

# 3" New Construction 2-Hour Fire Rated Housing w/Driver



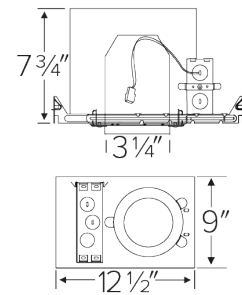
## Features

- 120V Triac/ELV Dimming or 3 in 1 Dimming 120/277V, Triac (120V Only), ELV and 0-10V (5-100%)
- Optional 90 minutes, 120/277 VAC, 60Hz. Emergency Backup
- Accommodates ceilings up to 1 1/2"
- Meets restricted airflow requirements (per ASTM E-283)
- High Power Factor ( $\geq 0.95$ ), Class 2 Driver on housing
- USA Designed and Assembled
- Limited 5 Year Warranty
- 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 or 120V
<b>Dimmable</b>	Triac/ELV, Triac/ELV/0-10V, Sunset
<b>Power Factor</b>	$\geq 0.95$
<b>Damp Location Listed</b>	

## Dimensions



## Technical Details

### Construction:

- Double wall IC rated for direct contact with insulation. For use in IC and non-IC conditions. Up to 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 1% with compatible dimmer.
- Can be specified with Lutron drivers for specific applications.
- For 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.

## Product Numbers

Item	Lumens	Voltage	Dimming
<b>E3FH08ICA2</b>	850 lm	120V	Triac/ELV
<b>E3FH08ICAD2</b>	850 lm	120/277V	Triac/ELV/0-10V
<b>E3FH08ICASD</b>	850 lm	120/277V	Sunset

---

# Product Number Builder

Example: **E3FH08ICA2**

---

ELCO Cedar 3" Housing

**E3FH**

Lumens

**08** 850 lm

Dimming

120V Triac/ELV  
**D** 120/277V Triac/ELV/0-10V  
**SD** Sunset  
**L** Lutron

Generation

**2** Gen 2  
Gen 1

# Compatible Products



For use with 3" Cedar™ IC LED housings

## 3" Cedar™ LED Light Engines



**Round Reflector Trim**

**E310C**

Finishes:

(W, B, BB, BZ, C, H)



**Round Baffle Trim**

**E314C**

Finishes:

(W, B, BB, BZ)



**Square Pinhole Trim**

**E315C**

Finishes:

(W, B, C)



**Square Reflector Trim**

**E320C**

Finishes:

(W, BB, BZ, C)



**Round Pinhole Trim**

**E329C**

Finishes:

(W, B, C)

### PRODUCT NUMBER BUILDER

3" Cedar™ Trim	Style	Lumen	Color Temperature	Finish
<b>E3</b>				
	<b>10C</b> Round Reflector	<b>08</b> 850 lm	<b>27</b> 2700K	<b>W</b> All White
	<b>14C</b> Round Baffle		<b>30</b> 3000K	<b>B</b> Black w/White Ring
	<b>15C</b> Square Pinhole		<b>35</b> 3500K	<b>BB</b> All Black
	<b>20C</b> Square Reflector		<b>40</b> 4000K	<b>BZ</b> All Bronze
	<b>29C</b> Pinhole Trim		<b>50</b> 5000K	<b>C</b> Chrome w/White Ring
			<b>SD</b> Sunset Dimming	<b>H</b> Haze w/White Ring

## 3" 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, 16" L x 14 3/8" W



**Mica Fire Tape**

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