

# 6" Cedar System New Construction 2-Hour Fire Rated Housing w/Driver

2-Hour Fire Rated for use with Cedar System LED Light Engines.



## Features

- cUL Listed for 2-Hour Fire Resistance to meet and exceed strict fire safety codes.
- Integrated Non-combustible insulation acts as a sound barrier minimizing sound transfer between floors.
- 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

|                      |                 |
|----------------------|-----------------|
| <b>Lumens</b>        | 850 lm          |
| <b>Voltage</b>       | 120/277V        |
| <b>Dimmable</b>      | Triac/ELV/0-10V |
| <b>Power Factor</b>  | ≥0.95           |
| <b>Damp Location</b> | Listed          |

## Options



Optional Butterfly Bracket

## Technical Details

### Construction:

- Double wall IC rated for direct contact with insulation. For use in IC and non-IC conditions. Up to 2000 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.
- 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:

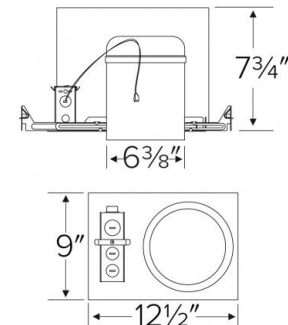
- Driver is rated for 120V and 277V input (120/277V).
- High Efficiency driver with a power factor > 0.95.

### 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

## Dimensions



## Product Number

| Item        | Lumens | Voltage  | Dimming         |
|-------------|--------|----------|-----------------|
| E6FH08ICAD2 | 850 lm | 120/277V | Triac/ELV/0-10V |

## Product Number Builder Example: E6FH08ICA2

ELCO Cedar 6" Fire Housing

**E6FH**

Lumens

- 08** 850 lm
- 12** 1250 lm

IC Airtight

**ICA** ICA

Dimming

- 120V Triac/ELV
- D** 120/277V 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

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                       |
|----------------|---------------------------------|----------------------------|--------------------------|------------------------------|
| <b>E6</b>      |                                 |                            |                          |                              |
|                | <b>10C</b> Reflector            | <b>08</b> 850 lm (8.76W)   | <b>27</b> 2700K          | <b>W</b> All White           |
|                | <b>12C</b> Drop Glass           | <b>12</b> 1250 lm (12.88W) | <b>30</b> 3000K          | <b>B</b> Black w/White Ring  |
|                | <b>14C</b> Baffle               |                            | <b>35</b> 3500K          | <b>BZ</b> All Bronze         |
|                | <b>16C</b> Adjustable Baffle    |                            | <b>40</b> 4000K          | <b>BB</b> All Black          |
|                | <b>17C</b> Adjustable Reflector |                            | <b>50</b> 5000K          | <b>C</b> Chrome w/White Ring |
|                |                                 |                            | <b>SD</b> Sunset Dimming | <b>G</b> Gold w/White Ring   |
|                |                                 |                            |                          | <b>H</b> Haze w/White Ring   |

## 6" Accessories



**Fire Cover**

| CAT NO. | SPECIFICATIONS      |
|---------|---------------------|
| FIRECVR | 9 3/4" H x 17" O.D. |



**Fire Enclosure**

| CAT NO.    | SPECIFICATIONS                |
|------------|-------------------------------|
| FIREENCL   | 20 3/8" L x 14 3/8" W         |
| FIREENCL-S | Shallow,<br>16" L x 14 3/8" W |



**Mica Fire Tape**

| CAT NO.  | SPECIFICATIONS |
|----------|----------------|
| FIRETAPE | 3/4" W x 16' L |