

# 6" LED Light Engine with Drop Glass Trim (850-6000 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

<b>Wattage</b>	71.4W
<b>Lumens</b>	6000 lm
<b>Color Temp.</b>	4000K
<b>Lamp Type</b>	LED
<b>Beam Angle</b>	60°
<b>CRI</b>	93+
<b>Wet Location</b>	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. Reflector allows for minimal glare and a strong glare cut-off. Drop glass helps to virtually eliminate glare.

**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.

**Sunset:** Sunset color temperature is our dim-to-warm LED technology that allows the color temperature to become warmer as the product is dimmed. Our SUNSET items start at 3000K and go as low as 1800K when dimmed. For Sunset dim technology be sure to order an item with "Sunset" in the Color Temperature (CCT) attribute.

**Listings:** cULus Listed for Wet Location. RoHS Compliant.

## Options



Black



Chrome



All Haze(semi-specular)

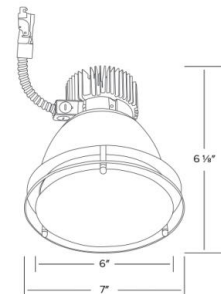


Haze w/White Trim



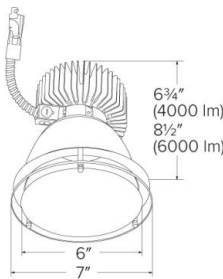
White

## 850 lm - 3000 lm Series



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

4000 lm - 6000 lm Series



Product Number Builder Example: E612L0827W2

ELCO 6" Drop Glass	Laurel	Lumens	Color Temp.	Finish	Generation	Beam Angle
E612	L					
		08 850 lm	27 2700K <sup>1</sup>	W All White	2 Gen 2	60°
		12 1250 lm	30 3000K	B All Black	1 Gen 1	-F 38° <sup>1</sup>
		16 1600 lm	35 3500K	C All Chrome		-N 24° <sup>1</sup>
		20 2000 lm	40 4000K	H All Haze (Semi-Specular)		-S 15° <sup>1</sup>
		30 3000 lm	50 5000K			
		40 4000 lm	SD Sunset <sup>1, 2</sup>	HW Haze with White Trim		
		60 6000 lm				

<sup>1</sup> Available for lumen packages up to 3000 lm only

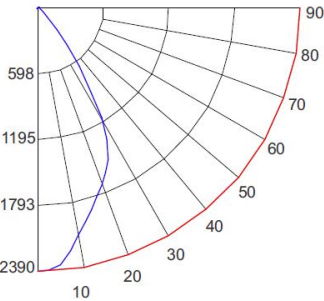
<sup>2</sup> Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

LED Light Engine with Drop Glass Trim

Multiplier: 2700K (x 0.92), 3000K (x 0.96), 4000K (x 1.04)

PHOTOMETRIC REPORT

Product #: E612L2035H  
Wattage/Lumens: 21.6W/ 1900 lm  
Luminaire LPW: 88 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	2390
5	2338
15	1894
25	1519
35	648
45	59
55	2
65	1
75	0
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	149	4.5'
6'	66.4	6.8'
8'	37.3	9.1'
10'	23.9	11.3'

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	1424.84	75.00
0-40°	1832.83	96.50
0-60°	1898.59	99.90
0-90°	1900.02	100.00

# Compatible Products

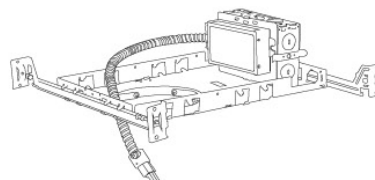
For use with 6" Laurel™ Light Engines



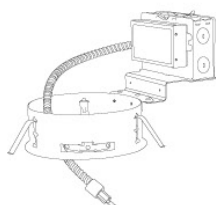
## 6" Laurel™ Commercial LED Frames



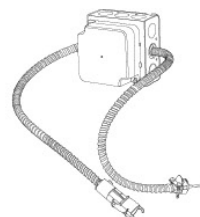
**6" Architectural Frame**  
**E6LH**



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