

Project name:	
Fixture type:	
Date:	

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

Single Wall IC Airtight Housing for high-end residential and light commercial, 1000 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 3" 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	1000 lm					
Voltage	120/277V or 120V					
Dimmable	Triac/ELV, 0-10V/Triac/ELV, Sunset					
Power Factor	≥0.95					
Damp Location Listed						

## **Technical Details**

### Construction:

- Double wall IC rated for direct contact with insulation. For use in IC and Non-IC conditions. Up to 1000 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.

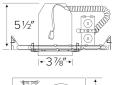
**Emergency Battery Pack:** Optional 90 minute battery pack available with test indicator switch. Note that double wall housings require Access From Above Ceiling for Battery Maintenance.

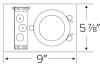
### Dimmability:

- 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.

# Dimensions





### **Product Numbers**

Item Lumens		Voltage	Dimming			
E3LC10ICA2	1000 lm	120V	Triac/ELV			
E3LC10ICAD2	1000 lm	120/277V	0-10V/Triac/ELV			
E3LC10ICASD	1000 lm	120/277V	Sunset			

# Product Number Builder Example: E3LC10ICA2

ELCO Cedar 3" Housing	Lumens	IC Airtight		Dimming		Generation		Optional
E3LC	<b>10</b> 1000 lm	ICA ICA		120V Triac/ELV	1 L	2 Gen 2	_	No EM
	<del>-</del>	D	Triac/ELV/0-10V	Gen 1		EM1	Emer. Backup to	
		SD	Sunset				1100 lm	
			L	Lutron				