ELCO Lighting

Project name:

Fixture type:

Date:

6" LED Light Engine with Adjustable Trim (4000-6000 lm)

Features

- 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
Voltage	
Color Temp.	3500K
Dimmable	
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. Integral gimbal ring has adjustability up to ±25° ideal for sloped ceilings and wall wash applications.

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:

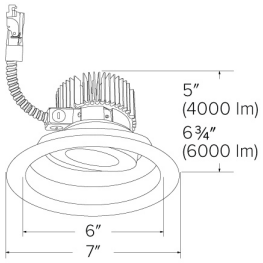
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

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: **E618L0827W2**

ELCO 6" Adjustable	Laurel	Lumens	Color Temp.	Finish	Generation
E618	**L**				
		40 4000 lm	**30** 3000K	**W** All White	Gen 1
		60 6000 lm	**35** 3500K	**B** All Black	**2** Gen 2
			40 4000K	**C** All Chrome	
			50 5000K	**H** All Haze	
				HW Haze w/White Ring	

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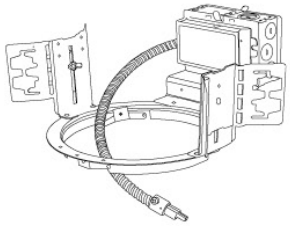
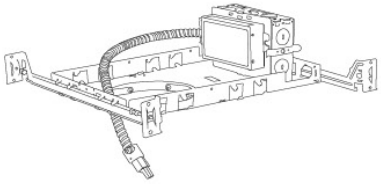
Compatible Products

For use with **6″ Laurel™ Light Engines**

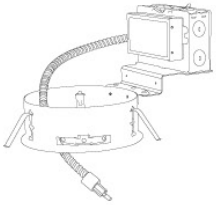
6″ Laurel™ Commercial LED Frames



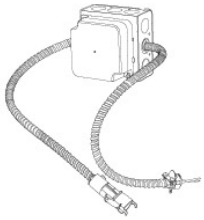
6″ Architectural Frame
E6LH



6″ Plaster Frame
E6LF



6″ Remodel Frame
E6LR



6″ Retrofit Kit
E6LT

PRODUCT NUMBER BUILDER

Frame Type		Voltage		Lumen		Dimming		Optional		Generation	
E6LH	Architectural	**U**	120/277V	**08**	850 lm	**D**	Triac/ELV/0-10V	**EM1**	Emergency Backup up to 700 lm output	**(blank)**	Gen 1
E6LF	Plaster			**12**	1250 lm	**S**	Sunset	**EM2**	Emergency Backup up to 1100 lm output	**2**	Gen 2
E6LR	Remodel			**16**	1600 lm	**L**	Lutron				
E6LT	Retrofit			**20**	2000 lm						
				30	3000 lm						
				40	4000 lm						
				60	6000 lm						

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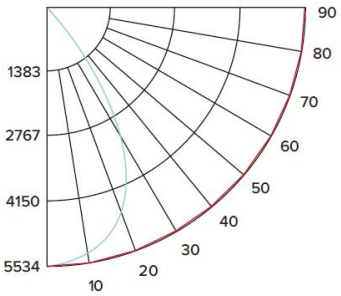
LED Light Engine

Multiplier: 2700K (x 0.88), 3000K (x 0.92), 3500K (x 0.96), 5000K (x 1.04)

PHOTOMETRIC REPORT

Product #: E618L6040H
Wattage/Lumens: 70.3W/ 5668 Lm
Luminaire LPW: 81 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	5534
5	5468
15	4935
25	4019
35	2330
45	476
55	69
65	23
75	8
85	1
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4’	346	5.2’
6’	154	7.9’
8’	86.5	10.5’
10’	55.3	13.1’

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	3733.68	65.90
0-40°	5157.83	91.00
0-60°	5634.92	99.40
0-90°	5668.25	100.00

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