

# 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

|                     |         |
|---------------------|---------|
| <b>Wattage</b>      | 20.6W   |
| <b>Lumens</b>       | 2000 lm |
| <b>Color Temp.</b>  | 3000K   |
| <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 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

Lumens

Color Temp.

Finish

Generation

Beam Angle

E614C

08 850 lm

12 1250 lm

16 1600 lm

20 2000 lm

27 2700K

30 3000K

35 3500K

40 4000K

50 5000K

SD Sunset <sup>1</sup>

W All White

B Black with White Trim

BZ All Bronze

BB All Black

2 Gen 2

1 Gen 1

60° lens

-F 38° lens

-N 24° lens

-S 15° lens

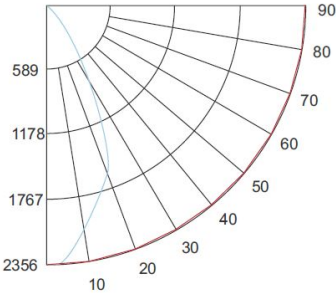
<sup>1</sup> Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

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'            |
| 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



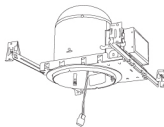
2-Hour Fire Rated  
6" ICA Housing  
New Construction

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| E6FH    | Up to 1250lm   |



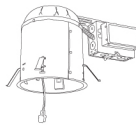
6" ICA Housing  
New Construction

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| E6LC    | Up to 2000lm   |



6" ICA Housing  
New Construction

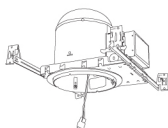
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| E6LC    | Up to 1250lm   |



6" ICA Housing  
Remodel

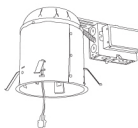
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| E6LRC   | Up to 1250lm   |

6" Cedar™ Dedicated LED Non-IC Housings



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

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| E6LC    | Up to 2000lm   |



6" Non-IC Housing  
**Remodel**

| 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 |              |             |             |                          |             |                                       |