

# 6" LED Light Engine with Reflector 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

<b>Wattage</b>	8.76W
<b>Lumens</b>	850 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

## Options



## 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.

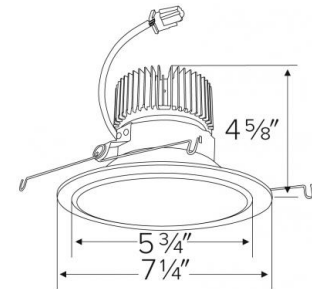
### LED Technology:

- Extremely accurate Color Rendering Index of 93+.
- Efficacy of 97 lumens per watt.
- Lumen 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 pixelation.

### Listings:

- UL Listed for Wet Location.
- RoHS Compliant.
- California Title 24 (JA8-2016-E).

## Dimensions



## Product Number Builder Example: E610C0827W2

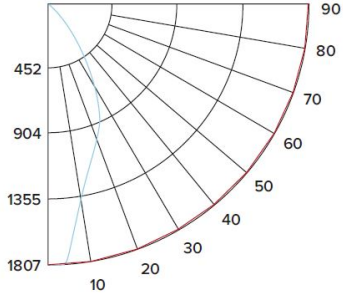
ELCO 6" Reflector	Lumens	Color Temp.	Finish	Generation
<b>E610C</b>				
	<b>08</b> 850 lm <b>12</b> 1250 lm <b>16</b> 1600 lm <b>20</b> 2000 lm	<b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K	<b>W</b> All White <b>BZ</b> All Bronze <b>B</b> Black w/White Ring <b>C</b> Chrome w/White Ring	<b>1</b> Gen 1 <b>2</b> Gen 2

## LED Light Engine

Multiplier: 2700K (x 0.96), 3000K (x 1.04), 3500K (x 1.08), 4000K (x 1.12)

### PHOTOMETRIC REPORT

Product #: E610C1230  
Wattage/Lumens: 12.7W/ 1134 Lm  
Luminaire LPW: 89 Lm/W



### CANDLE POWER SUMMARY

Degrees Vertical	0°
0	1807
5	1701
15	1159
25	911
35	339
45	25
55	1
65	1
75	0
85	0
90	0

### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	113	3.8'
6'	50.2	5.6'
8'	28.2	7.5'
10'	18.1	9.4'

### ZONAL LUMEN SUMMARY

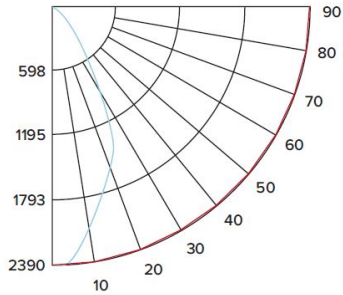
Zone	Lumens	% Luminaire
0-30°	885.02	78.00
0-40°	1104.89	97.40
0-60°	1133.43	99.90
0-90°	1134.36	100.00

## LED Light Engine

Multiplier: 3000K (x 1.04), 3500K (x 1.08), 4000K (x 1.12)

### PHOTOMETRIC REPORT

Product #: E610C2027  
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" Cedar™ Light Engines

## 6" Cedar™ Dedicated LED ICA Housings



2-Hour Fire Rated  
6" ICA Housing  
**New Construction**



6" ICA Housing  
**New Construction**



6" 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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>E6FH</b> Fire Rated	<b>08</b> 850 lm	<b>(Blank)</b> Non-IC	<b>(Blank)</b> 120V Triac/ELV	<b>EM1</b> Emergency Backup up to 700 lm output
<b>E6LC</b> New Construction	<b>12</b> 1250 lm	<b>ICA</b> IC Airtight	<b>D</b> 120/277V Triac/ELV/0-10V	<b>EM2</b> Emergency Backup up to 1100 lm output
<b>E6LRC</b> Remodel	<b>16</b> 1600 lm		<b>L</b> Lutron	
	<b>20</b> 2000 lm			