

9" 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).
- Meets the requirements for Title 24.
- 2 at the end of the item number denotes Generation 2.
Please note Gen 2 and Gen 1 are not cross compatible.

Specifications

Wattage	18W
Lumens	1600 lm
Color Temp.	4000K
Lamp Type	LED
Beam Angle	60°
CRI	93+
Wet Location	Listed

Options



Black



Chrome



All Haze(semi-specular)



Haze w/White Trim



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:

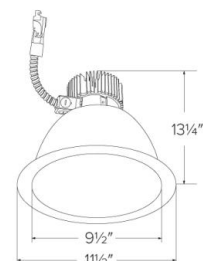
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

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.

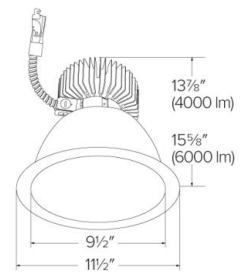
Listings: cULus Listed for Wet Location. RoHS Compliant.

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

850 lm - 3000 lm Series



4000 lm - 6000 lm Series



Product Number Builder Example: E910L0827W2

ELCO 9" Reflector	Laurel	Lumens	Color Temp.	Finish	Generation	Beam Angle
E910	L					
		08 850 lm	27 2700K ¹	H All Haze (Semi-Specular)	2 Gen 2	60°
		12 1250 lm	30 3000K	W All White	1 Gen 1	-F 38° ¹
		16 1600 lm	35 3500K	B All Black		-N 24° ¹
		20 2000 lm	40 4000K	C All Chrome		-S 15° ¹
		30 3000 lm	50 5000K ²	HW Haze with White Trim		
		40 4000 lm	SD Sunset ^{1, 3}			
		60 6000 lm				

¹ Available for lumen packages up to 3000 lm only

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

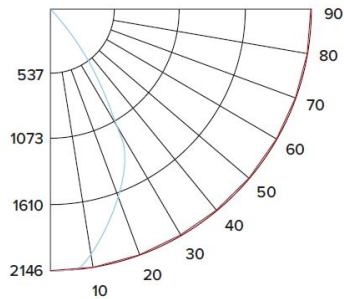
³ Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed to 1800K when dimmed

LED Light Engine

Multiplier: 2700K (x 0.88), 3000K (x 0.92), 3500K (x 0.96)

PHOTOMETRIC REPORT

Product #: E910L2040
Wattage/Lumens: 23.2W/ 1850 Lm
Luminaire LPW: 80 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	2144
5	2146
15	1866
25	1388
35	702
45	55
55	0
65	0
75	0
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	134	4.7'
6'	59.6	7.0'
8'	33.5	9.3'
10'	21.4	11.7'

ZONAL LUMEN SUMMARY

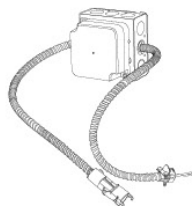
Zone	Lumens	% Luminaire
0-30°	1361.91	73.60
0-40°	1789.01	96.70
0-60°	1850.2	100.00
0-90°	1850.23	100.00

Compatible Products

For use with 9" Laurel™ Light Engines



9" Laurel™ Commercial LED Frames



E9LT
9" Retrofit Kit

PRODUCT NUMBER BUILDER

Frame Type		Voltage	Lumen		Dimming	Optional		Generation	
E9LT	Retrofit	U 120/277V	08	850 lm	D Triac/ELV/0-10V S Sunset L Lutron	EM1	Emergency Backup up to 700 lm output	Gen 1	
			12	1250 lm					
			16	1600 lm		EM2	Emergency Backup up to 1100 lm output	2 Gen 2	
			20	2000 lm					
			30	3000 lm					
			40	4000 lm					
			60	6000 lm					