

# 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>       | 12.88W  |
| <b>Lumens</b>        | 1250 lm |
| <b>Color Temp.</b>   | 3500K   |
| <b>Lamp Type</b>     | LED     |
| <b>Beam Angle</b>    | 60°     |
| <b>CRI</b>           | 93+     |
| <b>Damp 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.

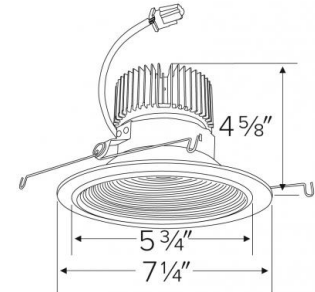
### LED Technology:

- Extremely accurate Color Rendering Index of 93+.
- Efficacy of 97 lumens per watt.
- Lumen 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: E614C0827W2

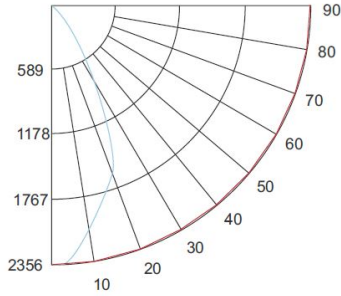
| ELCO 6" Baffle | Lumens            | Color Temp.     | Finish                      | Generation |
|----------------|-------------------|-----------------|-----------------------------|------------|
| <b>E614C</b>   |                   |                 |                             |            |
|                | <b>08</b> 850 lm  | <b>27</b> 2700K | <b>W</b> All White          | Gen 1      |
|                | <b>12</b> 1250 lm | <b>30</b> 3000K | <b>B</b> Black w/White Ring | 2 Gen 2    |
|                | <b>16</b> 1600 lm | <b>35</b> 3500K | <b>BZ</b> All Bronze        |            |
|                | <b>20</b> 2000 lm | <b>40</b> 4000K | <b>BB</b> All Black         |            |

# 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      |

# 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**



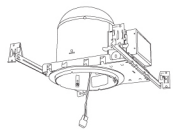
6" ICA Housing  
**New Construction**



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   |
|------------------------------|----------------------|------------------------|-----------------------------------|--|
| <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    |                        |                                   |  |