

# 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>	31W
<b>Lumens</b>	3000 lm
<b>Color Temp.</b>	5000K
<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)**

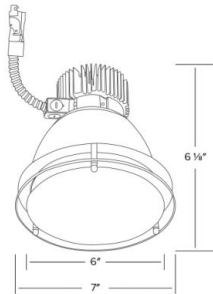


**Haze w/White Trim**



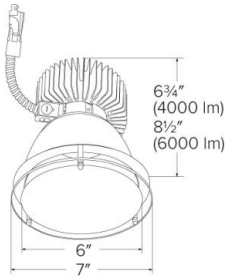
**White**

## 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
<b>E612</b>	<b>L</b>					
		<b>08</b> 850 lm <b>12</b> 1250 lm <b>16</b> 1600 lm <b>20</b> 2000 lm <b>30</b> 3000 lm <b>40</b> 4000 lm <b>60</b> 6000 lm	<b>27</b> 2700K <sup>1</sup> <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K <b>50</b> 5000K <b>SD</b> Sunset <sup>1, 2</sup>	<b>W</b> All White <b>B</b> All Black <b>C</b> All Chrome <b>H</b> All Haze (Semi-Specular) <b>HW</b> Haze with White Trim	<b>2</b> Gen 2 <b>1</b> Gen 1	60° <b>-F</b> 38° <sup>1</sup> <b>-N</b> 24° <sup>1</sup> <b>-S</b> 15° <sup>1</sup>

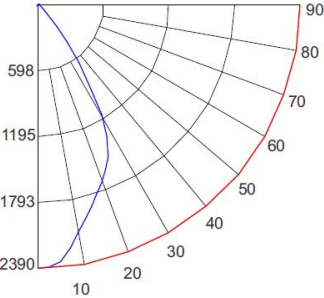
<sup>1</sup> Available for lumen packages up to 3000 lm only  
<sup>2</sup> Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

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



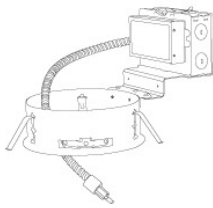
## 6" Laurel™ Commercial LED Frames



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"/>
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			