

8" Reflector LED Light Engine Trims (850-3000 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	18W
Lumens	1600 lm
Color Temp.	5000K
Lamp Type	LED
Beam Angle	60°
CRI	93+
Wet Location	Listed

Options



Black



Chrome



Haze



Haze w/White Ring



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:

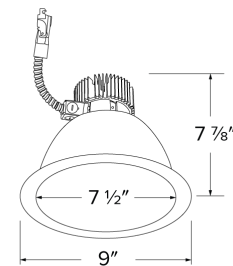
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

Listings:

- cULus Listed for Wet Location.
- RoHS Compliant.

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

Dimensions



Product Number Builder Example: E810L0827W2

ELCO 8" Reflector	Laurel	Lumens	Color Temp.	Finish
E810	L	08 850 lm	27 2700K	H All Haze

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

LED Light Engine

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

PHOTOMETRIC REPORT

Product #: E810L0830H
 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

LED Light Engine

Multiplier: 2700K (x 0.92), 3000K (x 0.96), 4000K (x 1.04)

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'	80.9	4.7'
6'	36.0	7.0'
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

Compatible Products



For use with 8" Laurel™ Light Engines

8" Laurel™ Commercial LED Frames



8" Architectural Frame
E8LH



8" Plaster Frame
E8LF



8" Remodel Frame
E8LR



8" Retrofit Kit
E8LT

PRODUCT NUMBER BUILDER

Frame Type	Voltage	Lumen	Dimming	Optional	Generation
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			