ELCO Lighting

Project name:

Fixture type:

Date:

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	71.4W
Lumens	6000 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:

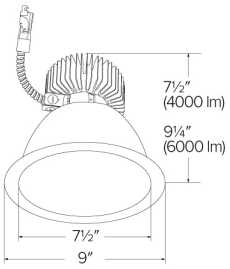
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

Listings:

- cULus Listed for Wet Location.
- RoHS Compliant.

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

Dimensions



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Product Number Builder

Example: **E810L4030W2**

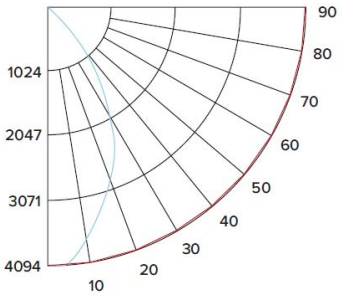
ELCO 8" Reflector	Laurel	Lumens	Color Temp.	Finish	Generation
E810	**L**				
		40 4000 lm	**30** 3000K	**H** All Haze	Gen 1
		60 6000 lm	**35** 3500K	**W** All White	**2** Gen 2
			40 4000K	**B** All Black	
			50 5000K	**C** All Chrome	
				HW Haze w/White Ring	

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

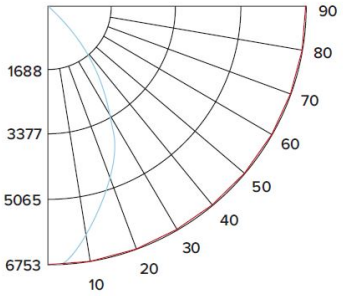
Zone	Lumens	% Luminaire
0-30°	2453.47	69.60
0-40°	3329.87	94.40
0-60°	3520.38	99.80
0-90°	3527.05	100.00

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

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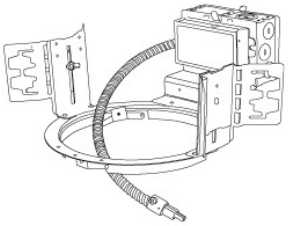
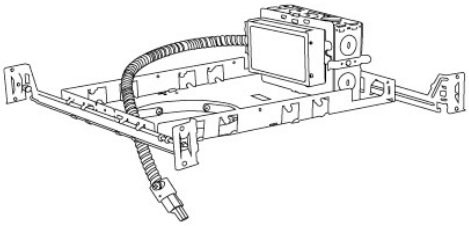
Compatible Products

For use with **8″ Laurel™ Light Engines**

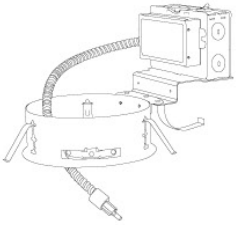
8″ Laurel™ Commercial LED Frames



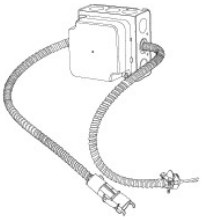
8″ Architectural Frame
E8LH



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			

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