

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.	4000K
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:

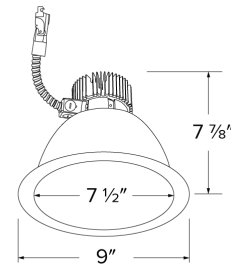
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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			