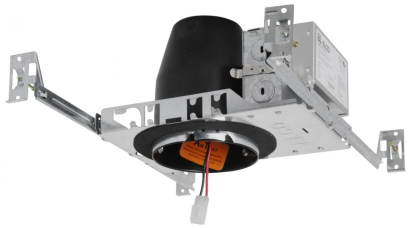
ELCO Lighting

Project name:

Fixture type:

Date:

4" Cedar System New Construction IC Airtight Housing w/Driver



Single Wall IC Airtight housing for high-end residential and light commercial, 850 lumens.

Features

- cUL Listed for direct contact with insulation.
- Optional 90 minutes, 120/277 VAC, 60Hz, Emergency Backup.
- Flicker-Free Dimming.
- USA designed and assembled.
- Limited 5 year warranty.
- For use with ELCO Cedar™ System 4" LED Light Engines.
- 2 at the end of the item number denotes Generation 2. Please note Gen 2 and Gen 1 are not cross compatible.

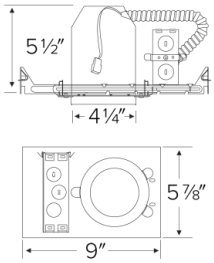
Specifications

Lumens	850 lm
Voltage	120/277V or 120V
Dimmable	Triac/ELV, Triac/ELV/0-10V, Sunset
Power Factor	≥0.95
Damp Location	Listed

Options

Optional EM

Dimensions



Technical Details

Construction:

- Single wall IC rated for direct contact with insulation. For use in IC and non-IC conditions. 850 lumens.
- Housing adjusts in frame to accommodate up to 1 1/2" ceiling thickness.
- Airtight housing with gasket to restrict airflow in accordance with ASTM E-283 air-tight requirements.

Installation:

- Designed for ceiling plenums where 2x6 joists or taller are used.
- High strength hanger bars can easily be nailed to joists.
- Suitable for T-grid and drop ceiling applications.
- See installation sheet for detailed information.

Junction Box: Positioned to accommodate straight conduit runs. Two 3/4" knockouts, Seven 1/2" trade size conduit knockouts, One 3/8" knockout. Four Pry-out knockout slots for easy romex installation.

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 easily aligning the housings with the joists.

Electrical:

- Driver is rated for 120V and 277V input (120/277V).
- High Efficiency driver with a power factor > 0.95.

Dimmability:

- 3 in 1 dimming: Triac, ELV and 0-10V dimming in one driver.
- 0-10V dimming down to 5% with a compatible dimmer.
- Can be specified with Lutron drivers for 0.1% and 1% dimming.
- For a full list of dimmers refer to the Dimmer Compatibility List.

Listings: cUL Listed for Damp Location and for Wet Location with select trims. cUL Listed for Direct Contact with Insulation and Combustible Material. cUL Listed for Feed Through.

Product Numbers

Item	Lumens	Voltage	Dimming
E4LC08ICA2	850 lm	120V	Triac/ELV
E4LC08ICAD2	850 lm	120/277V	Triac/ELV/0-10V
E4LC08ICASD	850 lm	120/277V	Sunset

2042 E. Vernon Ave., Vernon, CA 90058 • Tel (323) 231-2600 Fax (323) 231-3200 • elcolighting.com
© ELCO Lighting 2026. All rights reserved • Rev. 25 Feb 2025 • ELCO Lighting reserves the right to make specification and design changes without notice.

Product Number Builder Example: **E4LC08ICA2**

ELCO Cedar 4" Housing	Lumens	IC Airtight	Dimming	Generation	Optional
E4LC	**08** 850 lm	**ICA** ICA	120V Triac/ELV **D** 120/277V Triac/ELV/0-10V **SD** Sunset **L** Lutron	**2** Gen 2 Gen 1	No EM **EM1** Emer. Backup up to 700 lm **EM2** Emer. Backup to 1100 lm

© ELCO Lighting 2026. All rights reserved • Rev. 25 Feb 2025 • ELCO Lighting reserves the right to make specification and design changes without notice.

Compatible Products

For use with **4″ Cedar™ IC LED housings**

4″ Cedar™ LED Light Engines

Round Reflector Trim
E410C
Finishes:
(W, B, C, H, BZ, BB, MW, MB)

Wall Wash Reflector Trim
E411C
Finishes:
(W, B, C, H, BZ, BB, MW, MB)

Drop Glass Reflector Trim
E412C
Finishes:
(W, B, C, H, BB, MW, MB)

Round Baffle Trim
E414C
Finishes:
(W, B, BZ, BB)

Round Pinhole Trim
E429C
Finishes:
(W, B, C)

Square on Sq. Baffle Trim
E415C
Finishes:
(W, BZ)

Square on Sq. Reflector Trim
E417C
Finishes:
(W, BZ)

Round on Sq. Reflector Trim
E420C
Finishes:
(W, C, H, BZ, BB)

Round on Sq. Baffle Trim
E424C
Finishes:
(W, B, BZ, BB)

Round Adjustable Trim
E418C
Finishes:
(W, C, BB, BZ)

Square Adjustable Trim
E428C
Finishes:
(W, C, BB, BZ)

PRODUCT NUMBER BUILDER

4″ Cedar™ Trim	Style		Lumen		Color Temperature		Finish	
E4	**10C**	Reflector	**08**	850 lm (8.76W)	**27**	2700K	**W**	All White
	11C	Wall Wash			**30**	3000K	**B**	Black w/White Ring
	12C	Drop Glass			**35**	3500K	**BZ**	All Bronze
	14C	Baffle			**40**	4000K	**BB**	All Black
	15C	Sq. on Sq. Baffle			**50**	5000K	**C**	Chrome w/White Ring
	17C	Sq. on Sq. Reflector			**SD**	Sunset Dimming	**H**	Haze w/White Ring
	18C	Round Adjustable					**MW**	Matte White
	20C	Round on Sq. Reflector					**MB**	Matte Black
	24C	Round on Sq. Baffle						
	28C	Square Adjustable						

© ELCO Lighting 2026. All rights reserved • Rev. 25 Feb 2025 • ELCO Lighting reserves the right to make specification and design changes without notice.

Compatible Products

For use with **4″ Cedar™ IC LED housings**

4″ Accessories

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

2042 E. Vernon Ave., Vernon, CA 90058 • Tel (323) 231-2600 Fax (323) 231-3200 • elcolighting.com
© ELCO Lighting 2026. All rights reserved • Rev. 25 Feb 2025 • ELCO Lighting reserves the right to make specification and design changes without notice.