ELCO Lighting

Project name:

Fixture type:

Date:

2" Round LED High-Lumen Reflector Light Engines

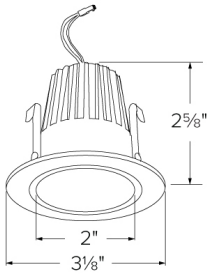
Features

- 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
E210C18SDW	LED	800 lm	SunsetK	11W	36°	All White

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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

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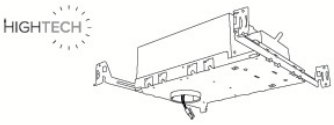
Compatible Products

For use **2″ High Lumen LED Light Engines**

2″ Alder™ IC Airtight High Tech LED Housings

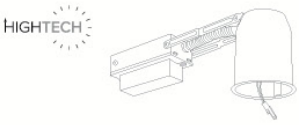


2″ Double Wall IC Rated for max. R-60 spray foam insulation
New Construction

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

2″ Single Wall IC Housing
New Construction

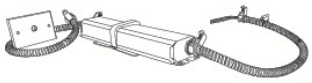
CAT NO.	SPECIFICATIONS
E2LCU86ICA	11W, 120/277V, Triac/ELV/0-10V
E2LC185ICA	11W, 120V, Triac/ELV



2″ Single Wall IC Housing
Remodel

CAT NO.	SPECIFICATIONS
E2LCU86RICA	11W, 120/277V, Triac/ELV/0-10V
E2LC185RICA	11W, 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 ¾″ H x 17″ O.D.

Fire Enclosure

CAT NO.	SPECIFICATIONS
FIREENCL	20 ⅜″ L x 14 ⅜″ W
FIREENCL-S	Shallow, 16″ L x 14 ⅜″ W

Mica Fire Tape

CAT NO.	SPECIFICATIONS
FIRETAPE	¾″ W x 16′ L

*Driver included for all housings

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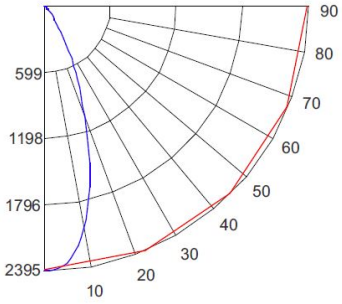
2” Round LED Reflector Light Engine

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

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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 refrence that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.

amazon alexa | Google Assistant | Apple HomeKit | INSTEON | LUTRON | wemo

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