

# 2" Round LED Baffle Light Engines



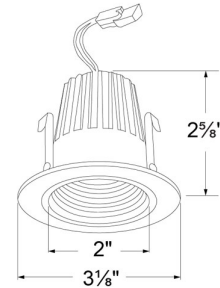
## Features

- Suitable for use in fixtures installed in insulated ceilings.
- Suitable for new construction and remodel housings.
- Suitable for installation into ELCO 2" recessed fixtures with 2-wire connector.
- Diecast construction provides lasting durability.
- CA Title 24 compliant (JA8-2016-E).
- Meets ENERGY STAR requirements.

## Specifications

|                     |                 |
|---------------------|-----------------|
| <b>Wattage</b>      | 9W              |
| <b>Lumens</b>       | 600 lm - 875 lm |
| <b>Color Temp.</b>  | 2700K - 4000K   |
| <b>Lamp Type</b>    | LED             |
| <b>Beam Angle</b>   | 36°             |
| <b>CRI</b>          | 93+             |
| <b>Wet Location</b> | Listed          |

## Dimensions



## Technical Details

**Optics:** PC Lens for even lumen distribution.

**Construction:** Diecast construction for lasting quality and greater heat dissipation. High quality powder coat finish preventing rust and paint cracking.

**Installation:** Must be installed in ELCO 2" Alder System housing; E2LC106ICA, E2LC175ICA, E2LC175RICA, E2LC106, E2LRC106.

### LED Technology:

- Extremely accurate color rendering with 93+ CRI.
- Efficacy of max. 93 lumens per watt.
- Lumen Maintenance of 50,000 hours L70 based on LM80 standardized test results.
- Superior Thermal Management by utilizing aluminum body as heat sink.

**Listings:** UL Listed for Wet Location. ENERGY STAR® Certified. California Title 24 (JA8-2016-E).

**Warranty:** ELCO Products are built to last with a 5-year Limited warranty.

## Product Numbers

| Item              | Lamp type | Lumens | CCT   | Watts | Beam Angle | Finish |
|-------------------|-----------|--------|-------|-------|------------|--------|
| <b>E214C0627W</b> | LED       | 600 lm | 2700K | 9W    | 36°        | White  |
| <b>E214C0630W</b> | LED       | 640 lm | 3000K | 9W    | 36°        | White  |
| <b>E214C0727W</b> | LED       | 800 lm | 2700K | 9W    | 36°        | White  |
| <b>E214C0730W</b> | LED       | 840 lm | 3000K | 9W    | 36°        | White  |
| <b>E214C0735W</b> | LED       | 860 lm | 3500K | 9W    | 36°        | White  |
| <b>E214C0740W</b> | LED       | 875 lm | 4000K | 9W    | 36°        | White  |

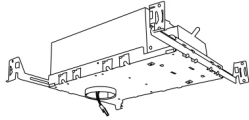
## Product Number Builder Example: E214C0627W

| ELCO 2" Light Engines | Lumens           | Color Temp.  | White    |
|-----------------------|------------------|--|----------|
| <b>E214C</b>          |                  |  | <b>W</b> |
|                       | 06 640<br>07 840 | 27 2700K<br>30 3000K<br>35 3500K (07 only)<br>40 4000K (07 only) |          |

# Compatible Products

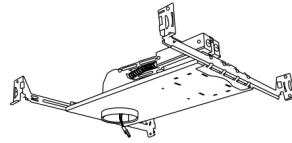
For use with 2" Standard Alder™ LED Light Engines

## 2" Alder™ IC Airtight Housings



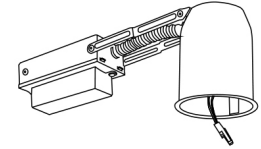
**2" IC Airtight New Construction Housing**

| CAT NO.    | SPECIFICATIONS              |
|------------|-----------------------------|
| E2LC106ICA | 9W/120V/ Triac/ELV Dimmable |



**2" New Construction Housing**

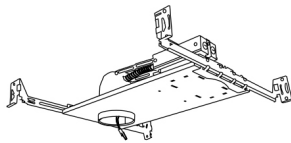
| CAT NO.    | SPECIFICATIONS              |
|------------|-----------------------------|
| E2LC175ICA | 9W/120V/ Triac/ELV Dimmable |



**2" Remodel Housing**

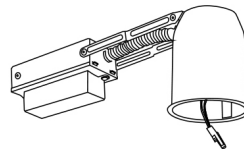
| CAT NO.     | SPECIFICATIONS              |
|-------------|-----------------------------|
| E2LC175RICA | 9W/120V/ Triac/ELV Dimmable |

## 2" Alder™ Non-IC Airtight Housings



**2" New Construction Housing**

| CAT NO. | SPECIFICATIONS              |
|---------|-----------------------------|
| E2LC106 | 9W/120V/ Triac/ELV Dimmable |



**2" Remodel Housing**

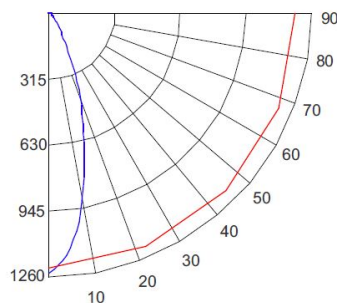
| CAT NO.  | SPECIFICATIONS              |
|----------|-----------------------------|
| E2LRC106 | 9W/120V/ Triac/ELV Dimmable |

## 2" Round LED Baffle Light Engine

Multiplier: 3000K (x 1.04)

### PHOTOMETRIC REPORT

Product #: E214C0627  
 Wattage/Lumens: 8.9W/ 597 lm  
 Luminaire LPW: 67 Lm/W



### CANDLE POWER SUMMARY

| Degrees Vertical | Candle Power |
|------------------|--------------|
| 0°               | 1240         |
| 5°               | 1128         |
| 15°              | 643          |
| 25°              | 242          |
| 35°              | 58           |
| 45°              | 16           |
| 55°              | 12           |
| 65°              | 6            |
| 75°              | 3            |
| 85°              | 0            |
| 90°              | 0            |

### ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 77.5                    | 2.7'          |
| 6'                       | 34.4                    | 4.0'          |
| 8'                       | 19.4                    | 5.4'          |
| 10'                      | 12.4                    | 6.7'          |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-30° | 491.39 | 82.40       |
| 0-40° | 555.37 | 93.10       |
| 0-60° | 583.48 | 97.80       |
| 0-90° | 596.00 | 99.90       |