

Project name:

Fixture type:

Date:

8" 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.

Specifications

Wattage	31W
Lumens	3000 lm
Color Temp.	4000K
Lamp Type	LED
Beam Angle	60°
CRI	93+
Wet Location	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)



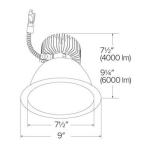
Haze w/White Trim White

850 lm - 3000 lm Series

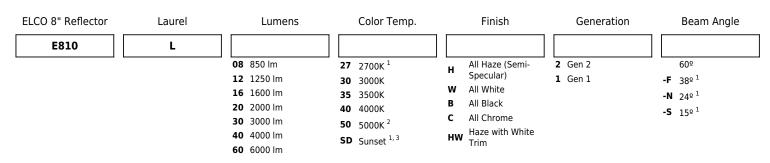


Chrome

4000 lm - 6000 lm Series



Product Number Builder Example: E810L0827W2



¹ Available for lumen packages up to 3000 lm only

² Available for lumen packages 16, 20, 30, 40 and 60 only

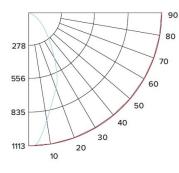
³ Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

LED Light Engine

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

PHOTOMETRIC REPORT	
Product # F810L0830H	

Wattage/Lumens: 10.4W/ 757 Lm Luminaire LPW: 73 Lm/W



CANDLE POWER SUMMARY		
Degrees Vertical	0°	
0	1113	
5	1089	
15	763	
25	582	
35	272	
45	15	
55	0	
65	0	
75	0	
85	0	
90	0	

ILLUMINANCE AT A DISTANCE

Distance to Target Plane Footcandles Beam Center Beam Diameter

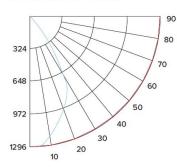
4'	69.6	3.9'
6'	30.9	5.9'
8'	17.4	7.9'
10'	11.1	9.9'

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	575.98	76.10
0-40°	739.82	97.70
0-60°	757.24	100.00
0-90°	757.24	100.00

PHOTOMETRIC REPORT

Product #: E810L1235 Wattage/Lumens: 15.8W/ 1117 Lm Luminaire LPW: 71 Lm/W



CANDLE POWER SUMMARY			
Degrees Vertical	0°		
0	1295		
5	1296		
15	1127		
25	838		
35	424		
45	33		
55	0		
65	0		
75	0		
85	0		

90

0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter 4.7' 7.0'	
4'	80.9		
6'	36.0		
8'	20.2	9.3'	
10'	13.0	11.7'	

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	822.54	73.60
0-40°	1080.48	96.70
0-60°	1117.44	100.00
0-90°	1117.46	100.00

Photometric Report

8" Reflector LED Light Engine Trims

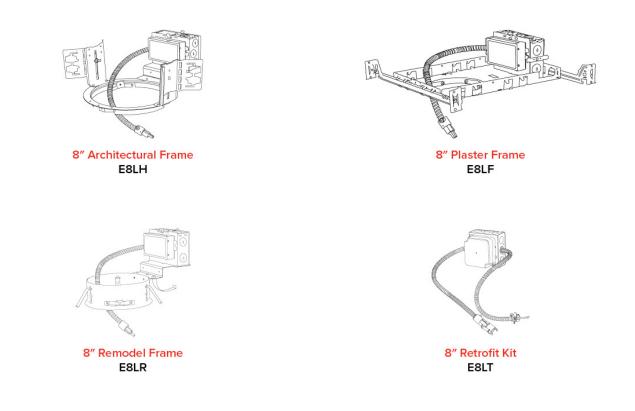
CANDLE POWER SUMMARY PHOTOMETRIC REPORT **ILLUMINANCE AT A DISTANCE** Product #: E810L6030W2 Degress Vertical 0° Distance to Target Plane Center Beam Footcandles Beam Diameter Wattage / Lumens: 70.7 W / 6316.2 Im 7429 4' 0 464 4.6′ Luminaire LPW: 89.3 lm/W 5 7261 6'206 6.9′ 15 5992 8′ 116 9.2 10′ 74.3 11.5′ 80 25 4506 62 35 2654 ZONAL LUMEN SUMMARY 45 321 2,500 Zone Lumens %Luminaire 55 25 65 10 0-30° 4,404.9 69.7 5,00 75 4 0-40° 5,966.7 94.5 85 0 0-60° 6,300.8 99.8 7,50 20 10 -0' H 90 0 0-90° 6,316.2 100

Compatible Products

For use with 8" Laurel[™] Light Engines



8″ Laurel™ Commercial LED Frames



PRODUCT NUMBER BUILDER							
Frame Type	Voltage	Lumen	Dimming		Optional	Gener	ation
E8LH Architectural	U 120/277V	08 850 lm	D Triac/ELV/0-10V	EM1	Emergency Backup up to 700 lm output	(blank)	Gen 1
E8LF Plaster		12 1250 lm	S Sunset	EM2	Emergency Backup up to 1100 lm output	2	Gen 2
E8LR Remodel		16 1600 lm	L Lutron				
E8LT Retrofit		20 2000 lm					
		30 3000 lm					
		40 4000 lm					
		60 6000 lm					