

# 6" LED Light Engine with Drop Glass Trim (850-3000 lm)








Features	Specifications														
<ul style="list-style-type: none"> <li>Dimmable Triac/ELV or 0-10V.</li> <li>USA Designed and Assembled.</li> <li>Frame sold separately (see Compatible Housings).</li> <li>2 at the end of the item number denotes Generation 2. Please note Gen 2 and Gen 1 are not cross compatible.</li> </ul>	<table> <tr> <td><b>Wattage</b></td><td>8.8W - 31W</td></tr> <tr> <td><b>Lumens</b></td><td>850 lm - 3000 lm</td></tr> <tr> <td><b>Color Temp.</b></td><td>2700K - SunsetK</td></tr> <tr> <td><b>Lamp Type</b></td><td>LED</td></tr> <tr> <td><b>Beam Angle</b></td><td>60°</td></tr> <tr> <td><b>CRI</b></td><td>93+</td></tr> <tr> <td><b>Wet Location</b></td><td>Listed</td></tr> </table>	<b>Wattage</b>	8.8W - 31W	<b>Lumens</b>	850 lm - 3000 lm	<b>Color Temp.</b>	2700K - SunsetK	<b>Lamp Type</b>	LED	<b>Beam Angle</b>	60°	<b>CRI</b>	93+	<b>Wet Location</b>	Listed
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## Technical Details

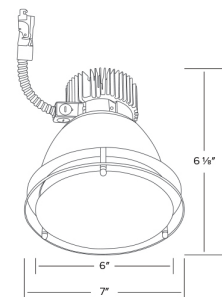
- Optics:** Frosted polycarbonate lens diffuses light evenly throughout while reducing glare with LED technology.
- Reflector Construction:** Reflector is one piece, deep, self-flanged construction spun from .05" thick High Grade Aluminum. Reflector allows for minimal glare and a strong glare cut-off. 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.
- Listings:**
- cULus Listed for Wet Location.
  - RoHS Compliant.

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

Options			
			
	Black	Chrome	Haze
			
	Haze w/White Ring	White	

## Dimensions



## Product Number Builder Example: E612L0827W2

ELCO 6" Drop Glass	Laurel	Lumens	Color Temp.	Finish
E612	L			

08 850 lm  
12 1250 lm  
16 1600 lm  
20 2000 lm  
30 3000 lm

27 2700K  
30 3000K  
35 3500K  
40 4000K  
50 5000K  
SD Sunset

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

Generation

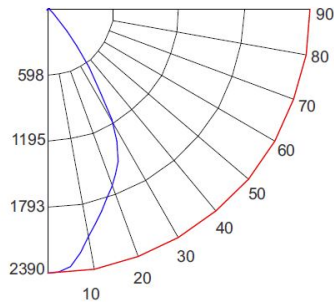
Gen 1  
2 Gen 2

## 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

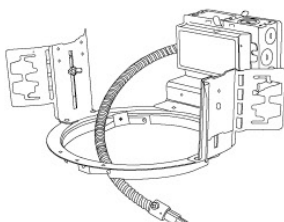
Zone	Lumens	% Luminaire
0-30°	1424.84	75.00
0-40°	1832.83	96.50
0-60°	1898.59	99.90
0-90°	1900.02	100.00

# Compatible Products

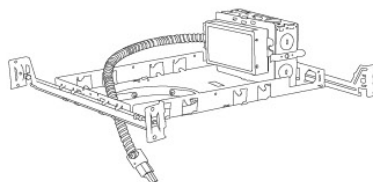
For use with 6" Laurel™ Light Engines



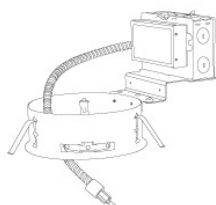
## 6" Laurel™ Commercial LED Frames



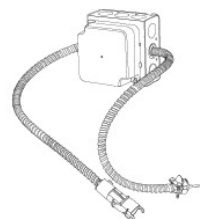
**6" Architectural Frame**  
**E6LH**



**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			