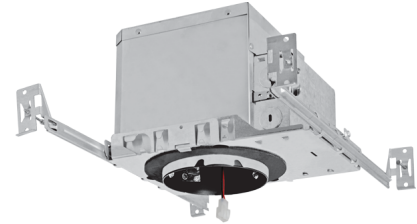# 4" Cedar System New Construction IC Airtight Housing w/Driver

Double Wall IC Airtight housing for high-end residential and light commercial, 1250 lumen.

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.

Technical Details

Construction:

- Double wall IC rated for direct contact with insulation. For use in IC and non-IC conditions. Up to 1600 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.
- Emergency Battery Back-up Option requires access from above.

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).
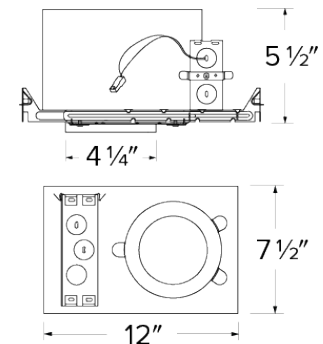- High Efficiency driver with a power factor > 0.95.

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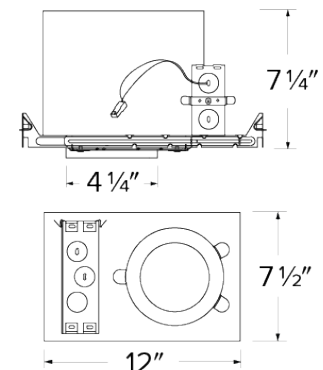
Dimmability:

- 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.

Specifications

Lumens	1600 lm
Voltage	120/277V
Dimmable	Triac/ELV/0-10V
Power Factor	≥0.95
Damp Location	Listed

Options

Optional Butterfly Bracket

E4LC12

5 ½"
4 ¼"
7 ½"
12"

E4LC16

7 ¼"
4 ¼"
7 ½"
12"

Product Number

Item	Lumens	Voltage	Dimming
E4LC16ICAD2	1600 lm	120/277V	Triac/ELV/0-10V

Product Number Builder   Example: **E4LC12ICA2**

ELCO Cedar 4" Housing	Lumens	IC Airtight	Dimming	Generation	Optional
E4LC					

Lumens
- **12** 1250 lm
- **16** 1600 lm

IC Airtight
- **ICA** ICA

Dimming
- 120V Triac/ELV
- **D** Triac/ELV/0-10V
- **SD** Sunset
- **L** Lutron

Generation
- **2** Gen 2
- Gen 1

Optional
- No EM
- **EM1** Emer. Backup up to 700 lm
- **EM2** Emer. Backup to 1100 lm

Compatible Products

ELCO Lighting

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	12 1250 lm (12.88W)	27 2700K	W All White
	11C Wall Wash	16 1600 lm (18W)	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			

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Page 3 of 4

Compatible Products

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

ELCO Lighting

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