

# 6" LED Light Engine with Baffle 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+
Wet Location	Listed

## Options



All White



Black w/White ring



All Bronze

## 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.

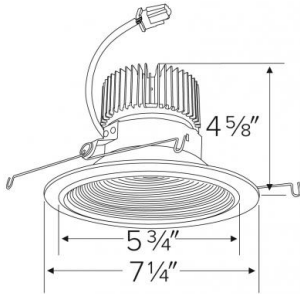
### LED Technology:

- Extremely accurate Color Rendering Index of 93+.
- Efficacy of 97 lumens per watt.
- Lumen Maintaince 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 for Wet Location. RoHS Compliant. California Title 24 (JA8-2016-E).

## Dimensions



Product Number Builder

Example: E614C0827W2

ELCO 6" Baffle

E614C

Lumens

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

Color Temp.

27 2700K  
30 3000K  
35 3500K  
40 4000K  
50 5000K  
SD Sunset <sup>1</sup>

Finish

W All White  
B Black with White Trim  
BZ All Bronze  
BB All Black

Generation

2 Gen 2  
1 Gen 1

Beam Angle

60° lens  
-F 38° lens  
-N 24° lens  
-S 15° lens

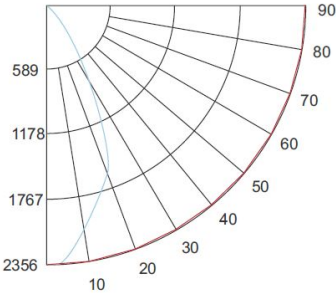
<sup>1</sup> Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

LED Light Engine

Multiplier: 2700K (x 0.88), 3000K (x 0.92), 3500K (x 0.96)

PHOTOMETRIC REPORT

Product #: E614C2040  
Wattage/Lumens: 21.6W/ 1873 Lm  
Luminaire LPW: 87 Lm/W



CANDLE POWER SUMMARY

Degrees Vertical	0°
0	2356
5	2304
15	1867
25	1498
35	638
45	58
55	2
65	1
75	0
85	0
90	0

ILLUMINANCE AT A DISTANCE


Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	147	4.5'
6'	65.4	6.8'
8'	36.8	9.1'
10'	23.6	11.3'

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	1404.49	75.00
0-40°	1806.64	96.50
0-60°	1871.47	99.90
0-90°	1872.88	100.00


For use with 6" Cedar™ Light Engines

## 6" Cedar™ Dedicated LED ICA Housings



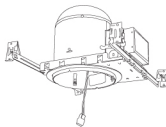
2-Hour Fire Rated  
6" ICA Housing  
New Construction

CAT NO.	SPECIFICATIONS
E6FH	Up to 1250lm



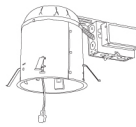
6" ICA Housing  
New Construction

CAT NO.	SPECIFICATIONS
E6LC	Up to 2000lm



6" ICA Housing  
New Construction

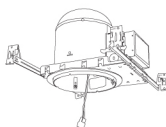
CAT NO.	SPECIFICATIONS
E6LC	Up to 1250lm




6" ICA Housing  
Remodel

CAT NO.	SPECIFICATIONS
E6LRC	Up to 1250lm

## 6" Cedar™ Dedicated LED Non-IC Housings

A technical line drawing of a 6-inch non-IC housing for new construction. It shows a cylindrical body with a mounting bracket on the side and a cable entry at the bottom.

6" Non-IC Housing  
**New Construction**

A technical line drawing of a 6-inch non-IC housing for remodel. It shows a cylindrical body with a mounting bracket on the side and a cable entry at the bottom, similar to the new construction version but with a slightly different mounting bracket design.

6" Non-IC Housing  
**Remodel**

CAT NO.	SPECIFICATIONS
E6LC	Up to 2000lm

CAT NO.	SPECIFICATIONS
E6LRC	Up to 2000lm

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