

Project name:

Fixture type:

Date:

## **6" Reflector LED Light Engine** Trims (850-6000 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.

Spec	ificat	ions
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18W
1600 lm
3500K
LED
60°
93+
Listed

## **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.

Sunset: Sunset color temperature is our dim-to-warm LED technology that allows the color temperature to become warmer as the product is dimmed. Our SUNSET items start at 3000K and go as low as 1800K when dimmed. For Sunset dim technology be sure to order an item with "Sunset" in the Color Temperature (CCT) attribute.

Listings: cULus Listed for Wet Location. RoHS Compliant.

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

## Options



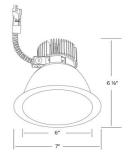


All Haze(semispecular)

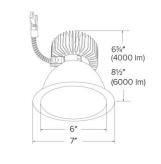


Haze w/White Trim

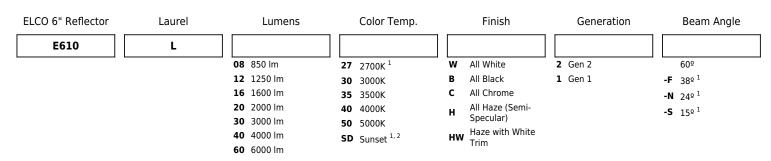
## 850 lm - 3000 lm Series



4000 lm - 6000 lm Series



## Product Number Builder Example: E610L0827W2



<sup>1</sup> Available for lumen packages up to 3000 lm only

<sup>2</sup> Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

## **LED Light Engine**

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

PHOTOMETRIC REPORT	CANDLE POWER	SUMMARY	ILLUMINANCE AT A DISTANCE				
Product #: E610L3030	Degrees Vertical	O°	Distance to Target Plane	Footcandles Beam Center	Beam Diameter		
Wattage/Lumens: 31.5W/ 2714 Lm Luminaire LPW: 86 Lm/W	0	3415	4'	213	4.5'		
	5	3340	6'	94.9	6.8'		
90	15	2706	8'	53.4	9.1'		
854 80	25	2171	10'	34.1	11.3'		
70	35	925					
1707 60	45	85	ZONAL LUMEN SUMMA	ARY			
	55	3	Zone	Lumens	% Luminaire		
2561 50	65	1	0-30°	2035.49	75.00		
40	75	1	0-40°	2618.32	96.50		
3415 20	85	0	0-60°	2712.27	99.90		
10			1997 - 19				

0-90°

2714.31

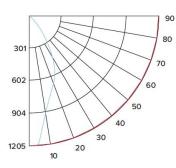
100.00

0

90

## 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

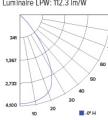
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# Photometric Report

## 6" Reflector LED Light Engine Trims

#### PHOTOMETRIC REPORT

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



#### CANDLE POWER SUMMARY

#### **ILLUMINANCE AT A DISTANCE**

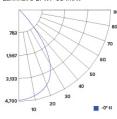
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	251	5.2'
6'	112	7.9′
8'	62.8	10.5′
10'	40.2	13.1′

### 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

0°

Degress Vertical

#### 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

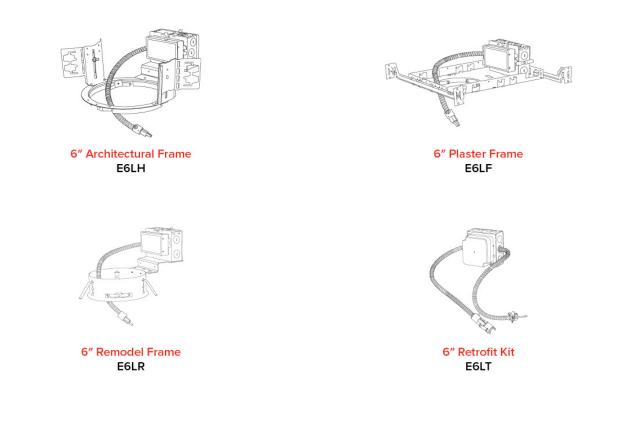
Zone	Lumens	%Luminaire
0-30°	3,157.7	65.9
0-40°	4,360.9	91
0-60°	4,763.7	99.4
0-90°	4,791.9	100

## **Compatible** Products

For use with 6" Laurel™ Light Engines



## 6" Laurel™Commercial LED Frames



## PRODUCT NUMBER BUILDER

Fr	ame Type	Voltage		Lumen	Γ	Dimming	[		Optional	Gener	ation
E6LH	Architectural	<b>U</b> 120/277V	08	850 lm		D Triac/ELV/0-10V	l	EM1	Emergency Backup up to 700 lm output	(blank)	Gen 1
E6LF	Plaster		12	1250 lm		Sunset		EM2	Emergency Backup up to 1100 lm output	2	Gen 2
E6LR	Remodel		16	1600 lm		L Lutron					
E6LT	Retrofit		20	2000 lm							
			30	3000 lm							
			40	4000 lm							
			60	6000 lm							