ELCO Lighting

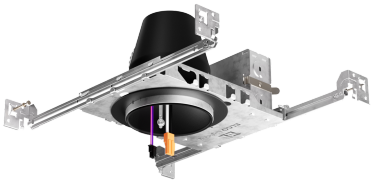
Project Name:

Fixture Type:

Date:

4″ 0-10V NEW CONSTRUCTION DEDICATED LED HOUSING

Housing · 4″

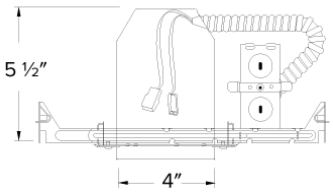


4" 0-10V new construction dedicated LED housing. Compatible with 4" 0-10V LED inserts & 0-10V Koto™ Module.

FEATURES

- Wired for 0-10V Dimming
- Single wall IC Airtight rated for Direct Contact with Insulation
- 120/277V Input
- Meets restricted air flow requirements (per ASTM E-283)
- UL Listed (US and Canada) for direct contact with Insulation
- UL Listed (US and Canada) for Damp Locations
- UL Listed (US and Canada) for Wet Location with Wet Location Rated Inserts
- UL Listed (US and Canada) for Feed Through
- CA Title 24 Compliant

DIMENSIONS



SPECIFICATIONS

Wattage	18 · 14 W
Voltage	120-277V
Dimming	0-10V/Triac/ELV
Aperture	4"
Emergency option	Emergency Battery Backup

ITEM NUMBERS

ITEM NUMBER	WATTS	VOLTAGE	DIMMING	EMERGENCY OPTION
EL490ICDXA	18W	120-277V	0-10V/Triac/ELV	—
EL490ICDXA-EM5	18W	120-277V	0-10V/Triac/ELV	Emergency Battery Backup

Item page
elcolighting.com/items/4-0-10v-new-construction-dedicated-led-housing
Every item number, IES files, downloads and the latest revision.

PART OF THESE FAMILIES

4″ DX Koto™ · 4″ Poplar™ · 4″ Ply™ 0-10V LED Housings and LED Inserts

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.
- Steel housing for greater heat dissipation. Stamped galvanized steel frame.

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.

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 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: 120/277V. Inherently protected.

Dimmability: Dimmability based on LED Insert. 0-10V Dimmable with

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0-10V Dimmable Ply Inserts.

Lamp: Designed for use with ELCO 4" 0-10V LED inserts and 0-10V Koto™ Module.

Listings: UL Listed (US and Canada) for Damp Location. UL Listed (US and Canada) for 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. Install a JA8-2025-E lamp for Title 24 Compliance.

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

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