

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.	2700K
Dimmable	
Lamp Type	LED
Beam Angle	60°
CRI	93+
Wet Location	Listed

Options



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.

Dimensions



Product Number Builder Example: **E618L0827W2**

ELCO 6" Adjustable

Laurel

Lumens

Color Temp.

Finish

Generation

E618

L

40 4000 lm
60 6000 lm

30 3000K
35 3500K
40 4000K
50 5000K

W All White
B All Black
C All Chrome
H All Haze
HW Haze w/White Ring

Gen 1
2 Gen 2

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

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