

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.

Specifications

Wattage

31W

Lumens

3000 lm

Color Temp.

SunsetK

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



Black



Chrome



All Haze(semi-specular)

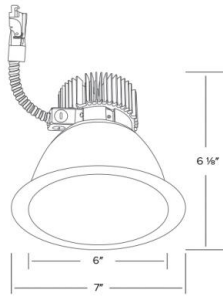


Haze w/White Trim

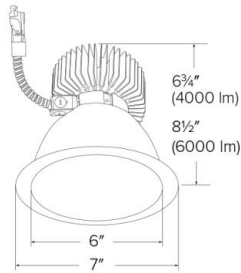


White

850 lm - 3000 lm Series



4000 lm - 6000 lm Series



Product Number Builder

Example: E610L0827W2

ELCO 6" Reflector	Laurel	Lumens	Color Temp.	Finish	Generation	Beam Angle
E610	L					
		08 850 lm	27 2700K ¹	W All White	2 Gen 2	60°
		12 1250 lm	30 3000K	B All Black	1 Gen 1	-F 38° ¹
		16 1600 lm	35 3500K	C All Chrome		-N 24° ¹
		20 2000 lm	40 4000K	H All Haze (Semi-Specular)		-S 15° ¹
		30 3000 lm	50 5000K	HW Haze with White Trim		
		40 4000 lm	SD Sunset ^{1, 2}			
		60 6000 lm				

¹ Available for lumen packages up to 3000 lm only

² Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

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

Degrees Vertical	0°
0	3415
5	3340
15	2706
25	2171
35	925
45	85
55	3
65	1
75	1
85	0
90	0

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	213	4.5'
6'	94.9	6.8'
8'	53.4	9.1'
10'	34.1	11.3'

Zone	Lumens	% Luminaire
0-30°	2035.49	75.00
0-40°	2618.32	96.50
0-60°	2712.27	99.90
0-90°	2714.31	100.00

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

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

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'

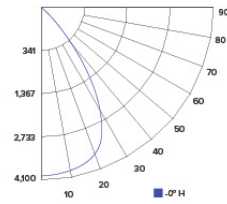
Zone	Lumens	% Luminaire
0-30°	590.01	78.00
0-40°	736.59	97.40
0-60°	755.62	99.90
0-90°	756.24	100.00

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

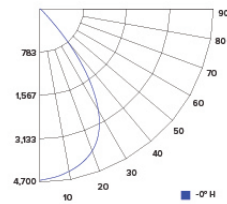
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	251	5.2'
6'	112	7.9'
8'	62.8	10.5'
10'	40.2	13.1'

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

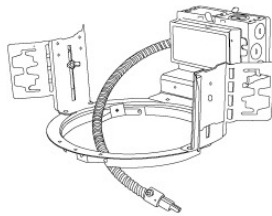
Zone	Lumens	%Luminaire
0-30°	3,157.7	65.9
0-40°	4,360.9	91
0-60°	4,763.7	99.4
0-90°	4,791.9	100

Compatible Products

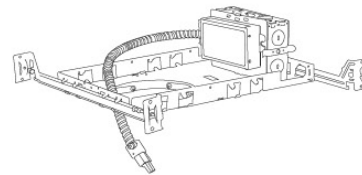
For use with 6" Laurel™ Light Engines



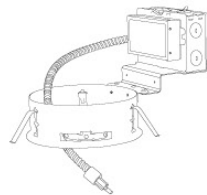
6" Laurel™ Commercial LED Frames



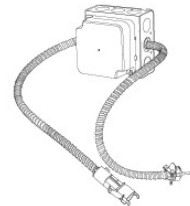
6" Architectural Frame
E6LH



6" Plaster Frame
E6LF



6" Remodel Frame
E6LR



6" Retrofit Kit
E6LT

PRODUCT NUMBER BUILDER

Frame Type		Voltage	Lumen	Dimming	Optional	Generation
E6LH	Architectural	U 120/277V	08 850 lm	D Triac/ELV/0-10V	EM1 Emergency Backup up to 700 lm output	(blank) Gen 1
E6LF	Plaster		12 1250 lm	S 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			