	99.90
0-90°	1692.19	100.00

# LED Light Engine

Multiplier: 3000K (x 1.04), 3500K (x 1.08), 4000K (x 1.12)

## PHOTOMETRIC REPORT

Product #: E410L3027H  
 Wattage/Lumens: 31.5W/ 2537 Lm  
 Luminaire LPW: 81 Lm/W



## CANDLE POWER SUMMARY

Degrees Vertical	0°
0	3510
5	3454
15	2808
25	1920
35	704
45	122
55	3
65	2
75	1
85	0
90	0

## ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	219	4.0'
6'	97.5	6.0'
8'	54.8	8.0'
10'	35.1	10.0'

## ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	1961.57	77.30
0-40°	2421.21	95.40
0-60°	2534.32	99.90
0-90°	2536.86	100.00