

# 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>      | 8.76W  |
| <b>Lumens</b>       | 850 lm |
| <b>Color Temp.</b>  | 5000K  |
| <b>Lamp Type</b>    | LED    |
| <b>Beam Angle</b>   | 60°    |
| <b>CRI</b>          | 93+    |
| <b>Wet Location</b> | 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.

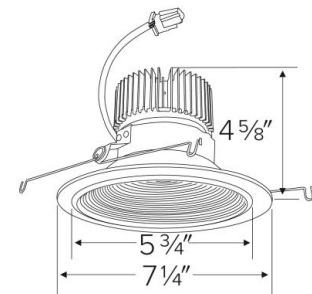
### LED Technology:

- Extremely accurate Color Rendering Index of 93+.
- Efficacy of 97 lumens per watt.
- Lumen Maintainance 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  | 27 2700K               | W All White             | 2 Gen 2    | 60º lens    |
|                | 12 1250 lm | 30 3000K               | B Black with White Trim | 1 Gen 1    | -F 38º lens |
|                | 16 1600 lm | 35 3500K               | BZ All Bronze           |            | -N 24º lens |
|                | 20 2000 lm | 40 4000K               | BB All Black            |            | -S 15º lens |
|                |            | 50 5000K               |                         |            |             |
|                |            | SD Sunset <sup>1</sup> |                         |            |             |

<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



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                                  |
|----------------------|------------------|----------------------|----------------------|----------------------------|-------------------------------------------|
| <input type="text"/> |                  | <input type="text"/> | <input type="text"/> | <input type="text"/>       | <input type="text"/>                      |
| 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           |                      |                            |                                           |