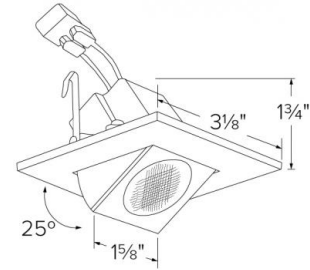# 2" Square Adjustable LED Light Engines

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.

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. 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.

Specifications

Wattage	9W
Lumens	915 lm
Color Temp.	4000K
Dimmable	Triac/ELV
Lamp Type	LED
Beam Angle	36°
CRI	93+
Damp Location	Listed

Dimensions

3⅛"   1¾"

25°   1⅝"

Product Number

Item	Lamp type	Lumens	CCT	Watts	Dimming	Beam Angle	Finish
E219C0740W	LED	915 lm	4000K	9W	Triac/ELV	36°	All White

Product Number Builder   Example: **E219C0627W**

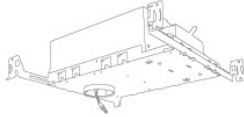| ELCO 2" Light Engines	Lumens	Color Temp.	Finish
E219C			
	06 680	**27** 2700K	**W** All White
	07 880	**30** 3000K	
		35 3500K (07 only)	
		40 4000K (07 only)	

Compatible Products

For use **2" LED Light Engines**
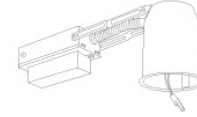
2" Alder™ IC Airtight LED Housings

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

CAT NO.	SPECIFICATIONS	CAT NO.	SPECIFICATIONS	CAT NO.	SPECIFICATIONS
E2LC106ICA	9W, 120V, Triac/ELV	E2LC175ICA	9W, 120V, Triac/ELV	E2LC175RICA	9W, 120V, Triac/ELV

2" Alder™ Non-IC Airtight LED Housings

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

CAT NO.	SPECIFICATIONS	CAT NO.	SPECIFICATIONS
E2LC106	9W, 120V, Triac/ELV	E2LRC106	9W, 120V, Triac/ELV

2" Alder™ Accessories

Emergency Battery Backup	**Fire Cover**	**Fire Enclosure**	**Mica Fire Tape**

| CAT NO.	SPECIFICATIONS	CAT NO.	SPECIFICATIONS	CAT NO.	SPECIFICATIONS	CAT NO.	SPECIFICATIONS
KEM-LD3	8W, Up to 750 lm	FIRECVR	9 ¾" H x 17" O.D.	FIREENCL	20 ⅜" L x 14 ⅜" W	FIRETAPE	¾" W x 16' L
KEM-LD4	12W, Up to 1100 lm			FIREENCL-S	Shallow, 16" L x 14 ⅜" W		
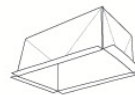
*Driver included for all housings

2" Square Adjustable LED Light Engine

Multiplier: 3000K (x 1.04)

PHOTOMETRIC REPORT

Product #: E219C0627
Wattage/Lumens: 8.8W/ 663 lm
Luminaire LPW: 75 Lm/W
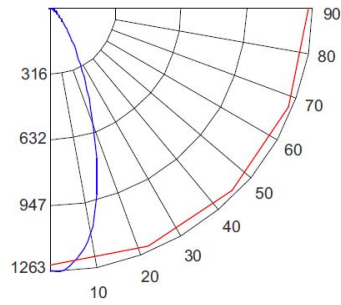
CANDLE POWER SUMMARY

Degrees Vertical	0°
0	1255
5	1202
15	806
25	354
35	142
45	49
55	20
65	10
75	4
85	1
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	78.5	2.6'
6'	34.9	4.0'
8'	19.6	5.3'
10'	12.6	6.6'

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	496.45	74.90
0-40°	588.31	88.70
0-60°	646.30	97.40
0-90°	662.48	99.90

Dimmer Compatibility Chart
2" Alder System LED Light Engines

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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