

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	12.8W
Lumens	1250 lm
Voltage	
Color Temp.	4000K
Dimmable	
Lamp Type	LED
Beam Angle	60°
CRI	93+
Wet Location	Listed

# **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  $\pm 25^{\circ}$  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:**

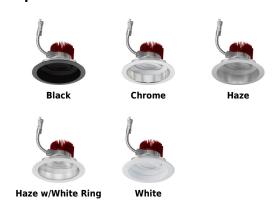
- Extremely accurate Color Rendering Index of 93+ CRI.
- Efficacy of >90 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing ELCO Red heat sink.
- Instant On to Full Brightness technology.
- No LED pixilation.

### Listings:

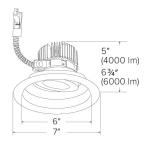
- cULus Listed for Wet Location.
- · RoHS Compliant.

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

# **Options**



# **Dimensions**



# Product Number Builder Example: E618L0827W2

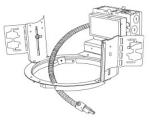
ELCO 6" Adjustable	Laurel	Lumens	Color Temp.	Finish	Generation
E618	L				
		<b>40</b> 4000 lm	<b>30</b> 3000K	<b>W</b> All White	Gen 1
		<b>60</b> 6000 lm	<b>35</b> 3500K	<b>B</b> All Black	<b>2</b> Gen 2
			<b>40</b> 4000K	C All Chrome	
			<b>50</b> 5000K	<b>H</b> All Haze	
				HW Haze w/White Ring	

# **Compatible** Products

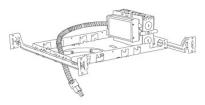


For use with **6" Laurel™ Light Engines** 

# 6" Laurel™ Commercial LED Frames



6" Architectural Frame E6LH



6" Plaster Frame E6LF



6" Remodel Frame E6LR



6" Retrofit Kit E6LT

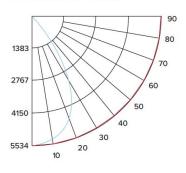
PRODUCT NUMBER BUILDER											
Fr	ame Type	Voltage		Lumen		Dimming		Optional	ıF	Gener	ation
E6LH	Architectural	<b>U</b> 120/277V	08	850 lm	D	Triac/ELV/0-10V	EM1	Emergency Backup up to 700 lm output		(blank)	Gen 1
E6LF	Plaster		12	1250 lm	S	Sunset	EM2	Emergency Backup up to 1100 lm output		2	Gen 2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

# **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	O°
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	