

8" Reflector LED Light Engine Trims (4000-6000 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	36.8W - 71.4W
Lumens	4000 lm - 6000 lm
Color Temp.	3000K - 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:

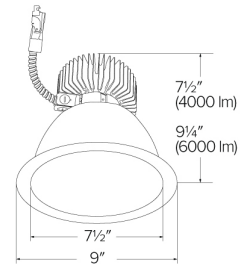
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

Listings:

- cULus Listed for Wet Location.
- RoHS Compliant.

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

Dimensions



Product Number Builder Example: E810L4030W2

ELCO 8" Reflector	Laurel	Lumens	Color Temp.	Finish
E810	L	40 4000 lm	30 3000K	H All Haze

Generation

Gen 1

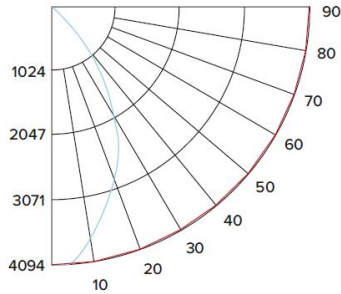
2 Gen 2

LED Light Engine

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08), 5000K (x 1.12)

PHOTOMETRIC REPORT

Product #: E810L4030H
Wattage/Lumens: 35.6W/ 3527 Lm
Luminaire LPW: 99 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	4094
5	4009
15	3336
25	2510
35	1481
45	182
55	13
65	5
75	1
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	256	4.6'
6'	114	7.0'
8'	64.0	9.3'
10'	40.9	11.6'

ZONAL LUMEN SUMMARY

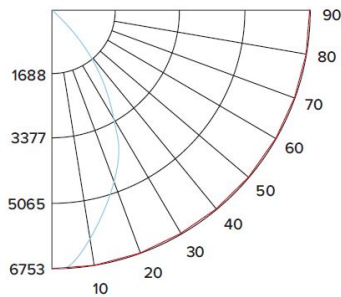
Zone	Lumens	% Luminaire
0-30°	2453.47	69.60
0-40°	3329.87	94.40
0-60°	3520.38	99.80
0-90°	3527.05	100.00

LED Light Engine

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08), 5000K (x 1.12)

PHOTOMETRIC REPORT

Product #: E810L6030H
Wattage/Lumens: 70.3W/ 5751 Lm
Luminaire LPW: 82 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	6753
5	6601
15	5447
25	4096
35	2413
45	292
55	23
65	10
75	4
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	422	4.6'
6'	188	6.9'
8'	106	9.2'
10'	67.5	11.5'

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	4009.32	69.70
0-40°	5431.93	94.50
0-60°	5736.73	99.80
0-90°	5750.7	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			