

# 2" Round Adjustable LED Light Engines



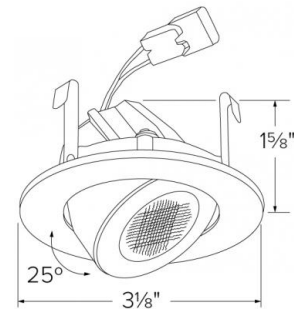
## Features

- 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.
- 25° adjustability.
- Energy Star Certified.
- Title 24 JA8-2019 Compliant.

## Specifications

|                      |           |
|----------------------|-----------|
| <b>Wattage</b>       | 9W        |
| <b>Lumens</b>        | 640 lm    |
| <b>Color Temp.</b>   | 3000K     |
| <b>Dimmable</b>      | Triac/ELV |
| <b>Lamp Type</b>     | LED       |
| <b>Beam Angle</b>    | 36°       |
| <b>CRI</b>           | 93+       |
| <b>Damp 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, E2LCR106.

### LED Technology:

- Extremely accurate color rendering with 93+ CRI.
- Efficacy of max. 97 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:** cUL Listed for Damp Location. ENERGY STAR® Certified. Title 24 JA8-2019 Compliant.

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

## Product Number

| Item              | Lamp type | Lumens | CCT   | Watts | Dimming   | Beam Angle | Finish    |
|-------------------|-----------|--------|-------|-------|-----------|------------|-----------|
| <b>E218C0630W</b> | LED       | 640 lm | 3000K | 9W    | Triac/ELV | 36°        | All White |

# Product Number Builder

Example: **E218C0627W**

ELCO 2" Light Engines

Lumens

Color Temperature

Finish

**E218C**

- 06** 600-640
- 07** 800-875

- 27** 2700K
- 30** 3000K
- 35** 3500K (07 only) <sup>1</sup>
- 40** 4000K (07 only) <sup>1</sup>

**W** All White

<sup>1</sup> Available with 880 (07) Lumen Option only

# Compatible Products

For use 2" LED Light Engines

## 2" Alder™ IC Airtight LED Housings



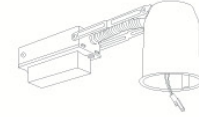
2" Double Wall LED IC Housing  
**New Construction**

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



2" Single Wall LED IC Housing  
**New Construction**

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



2" Single Wall LED IC Housing  
**Remodel**

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

## 2" Alder™ Non-IC Airtight LED Housings



2" Single Wall LED Non-IC Housing  
**New Construction**

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



2" Single Wall LED Non-IC Housing  
**Remodel**

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

## 2" Alder™ Accessories



**Emergency Battery Backup**

| CAT NO. | SPECIFICATIONS     |
|---------|--------------------|
| KEM-LD3 | 8W, Up to 750 lm   |
| KEM-LD4 | 12W, Up to 1100 lm |



**Fire Cover**

| CAT NO. | SPECIFICATIONS      |
|---------|---------------------|
| FIRECVR | 9 3/4" H x 17" O.D. |



**Fire Enclosure**

| CAT NO.    | SPECIFICATIONS                |
|------------|-------------------------------|
| FIREENCL   | 20 3/8" L x 14 3/8" W         |
| FIREENCL-S | Shallow,<br>16" L x 14 3/8" W |



**Mica Fire Tape**

| CAT NO.  | SPECIFICATIONS |
|----------|----------------|
| FIRETAPE | 3/4" W x 16' L |

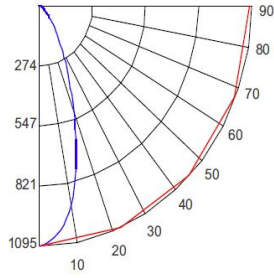
\*Driver included for all housings

# 2" Round Adjustable LED Light Engine

Multiplier: 3000K (x 1.04)

## PHOTOMETRIC REPORT

Product #: E218C0627  
 Wattage/Lumens: 8.7W/ 647 lm  
 Luminaire LPW: 74 Lm/W



## CANDLE POWER SUMMARY

| Degrees Vertical | 0°   |
|------------------|------|
| 0                | 1092 |
| 5                | 1045 |
| 15               | 731  |
| 25               | 350  |
| 35               | 138  |
| 45               | 53   |
| 55               | 21   |
| 65               | 9    |
| 75               | 4    |
| 85               | 1    |
| 90               | 0    |

## ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 68.3                    | 2.9'          |
| 6'                       | 30.3                    | 4.4'          |
| 8'                       | 17.1                    | 5.8'          |
| 10'                      | 10.9                    | 7.3'          |

## ZONAL LUMEN SUMMARY

| Zone  | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-30° | 473.70 | 73.20       |
| 0-40° | 567.55 | 87.80       |
| 0-60° | 631.06 | 97.60       |
| 0-90° | 645.99 | 99.90       |



**ELCO Lighting**

# Dimmer Compatibility Chart 2" Alder System LED Light Engines

For E210C06, E210C07, E210C18, E213C06, E213C07, E214C06, E214C07, E215C06, E215C07, E218C06, E218C07, E219C06, E219C07 Series

## For Reference Only

Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility.

| Manufacturer | Product  | Part Number            | Dimmed Light Output Range |
|--------------|--|------------------------|---------------------------|
| Lutron       | Skylark Contour, 120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way Indoor Application, Residential/Commercial Application | CT-603PG / CT-600PR    | 10% - 100%                |
|              | Diva, 120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way, Residential/Commercial Application                               | DV-600PR / DV603PG     | 10% - 100%                |
|              | Diva, 120V, 60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way  | DVW-603PGH / DVCL-153P | 10% - 100%                |
|              | Maestro, 120V, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way  | MACL-153M / TGCL-153P  | 10% - 100%                |
|              | Skylark, Single Pole 600W Incandescent/Halogen, Slide-to-Off Dimmer  | S-600PR / S-2-LH       | 10% - 100%                |
| Leviton      |  | 1A1505 / IC1605        | 10% - 100%                |
|              | SureSlide, 120V AC 60Hz, 600W for LED and CFL, 600W for Incandescent, Single Pole, 3-Way, Polycarbonated Housing                     | 6631 / 6633            | 10% - 100%                |
| Cooper       | Decorator Dimmer, 120V 60Hz, 300W for LED and CFL, 600W for Incandescent, Single Pole, 3-Way, Polycarbonated Housing                 | DLC03P                 | 10% - 100%                |

**\*NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details**

Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.

Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross reference that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.



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