ELCO Lighting

Project Name:

Fixture Type:

Date:

3″ NEW CONSTRUCTION 2-HOUR FIRE RATED HOUSING W/DRIVER

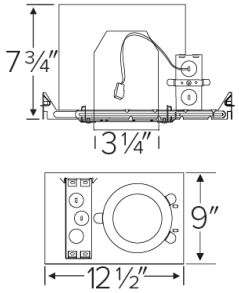
Housing · 3″



FEATURES

- Triac/ELV on 120V; Triac (120V only), ELV and 0-10V on 120/277V.
- 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 (above 0.95)
- 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

DIMENSIONS



SPECIFICATIONS

Lumens	850 lm
Voltage	120V · 120-277V
Dimming	120V Triac/ELV · 120/277V Triac/ELV/0-10V · Sunset (warm dim) · Triac/ELV · Triac/ELV/0-10V
Power factor	>0.95
Aperture	3"
Generation	Gen 2 · Gen 1

Item page
elcolighting.com/items/3-new-construction-2-hour-fire-rated-housing-wdriver
Every item number, IES files, downloads and the latest revision.

PART OF THESE FAMILIES

3″ Cedar™ Housings and LED Light Engines

PRODUCT NUMBER BUILDER

Specify **3″ New Construction 2-Hour Fire Rated Housing w/Driver** item number (Select one) Example: **E3FH08ICA2** Your item number:

ITEM	LUMENS	DIMMING	GENERATION
E3FH08ICA			
	08 850 lm	**D** 120/277V Triac/ELV/0-10V **SD** Sunset (warm dim)	**2** Gen 2 Gen 1

No separate code: Dimming: 120V Triac/ELV, Triac/ELV, Triac/ELV/0-10V

TECHNICAL DETAILS

Construction:

- Double wall IC rated for direct contact with insulation. For use in IC and non-IC conditions. Up to 850 lumens.
- Housing adjusts in frame to accommodate up to 1 1/2″ ceiling thickness.

© ELCO Lighting 2026. All rights reserved • Rev. 19 Oct 2026 • ELCO Lighting reserves the right to make specification and design changes without notice.

•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: UL Listed (US and Canada) for Damp Location and for Wet Location with select trims. UL Listed (US and Canada) for Direct Contact with Insulation and Combustible Material. UL Listed (US and Canada) for Feed Through.

© ELCO Lighting 2026. All rights reserved • Rev. 19 Oct 2026 • ELCO Lighting reserves the right to make specification and design changes without notice.