

# 6" LED Light Engine with Drop Glass Trim

The perfect lighting solution for high-end residential and light commercial projects.



## Features

- High efficacy LED module.
- Triac/ELV/0-10V dimming.
- Life span of 50,000 hours L70.
- USA designed and assembled.
- Limited 5 year warranty.
- 2 at the end of the item number denotes Generation 2.  
Please note Gen 2 and Gen 1 are not cross compatible.

## Specifications

Wattage	8.76W - 20.6W
Lumens	850 lm - 2000 lm
Color Temp.	2700K - SunsetK
Lamp Type	LED
Beam Angle	60°
CRI	93+
Damp Location	Listed

## Options



All White



Haze w/White Trim



Gold w/White Trim



Chrome w/White Trim



All Bronze



Black w/White Trim

## Technical Details

**Optics:** Frosted polycarbonate module lens diffuses light evenly throughout while reducing glare with LED technology.

**Trim Construction:** Reflector is two piece trim for maximum color versatility. Design allows for minimal glare and a strong glare cut-off. Trim is constructed of metal for lasting durability.

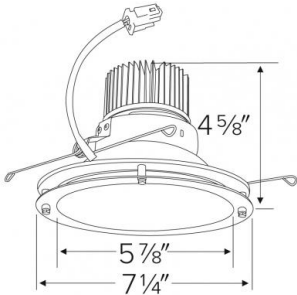
**Installation:** Must be installed on a Cedar™ System frame with compatible lumen rating. Frames are available for New Construction and Remodel as IC or non-IC.

**LED Technology:** Extremely accurate Color Rendering Index of 93+. Efficacy of 97 lumens per watt. Lumen Maintainece 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 pixelation.

**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:** cUL Listed, Wet Location. RoHS Compliant. California Title 24 (JA8-2016-E).

## Dimensions



Product Number Builder Example: E612C0827W2

ELCO 6" Drop Glass	Lumens	Color Temp.	Finish	Generation	Beam Angle
E612C					
	08 850 lm	27 2700K	W All White	2 Gen 2	60° lens
	12 1250 lm	30 3000K	BZ All Bronze	1 Gen 1	-F 38° lens
	16 1600 lm	35 3500K	B Black with White Trim		-N 24° lens
	20 2000 lm	40 4000K	C Chrome with White Trim		-S 15° lens
		50 5000K	H Haze with White Trim		
		SD Sunset <sup>1</sup>	G Gold with White Trim		

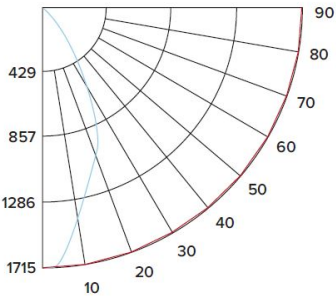
<sup>1</sup> Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

LED Light Engine

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08)

PHOTOMETRIC REPORT

Product #: E612C1230  
Wattage/Lumens: 15.7W/ 1076 Lm  
Luminaire LPW: 69 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	1715
5	1614
15	1099
25	864
35	322
45	24
55	1
65	1
75	0
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	107	3.8'
6'	47.6	5.6'
8'	26.8	7.5'
10'	17.1	9.4'

ZONAL LUMEN SUMMARY

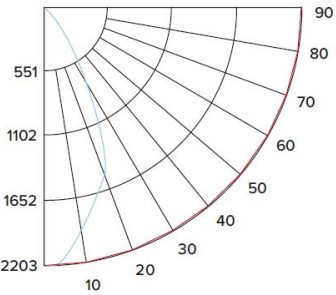
Zone	Lumens	% Luminaire
0-30°	839.73	78.00
0-40°	1048.35	97.40
0-60°	1075.43	99.90
0-90°	1076.31	100.00

LED Light Engine

Multiplier: 2700K (x 0.96), 3500 (x 1.04), 4000K (x 1.08)

PHOTOMETRIC REPORT

Product #: E612C2030  
Wattage/Lumens: 21.6W/ 1751 Lm  
Luminaire LPW: 81 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	2203
5	2155
15	1746
25	1401
35	597
45	55
55	2
65	1
75	0
85	0
90	0

ILLUMINANCE AT A DISTANCE



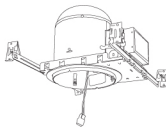
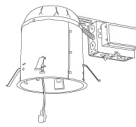
Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	138	4.5'
6'	61.2	6.8'
8'	34.4	9.1'
10'	22.0	11.3'

ZONAL LUMEN SUMMARY

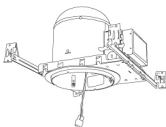
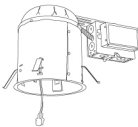
Zone	Lumens	% Luminaire
0-30°	1313.28	75.00
0-40°	1689.32	96.50
0-60°	1749.93	99.90
0-90°	1751.25	100.00

For use with 6" Cedar™ Light Engines

6" Cedar™ Dedicated LED ICA Housings

			
2-Hour Fire Rated 6" ICA Housing New Construction	6" ICA Housing New Construction	6" ICA Housing New Construction	6" ICA Housing Remodel
CAT NO. SPECIFICATIONS	CAT NO. SPECIFICATIONS	CAT NO. SPECIFICATIONS	CAT NO. SPECIFICATIONS
E6FH Up to 1250lm	E6LC Up to 2000lm	E6LC Up to 1250lm	E6LRC Up to 1250lm

6" Cedar™ Dedicated LED Non-IC Housings

	
6" Non-IC Housing New Construction	6" Non-IC Housing Remodel
CAT NO. SPECIFICATIONS	CAT NO. SPECIFICATIONS
E6LC Up to 2000lm	E6LRC Up to 2000lm

PRODUCT NUMBER BUILDER				
Housing Type	Lumen	ICA Airtight	Dimming	Optional
<div>E6FH</div> Fire Rated	<div>08</div> 850 lm	<div>(Blank)</div> Non-IC	<div>(Blank)</div> 120V Triac/ELV	<div>EM1</div> Emergency Backup up to 700 lm output
<div>E6LC</div> New Construction	<div>12</div> 1250 lm	<div>ICA</div> IC Airtight	<div>D</div> 120/277V Triac/ELV/0-10V	<div>EM2</div> Emergency Backup up to 1100 lm output
<div>E6LRC</div> Remodel	<div>16</div> 1600 lm		<div>L</div> Lutron	
	<div>20</div> 2000 lm			