

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



Single Wall IC Airtight Housing for high-end residential and light commercial, 1000 lumen.

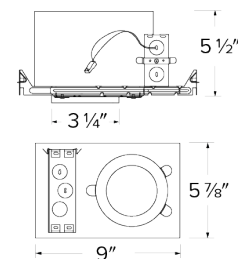
## Features

- 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

|                      |                                    |
|----------------------|------------------------------------|
| <b>Lumens</b>        | 1000 lm                            |
| <b>Voltage</b>       | 120/277V or 120V                   |
| <b>Dimmable</b>      | Triac/ELV, 0-10V/Triac/ELV, Sunset |
| <b>Power Factor</b>  | ≥0.95                              |
| <b>Damp Location</b> | Listed                             |

## Dimensions



## 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.

## Product Numbers

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

**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 Number Builder**    Example: **E3LC10ICA2**

|                       |                      |                   |                                                                            |                             |                                                  |
|-----------------------|----------------------|-------------------|----------------------------------------------------------------------------|-----------------------------|--------------------------------------------------|
| ELCO Cedar 3" Housing | Lumens               | IC Airtight       | Dimming                                                                    | Generation                  | Optional                                         |
| <div>E3LC</div>       | <div>101000 lm</div> | <div>ICAICA</div> | <div>120V Triac/ELV<br/>D Triac/ELV/0-10V<br/>SD Sunset<br/>L Lutron</div> | <div>2Gen 2<br/>Gen 1</div> | <div>No EM<br/>EM1 Emer. Backup to 1100 lm</div> |