

2" LED DOWNLIGHTS

800 -1135 HIGH-LUMEN/120V or 120/277

TRIAC/ELV/0-10V

THE HIGH TECH-LUMEN

ALDER™ SYSTEM

Engineered for premium light quality and outstanding optical performance. The Alder System's sophisticated and minimalist design is suitable for any interior space.



FEATURES

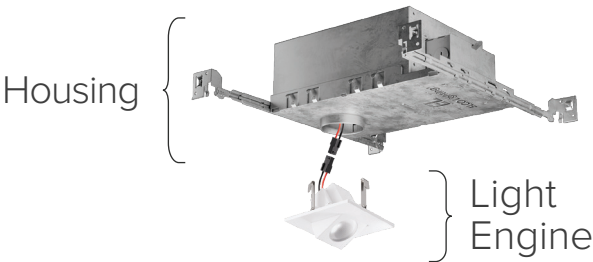
- Driver included on housing.
- IC Rated for direct contact with insulation.
- Diecast construction provides lasting durability.
- Title 24 JA8-2022-E Compliant. ENERGY STAR Compliant

SPECIFICATIONS

Wattage	11W
Lumens	800 lm - 1135 lm
Voltage	120V or 120/277V
Color Temp.	2700K, 3000K, 3500K, 4000K, or Sunset
CRI	93+
Damp Location	UL Listed for Adjustable Trims
Wet Location	UL Listed for Fixed Trims
Dimming	Triac/ELV (10%) or 0-10V/Triac/ELV (1%)
Beam Angle	36°

SET UP

1. Select a New Construction or Remodel Housing.
2. Select a High Lumen Alder™ LED Light Engine.



Finishes

White

PRODUCT NUMBER BUILDER

STEP 1. Specify Housing part number (Select one)

Example: E2AJU12ICA

IC ALDER HOUSINGS					
ITEM	HOUSING		APPLICATION		SPECIFICATION
E2					
E2	LCU86	11W, (120/277V, Triac/ELV/0-10V)	(Blank)	New Construction	ICA IC Airtight
	LC185	11W, (120V, Triac/ELV)	R	Remodel	
	AJU12 ¹	11W, (120/277V, R-60 Double Wall)			
	¹ Only available for New Construction application. Suitable for Chicago Plenum Construction				

STEP 2. Specify Light Engine part number (Select one)

Example: E218C1827W

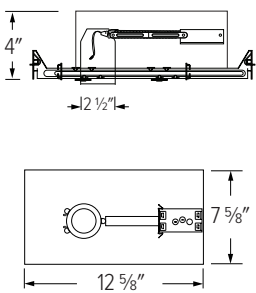
HIGH TECH-LUMEN ALDER LIGHT ENGINES

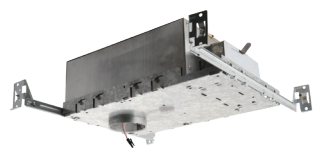
ITEM	STYLE		COLOR TEMPERATURE		FINISH
E2					
E2	10C18 ¹	Round Reflector	27	2700K (1000 lm)	W White
	13C18 ¹	Square Reflector	30	3000K (1050 lm)	
	14C18 ¹	Round Baffle	35	3500K (1100 lm)	
	15C18 ¹	Square Baffle	40	4000K (1135lm)	
	18C18 ²	Round Adjustable	SD ³	Sunset (800 lm)	
	19C18 ²	Square Adjustable			
	¹ Wet location listed ² Damp location listed		³ Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed		

