ELCO Lighting

Project name:

Fixture type:

Date:

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

Single Wall IC Airtight housing for high-end residential and light commercial, 850 to 1250 lumens.

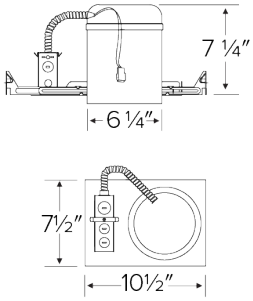
Features

- cUL Listed for direct contact with insulation.
- Optional 90 minutes, 120/277 VAC, 60Hz, Emergency Backup.
- Meets Title 24 requirements.
- Flicker-Free Dimming.
- USA designed and assembled.
- Limited 5 year warranty.
- For use with ELCO Cedar™ System 6" 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	1200 lm
Voltage	120V
Dimmable	Triac/ELV
Power Factor	≥0.95
Damp Location	Listed

Dimensions



Technical Details

Construction:

- Single wall IC rated for direct contact with insulation. For use in IC and non-IC conditions. 850 or 1250 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 2x8 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.

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

Product Number

Item	Lumens	Voltage	Dimming
E6LC12ICA2	1200 lm	120V	Triac/ELV

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with Insulation and Combustible Material. cUL Listed for Feed Through.

Product Number Builder

Example: **E6LC08ICA2**

ELCO Cedar 6" Housing	Lumens	IC Airtight	Dimming	Generation	Optional
E6LC	**08** 850 lm **12** 1200 lm **16** 1600 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

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Compatible Products

For use with **6″ Cedar™ IC LED housings**

6″ Cedar™ LED Light Engines

Round Reflector Trim

E610C
Finishes:
(W, B, BZ, C, G, H)

Round Drop Glass Reflector Trim

E612C
Finishes:
(W, B, BZ, C, G, H)

Round Baffle Trim

E614C
Finishes:
(W, B, BZ, BB)

Round Adjustable Baffle Trim

E616C
Finishes:
(W, B, BZ)

Round Adjustable Reflector Trim

E617C
Finishes:
(W, B, BZ, C, H)

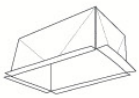
PRODUCT NUMBER BUILDER

6″ Cedar™ Trim	Style		Lumen		Color Temperature		Finish	
E6								
	10C	Reflector	**08**	850 lm (8.76W)	**27**	2700K	**W**	All White
	12C	Drop Glass	**12**	1250 lm (12.88W)	**30**	3000K	**B**	Black w/White Ring
	14C	Baffle	**16**	1600 lm (18W)	**35**	3500K	**BZ**	All Bronze
	16C	Adjustable Baffle			**40**	4000K	**BB**	All Black
	17C	Adjustable Reflector			**50**	5000K	**C**	Chrome w/White Ring
					SD	Sunset Dimming	**G**	Gold w/White Ring
							H	Haze w/White Ring

6″ 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

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