

2" Round LED High-Lumen Reflector Light Engines



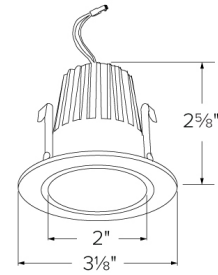
Features

- 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.
- Energy Star Certified.
- Title 24 JA8-2019 Compliant.

Specifications

| | |
|---------------------|------------------|
| Wattage | 11W |
| Lumens | 800 lm - 1135 lm |
| Color Temp. | 2700K - SunsetK |
| Lamp Type | LED |
| Beam Angle | 36° |
| CRI | 93+ |
| Wet Location | 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; E2AJU12ICA, E2LCU86ICA, E2LCU86RICA.

LED Technology:

- Extremely accurate color rendering with 93+ CRI.
- Efficacy of max. 103 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.

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. ENERGY STAR® Certified. Title 24 JA8-2019 Compliant.

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

Product Numbers

| Item | Lamp type | Lumens | CCT | Watts | Beam Angle | Finish |
|-------------------|-----------|---------|---------|-------|------------|-----------|
| E210C1827W | LED | 1000 lm | 2700K | 11W | 36° | All White |
| E210C1830W | LED | 1050 lm | 3000K | 11W | 36° | All White |
| E210C1835W | LED | 1100 lm | 3500K | 11W | 36° | All White |
| E210C1840W | LED | 1135 lm | 4000K | 11W | 36° | All White |
| E210C185DW | LED | 800 lm | SunsetK | 11W | 36° | All White |

Product Number Builder Example: **E210C1827W**

ELCO 2" Light Engines

Color Temp.

Finish

E210C18

- 27** 2700K
- 30** 3000K
- 35** 3500K
- 40** 4000K
- SD** Sunset ¹

W All White

¹ Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

Compatible Products

For use 2" High Lumen LED Light Engines

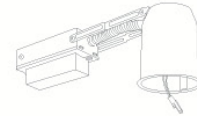
2" Alder™ IC Airtight High Tech LED Housings



2" Double Wall IC Rated for max. R-60 spray foam insulation
New Construction



2" Single Wall IC Housing
New Construction



2" Single Wall IC Housing
Remodel

| CAT NO. | SPECIFICATIONS |
|------------|--------------------------------|
| E2AJU12ICA | 11W, 120/277V, Triac/ELV/0-10V |

| CAT NO. | SPECIFICATIONS |
|------------|--------------------------------|
| E2LCU86ICA | 11W, 120/277V, Triac/ELV/0-10V |
| E2LC185ICA | 11W, 120V, Triac/ELV |

| CAT NO. | SPECIFICATIONS |
|-------------|--------------------------------|
| E2LCU86RICA | 11W, 120/277V, Triac/ELV/0-10V |
| E2LC185RICA | 11W, 120V, Triac/ELV |

2" Alder™ Accessories



Emergency Battery Backup



Fire Cover



Fire Enclosure



Mica Fire Tape

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

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

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

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

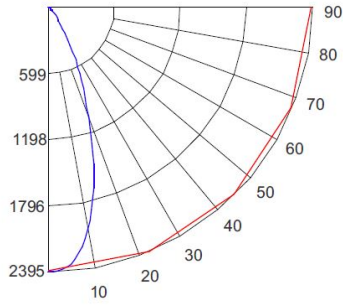
*Driver included for all housings

2" Round LED Reflector Light Engine

Multiplier: 2700K (x 0.96), 3500K (x 1.04), 4000K (x 1.08)

PHOTOMETRIC REPORT

Product #: E210C1830
 Wattage/Lumens: 10.4W/ 1089 lm
 Luminaire LPW: 105 Lm/W



CANDLE POWER SUMMARY

| Degrees Vertical | 0° |
|------------------|------|
| 0 | 2394 |
| 5 | 2323 |
| 15 | 1602 |
| 25 | 673 |
| 35 | 169 |
| 45 | 29 |
| 55 | 21 |
| 65 | 13 |
| 75 | 7 |
| 85 | 2 |
| 90 | 0 |

ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Footcandles Beam Center | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4' | 150 | 2.6' |
| 6' | 66.5 | 3.9' |
| 8' | 37.4 | 5.2' |
| 10' | 23.9 | 6.6' |

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|-------|---------|-------------|
| 0-30° | 915.49 | 84.10 |
| 0-40° | 1024.95 | 94.10 |
| 0-60° | 1067.15 | 98.00 |
| 0-90° | 1087.69 | 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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