PRODUCT DIMENSIONS

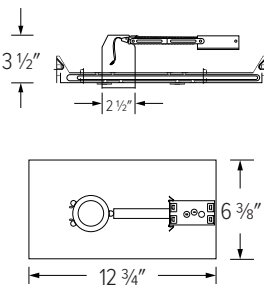
HIGH TECH-LUMEN ALDER HOUSINGS

E2AJU12ICA
120/277V R60 NEW CONSTRUCTION HIGHTECH HOUSINGS



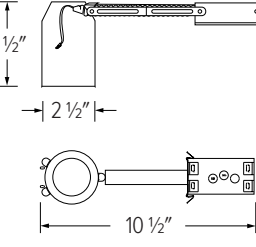


E2LCU86ICA (120/277V), E2LC185ICA (120V)
NEW CONSTRUCTION HIGHTECH HOUSINGS





E2LCU86RICA (120/277V), E2LC185RICA (120V)
REMODEL HIGHTECH HOUSINGS

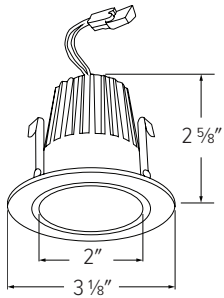




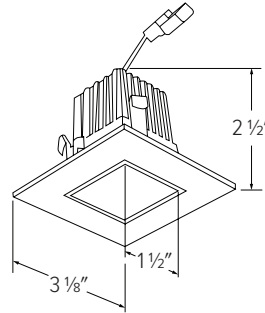
PRODUCT DIMENSIONS

HIGH TECH-LUMEN ALDER LED LIGHT ENGINES

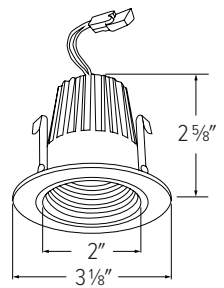
E210C18 - ROUND HIGH-LUMEN REFLECTOR



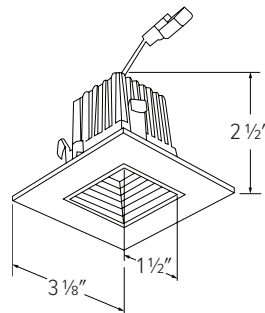
E213C18 - SQUARE HIGH-LUMEN REFLECTOR



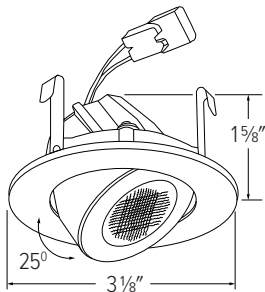
E214C18 - ROUND HIGH-LUMEN BAFFLE



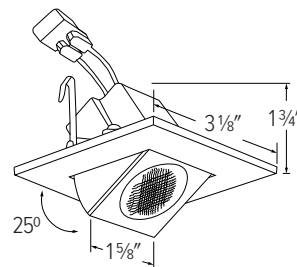
E215C18 - SQUARE HIGH-LUMEN BAFFLE



E218C18 - ROUND HIGH-LUMEN ADJUSTABLE



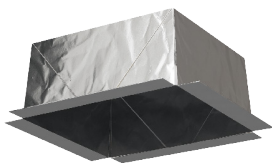
E219C18 - SQUARE HIGH-LUMEN ADJUSTABLE



ACCESSORIES

FIRE RATED PRODUCTS

**1-HOUR FIRE ENCLOSURE
FOR RECESSED FIXTURES**



**MICA ADHESIVE FIRE TAPE
FOR FIRE ENCLOSURE**



**2-HOUR FIRE COVER
FOR RECESSED FIXTURES**



FIREENCL Standard - 9" H x 20 3/8" L x 14 3/8" W
FIREENCL-S Shallow (-S) - 7 1/4" H x 16" L x 14 3/8" W

Provides fire barrier around recessed lights. ETL approved 1-hour fire rating. Meets UL 263, ASTM E119 Specifications. To be used with Mica Tape to seal the power feeding point. (FIRETAPE sold separately)

FIRETAPE 3/4" W x 16' L

Fire proof mica adhesive tape helps seal the power feeding point on Fire Enclosure. Offers outstanding high temperature and flame resistance, and provides excellent electrical insulation.

FIRECVR 9 3/4" H x 17" O.D. x 13" I.D.

Made of heat activated intumescent material. UL approved for most ceiling types: sheetrock drywall, gypsum & acoustical tiles. UL Rated enclosure stops flame spread and heat transmission for up to 2 hours.

TECHNICAL DETAILS

Optics: PC Lens for even lumen distribution. 36° beam angle.

Housing Construction: New construction housing adjusts in frame to accommodate up to 1 ¼" ceiling thickness. Aluminum housing for greater heat dissipation. Stamped galvanized steel frame. Driver mounted on junction box for cooler LED operation.

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

Installation: Maximum hole cutout is 2 ⅝". New Construction suitable for T-grid and drop ceiling applications. See installation sheet for detailed information.

Junction Box: Positioned to accommodate straight conduit runs.

