ELCO Lighting

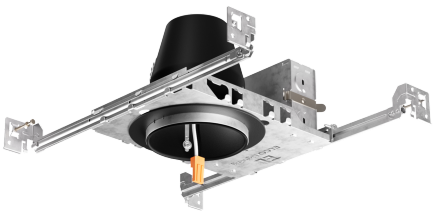
Project Name:

Fixture Type:

Date:

4″ NEW CONSTRUCTION IC AIRTIGHT HOUSING

Housing · Round · 4″

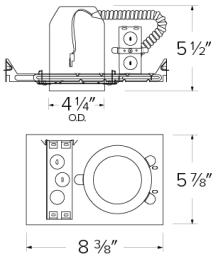


4" New construction dedicated LED housing. Compatible with 4" LED inserts, LED modules or PSA37 with MR16 trims. Can include step-down transformer.

FEATURES

- IC Airtight for direct contact with insulation, for use in IC and non-IC applications
- Housing adjusts in frame to accommodate up to 1 1/2" ceiling thickness
- Meets Title 24 JA8-2025-E requirements.
- EM5 version complies with CEC Title 20 and Title 24 JA8-2025-E
- Trims and inserts sold separately
- Compatible with the Poplar™ LED Module, Koto Module, LED inserts and PSA37
- With Quick Connect Terminal

DIMENSIONS



SPECIFICATIONS

Wattage	18W MAX
Voltage	120-277V
Dimming	Triac/ELV
Aperture	4"
Shape	Round
Emergency option	Emergency Battery Backup

ITEM NUMBERS

ITEM NUMBER	WATTS	VOLTAGE	DIMMING	EMERGENCY OPTION
EL490ICA	18W MAX	120-277V	Triac/ELV	—
EL490ICA-EM5	18W MAX	120-277V	Triac/ELV	Emergency Battery Backup

Item page
elcolighting.com/items/4-new-construction-ic-airtight-housing
Every item number, IES files, downloads and the latest revision.

PART OF THESE FAMILIES

4″ Standard Koto™ · 4″ Poplar™ · 4″ LED Housings and Inserts · 4″ Quick Connect PSA37 Housings and Trims · 4″ Koto™ Aim

TECHNICAL DETAILS

Construction:

- Single wall IC rated for direct contact with insulation, for use in IC or non-IC conditions.
- 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 joists are used. High strength hanger bars can easily be nailed to joists. Maximum hole cutout is 4 1/4". Suitable for T-grid and drop ceiling applications. See installation sheet for detailed information. (For trimless applications only: access above the ceiling is required for servicing the fixture after installation.)

Junction Box: Positioned to accommodate straight conduit runs. Seven 1/2" trade size conduit knockouts, four 3/4" knockouts with pry-out knockout slots. 4 Romex pryouts with strain relief.

Hanger Bars: Pre-installed hanger bars with TrueNail facilitate easy installation in regular lumber, engineered lumber, and laminated beams. Integral T-bar slots for easy installation in T-bars. Spans up to

© ELCO Lighting 2026. All rights reserved • Rev. 13 Nov 2026 • ELCO Lighting reserves the right to make specification and design changes without notice.

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 aligning the housings with the joists.

Electrical: Input Voltage: 120V AC. Inherently protected.

Dimmability: Dimmability based on lamp.

Lamp: Designed for use with ELCO 4" LED inserts, LED modules, or PSA37 with 4" MR16 trims.

Listings: cULus Listed for US and Canada. UL Listed (US and Canada) for Damp Location/Wet Location with select trims. UL Listed (US and Canada) for Feed Through. UL Listed (US and Canada) for Direct Contact with Insulation and Combustible Material. Airtight per ASTM E-283. JA8-2025-E Title 24 Compliant. EM5 version complies with CEC Title 20 and Title 24 JA8-2025-E.

Warranty: ELCO Lighting warrants products will be free from defects in materials and workmanship for a period of 5 years.

© ELCO Lighting 2026. All rights reserved • Rev. 13 Nov 2026 • ELCO Lighting reserves the right to make specification and design changes without notice.