ELCO Lighting

Project Name:

Fixture Type:

Date:

6″ CEDAR SYSTEM NEW CONSTRUCTION IC AIRTIGHT HOUSING W/DRIVER

Housing · 6 1/2″

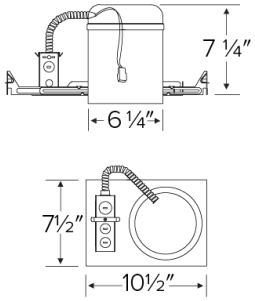


Single Wall IC Airtight housing for high-end residential and light commercial, 850 to 1250 lumens.

FEATURES

- •UL Listed (US and Canada) for direct contact with insulation.
- •Optional 90 minutes, 120/277 VAC, 60Hz, Emergency Backup.
- •Meets Title 24 requirements.
- •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.

DIMENSIONS



SPECIFICATIONS

Lumens	850 · 1200 · 1600 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	6 1/2"
Housing type	IC Airtight
Generation	Gen 2 · Gen 1
Emergency option	No Emergency Backup · Emergency Backup up to 700 lm · Emergency Backup up to 1100 lm

Item page
elcolighting.com/items/6-cedar-system-new-construction-ic-airtight-housing-wdriver
Every item number, IES files, downloads and the latest revision.

PART OF THESE FAMILIES

6″ Cedar™ Housings and LED Light Engines

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

PRODUCT NUMBER BUILDER

Specify **6" Cedar System New Construction IC Airtight Housing w/Driver** item number (Select one) Example: **E6LC08ICA2** Your item number:

ITEM	LUMENS	HOUSING TYPE	DIMMING	GENERATION	EMERGENCY OPTION
E6LC	**08** 850 lm **12** 1200 lm **16** 1600 lm	**ICA** IC Airtight	120V Triac/ELV **D** 120/277V Triac/ELV/0-10V **SD** Sunset (warm dim)	**2** Gen 2 Gen 1	No Emergency Backup **EM1** Emergency Backup up to 700 lm **EM2** Emergency Backup up to 1100 lm

TECHNICAL DETAILS

Construction:

- Single wall IC rated for direct contact with insulation. For use in IC and non-IC conditions. 850, 1,200 or 1,600 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 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: 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.