E2AJU12ICA: Two ½" trade size pry-out knockouts. Four Romex pry-outs with strain relief for easy romex installation. Strain clamps to install or remove covers for easy access and grounding.

E2LCU86ICA, E2LC185ICA: Two ¼" trade size knockouts with conduit fitting provided.

Hanger Bars: Pre-installed hanger bars with True Nail easy installation in regular lumber, engineered lumber, and Laminated Beams. Integral T-bar slots for easy installation in T-Bars. Spans up 24" and can be repositioned 90°. Score lines allow for tool-free hanger bar size reduction. Integral leveling flange allows for single-person installation while aligning the housings with the joists.

Emergency Battery Pack (For E2AJU12ICA): Optional 90 minute battery pack available with test indicator switch. Note that double wall housings require Access From Above Ceiling for Battery Maintenance.

LED Technology:

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

Dimmability: Works with 120V Triac and ELV type dimmers. Dims down to 10%. 120/277 Driver dims up to 1%. For full list of dimmers refer to the Dimmer Compatibility List.

Electrical: Driver connects to 120V power supply for 120V option. 120/277 option can be connected to 120V or 277V. High Efficiency driver with a power factor > 0.9.

Listings: UL Listed for Wet Location with fixed trims. UL Listed for Damp Location with adjustable trims. Title 24 JA8-2022-E Compliant.

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

DIMMER COMPATIBILITY CHART

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
Triac/ELV Type Dimmers			
Eaton	AL Series, Decorator Single-Pole/3-Way Preset Dimmer	DAL06P	10% - 100%
	DEVINE Decorator, Single Pole/3-Way Dimmer	DLC03P	10% - 100%
	SKYE Slide, Single-Pole/3-Way Preset Dimmer	SLC03P	10% - 100%
Leviton	Decora 4-Level Step Electro-Mechanical Incandescent Dimmer	6161-W	10% - 100%
	Decora Incandescent Dimmer, Single Pole Slide-to-Off with Optional Locator Light	6631-L	10% - 100%
	Decora Incandescent Dimmer, Single Pole/3-Way with Preset ON/OFF Switch	6633-PL	10% - 100%
	Trimatron Deluxe 3-Way Electro-Mechanical Incandescent Rotary Dimmer with Push ON/OFF	6683-IW	10% - 100%
	Decora Incandescent Dimmer with LED Locator	IPI06-1L	10% - 100%
	Decora Single-Pole/3-Way, IllumaTech Preset Electro-Mechanical Electronic Low-Voltage Slide Dimmer	IPE04-1L	10% - 100%
	Vizia+ Electronic Low Voltage Dimmer with LED Locator and Brightness Display: Neutral Required	VPE06-1L	10% - 100%
Lightolier	Sunrise Quiet Electronic Low Voltage Dimmer	ZP260QE	10% - 100%
Lutron	Skylark Contour® Single Pole/3-Way Incandescent/Halogen or Magnetic Low Voltage, Preset Dimmer	CT-103P	10% - 100%
	Diva® Series Single Pole Dimmer	DV-600P	10% - 100%
	Diva® Series 150W Single Pole/3-Way Dimmer	DVCL-153P	5% - 86%
	Diva® (gloss) 3-Way, Electronic Low Voltage Dimmer	DVELV-303P	10% - 100%
	Faedia® Single Pole, Electronic Low Voltage Dimmer	FAELV-500	10% - 100%
	Lumea® Gloss Single Pole, Incandescent/Halogen, Preset Dimmer	LG-600PH	10% - 100%
	Maestro® (Gloss) Single Pole/Multi-Location, Electronic Low Voltage Dimmer	MAELV-600	10% - 100%
	Skylark® Series 600W Single Pole	S-600P	10% - 100%
	Skylark® Single Pole/3-Way, Incandescent/Halogen, Preset, "Eco-Dim" Dimmer	S-603PG	5% - 85%
	Skylark® 300W, Single Pole, Electronic Low Voltage, Preset Dimmer	SELV-300P	10% - 100%
	Ariadni®/Toggler® Single Pole, Incandescent/Halogen Dimmer	TG-600P	10% - 100%
	Ariadni®/Toggler® Series 150W Single Pole/3-Way Dimmer	TGCL-153P	5% - 86%
0-10V Type Dimmers - 120/277V			
Lutron	Diva® (Gloss) Single Pole. Must be used with power pack model PP-DV (120-277V) or PP-347H (347V)	DVTV	10% - 100%
	Nova® Single Pole. Must be used with power pack model PP-DV (120-277V), or PP-347H (347V)	NFTV	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.



