ELCO Lighting

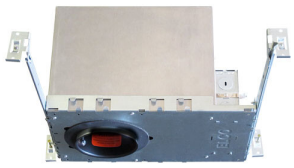
Project Name:

Fixture Type:

Date:

3″ LOW VOLTAGE IC AIRTIGHT HOUSING FOR MR16 BI-PIN

Housing · 3 5/8″



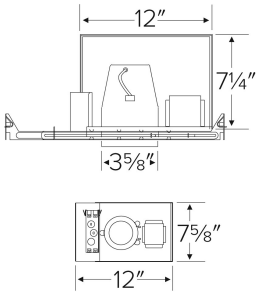
FEATURES

•Double wall IC construction, for use in insulated ceilings.
•Trims sold separately.
•Lamp: 50W MAX 12V MR16 GU/GX5.3 bi-pin Lamp Not Included.

EL2699ICA Magnetic Transformer recommended for use with 20W-50W lamps only.
EL2699ICEA Electronic Transformer recommended for use with 3W-50W LED or Halogen Lamps.

•Lamp Holder: MR16 GU/GX5.3 bi-pin socket
•Note: Use only dimmers specifically designed for use with magnetic transformers.

DIMENSIONS



SPECIFICATIONS

Lamp type	GU5.3 BiPin
Aperture	3 5/8"
Transformer type	Magnetic Transformer · Electronic Transformer

ITEM NUMBERS

ITEM NUMBER	LAMP TYPE	TRANSFORMER TYPE
EL2699ICEA	GU5.3 BiPin	Electronic Transformer
EL2699ICA	GU5.3 BiPin	Magnetic Transformer

Item page
elcolighting.com/items/3-low-voltage-ic-airtight-housing-mr16-bi-pin
Every item number, IES files, downloads and the latest revision.

PART OF THESE FAMILIES

3″ Low Voltage GU5.3 Housings and Trims

↓ Dimmer compatibility list
elcolighting.com · Dimmer Compatibility List

TECHNICAL DETAILS

Construction:

• IC rated for direct contact with insulation, for use in IC or non-IC conditions.

• Housing adjusts in frame to accommodate up to 1 1/4" ceiling thickness.

• Airtight housing with gasket to restrict airflow in accordance with ASTM E-283 air-tight requirements.

• Aluminum housing for greater heat dissipation. Stamped galvanized steel frame.

Installation: Designed for ceiling plenums where 2x6 joists or taller are used. High strength hanger bars can easily be nailed to joists. Maximum hole cutout is 3 3/4". Suitable for T-grid and drop ceiling applications. See installation sheet for detailed information. Access above the ceiling is not required for servicing & repairs occurring after installation (junction box is accessible from below the ceiling).

Junction Box: Positioned to accommodate straight conduit runs. Seven 1/2" trade size pryout conduit knockouts, 4 Romex pryouts with strain relief.

Hanger Bars: Pre-installed hanger bars with True Nail facilitate easy installation in regular lumber, engineered lumber, and laminated beams. Integral T-bar slots for easy installation in T-grids. 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-

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

person installation while aligning the housing with the joists.

Electrical:

- Input Voltage: 120V AC.
- Output Voltage: 12V AC.
- Magnetic or electronic transformer available.
- Thermally protected against improper lamping.

Trims: Compatible with ELCO Low Voltage MR16 trims.

Dimmability:

- Magnetic transformer dims with MLV type dimmers.
- Electronic transformer dims with ELV type dimmers.
- See dimming compatibility list for a list of compatible dimmers.
- Note: Lamp used may affect dimmability.

Lamp: 50W MAX 12V MR16 GU/GX5.3 bi-pin Lamp Not Included. EL2699ICA Magnetic Transformer recommended for use with 20W-50W lamps only. EL2699ICEA Electronic Transformer recommended for use with 3W-50W LED or Halogen Lamps.

Listings: UL Listed for Damp Location. UL Listed for Wet Location with Shower trims. UL Listed for Feed Through. UL Listed for Direct Contact with Insulation and Combustible Material. Airtight per ASTM E-283. Install a JA8-2025-E lamp/luminaire for Title 24 Compliance.

Warranty: ELCO Lighting warrants products will be free from defects in materials and workmanship for a period of 3 years.

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