DIMMER COMPATIBILITY CHART

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MANUFACTURER	PRODUCT	PART NUMBER	DIMMED LIGHT OUTPUT RANGE
Triac/ELV Type Dimmers - 120V Only for E2LCU86ICA, E2LCU86RICA & E2AJU12ICA			
Lutron	120V AC, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way	RRD-6CL	1% - 100%
	120V AC 60Hz, 150W LED/CFL/Incandescent/Halogen, Single Pole, 3-Way,	DVCL-153P	1% - 100%
	120V 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way	TGCL-153P	1% - 100%
	120V AC 60Hz, 300W Electronic Low Voltage, 3-Way, Commercial/Residential Application	DVELV-303P	1% - 100%
	120V, 600W Incandescent/Halogen, Single Pole, Residential Indoor Application	TG-600P	1% - 100%
	120V, 1000W Incandescent or 600W Magnetic Low Voltage, Single Pole, 3-Way	CT103P	1% - 100%
	120V AC 60Hz, 600W Electronic Low Voltage, Single Pole/Multi-Location	MAELV600	1% - 100%
	120V AC 60Hz, 500W Electronic Low Voltage, Single Pole/Multi-Location	FAELV500	1% - 100%
	120V AC 60Hz, 600W Incandescent/Halogen, Single Pole, Slide-to-Off Dimmer	S-600P	1% - 100%
	120V AC 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way	SCL-153P	1% - 100%
	Caséta® Wireless Dimmer	PD-6WCL	1% - 100%
	120V AC 60Hz, Low Voltage Load Type, 150W Single Pole	DVLV-600P	5% - 100%
	120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way, Residential and Commercial Application	DV-603P	1% - 100%
	120V AC, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way, Indoor Application	MA-PRO	1% - 100%
	120V AC 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way	MACL-153M	1% - 100%
Leviton	120V AC 60Hz, 300W Electronic Low Voltage, 400 Volt Amp, Single Pole, 3-Way	IPE04	1% - 100%
	120V AC 60Hz, 300W CFL or 600W Incandescent, 400 Volt Amp, Single Pole, 3-Way	6673-10W	1% - 100%
	120V AC, 600W Incandescent with LED Locator, Single Pole, 3-Way	VP106	1% - 100%
	120V AC 60Hz, 500W Incandescent with LED Level Indicator, Single Pole, 3-Way	6161	1% - 100%
	120V AC, 150W LED/CFL or 600W Incandescent, Single Pole, 3-Way	6674	1% - 100%
Eaton	120V AC, 300W LED/CFL or 600W Incandescent/MLV/Halogen, Single Pole, 3-Way	TAL06P1-C1	1% - 100%
Cooper	120V AC 60Hz, 300W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way	SLC03P / DAL06P	1% - 100%
	120V AC 60Hz, 300W LED/CFL or 600W Incandescent, Single Pole, 3-Way, Residential	DLC03P	1% - 100%
	120V AC 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way	RI061-VW-K2	1% - 100%
	120V AC 60Hz, 300W LED/CFL/ Incandescent/Halogen, Single Pole, 3-Way	AAL06A-C2	1% - 100%
Lightolier	120V, 260W Incandescent/Halogen, Single Pole, 3-Way,	ZP260QEW	1% - 100%

0-10V Type Dimmers - 120/277V for E2KCL10ICDX, E3KCL10ICDX, E4KCL10ICDX, E6KCL10ICDX, and EKCL10RICDX Series			
Lutron	120/277V AC, 0-10V LED/CFL Ballast, Single Pole, 3-Way	NFTV	1% - 100%
	120/277V AC, 0-10V, Single Pole, 3-Way, Commercial and Residential, Indoor Application	DVSTV	1% - 100%
	120/277V AC 50/60Hz, 0-10V LED/CFL Ballast, Single Pole, 3-Way, Indoor Application	DVTV	1% - 100%
Leviton	120/277V AC 60Hz, 0-10V LED/CFL Ballast, Single Pole, 3-Way	IP710-DL	1% - 100%

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

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