

# 4" LED New Construction IC Airtight Housing

ELCO Lighting's Integrated LED Mahogany System Housings are energy efficient, high output downlights with a 3 in 1 dimmable driver (Triac/ELV/0-10V, 120/277V) installed on the frame. They are available with a plethora of trims for style options and interchangeable beam angle options. The housings have the driver, LED and heat sink integrated so only a trim is required to complete the job. The Mahogany System is a great high output LED downlight for new construction and remodel applications.



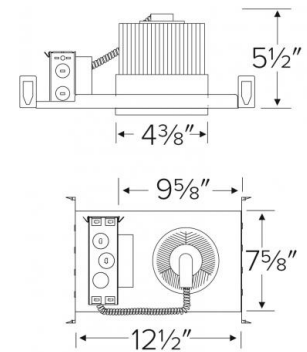
## Features

- 4" LED New Construction IC Airtight Housing includes integrated LED module and driver.
- Advanced heat sink design for best heat dissipation to maintain maximum LED life.
- Battery backup driver available.
- High output CREE LED COB.
- Trims sold separately.

## Specifications

<b>Wattage</b>	16W
<b>Lumens</b>	1200 lm
<b>Voltage</b>	120/277V
<b>Color Temp.</b>	2700K - 4000K
<b>Dimmable</b>	Triac/ELV/0-10V
<b>Lamp Type</b>	LED
<b>CRI</b>	93+
<b>Damp Location</b>	Listed

## Dimensions



## Technical Details

### Construction:

- Single wall IC rated for direct contact with insulation. For use in IC and non-IC conditions.
- Housing has integrated driver, heat sink and LED COB mounted onto the heat sink.
- Compatible trims can be used for beam angle options and design options.
- 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 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. Seven 1/2" trade size conduit knockouts, 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 > 0.9. Can be specified with Lutron drivers for specific applications. Optional 90 Minute 120/277V emergency backup.

**Trims:** Compatible with ELCO 4" LED Recessed Housing trims.

**Dimmability:** 3 in 1 dimming: Triac, ELV and 0-10V dimming in one driver. 0-10V dimming down to 1% with compatible dimmer. Flicker-Free Dimming. Can be specified with Lutron drivers for specific applications. For full list of dimmers refer to the Dimmer Compatibility List.

**Listings:** UL Listed for Damp Location and for Wet Location with select trims. UL Listed for Direct Contact with Insulation and Combustible Material. UL Listed for Feed Through. ENERGY STAR® Certified. California Title 24.

**Warranty:** ELCO Products are built to last. 5-year Limited warranty.

## Product Numbers

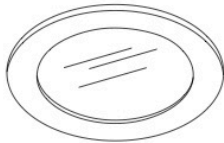
Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming
<b>ELD471CA</b>	LED	1200 lm	2700K	16W	120/277V	Triac/ELV/0-10V
<b>ELD461CA</b>	LED	1200 lm	3000K	16W	120/277V	Triac/ELV/0-10V
<b>ELD451CA</b>	LED	1200 lm	4000K	16W	120/277V	Triac/ELV/0-10V

# Compatible Products

For use with 4" Mahogany Housings



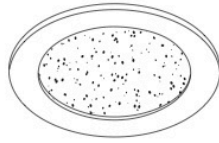
## 4" Mahogany Trims



**Shower Reflector Trim with Clear Lens**

4 7/8" O.D. Includes 3-Optic Lens (14°, 24°, 36°)

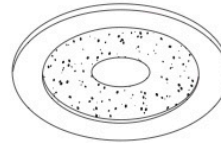
CAT NO.	SPECIFICATIONS
EL4411W	All White



**Shower Reflector Trim with Frosted Lens**

4 7/8" O.D. Includes 3-Optic Lens (14°, 24°, 36°)

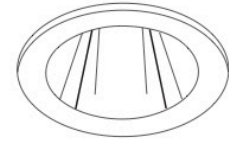
CAT NO.	SPECIFICATIONS
EL4412W	All White



**Shower Reflector Trim with Frosted Pinhole Lens**

4 7/8" O.D. Includes 3-Optic Lens (14°, 24°, 36°)

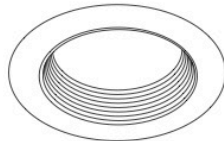
CAT NO.	SPECIFICATIONS
EL4415W	All White



**Reflector Trim with Regressed Lens**

4 7/8" O.D.

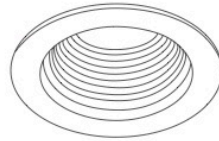
CAT NO.	SPECIFICATIONS
EL4421W	All White
EL4421B	Black Ref. White Ring
EL4421H	Haze Ref. White Ring
EL4421C	Clear Ref. White Ring
EL4421BZ	All Bronze



**Baffle Trim with Reflector and Regressed Frosted Lens**

4 7/8" O.D.

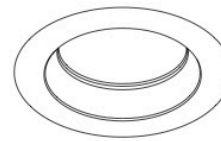
CAT NO.	SPECIFICATIONS
EL4422W	All White



**Baffle Trim with Regressed Lens**

4 7/8" O.D.

CAT NO.	SPECIFICATIONS
EL4423W	All White
EL4423B	Black Bfl. White Ring
EL4423BB	All Black
EL4423BZ	All Bronze



**Regressed Reflector Trim with Frosted Lens**

4 7/8" O.D.

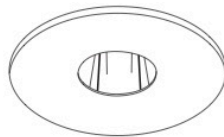
CAT NO.	SPECIFICATIONS
EL4424W	All White



**Reflector with Suspended Glass**

4 7/8" O.D. Includes 3-Optic Lens (14°, 24°, 36°)

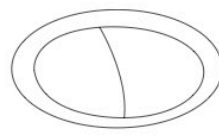
CAT NO.	SPECIFICATIONS
EL4426W	All White



**Pinhole with Reflector Trim**

4 7/8" O.D. Includes 3-Optic Lens (14°, 24°, 36°)

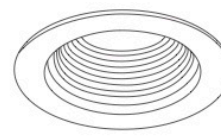
CAT NO.	SPECIFICATIONS
EL4490W	All White



**Wall Wash Trim**

4 7/8" O.D. Includes 3-Optic Lens (14°, 24°, 36°)

CAT NO.	SPECIFICATIONS
EL4492W	All White



**Baffle Trim**

4 7/8" O.D. Includes 3-Optic Lens (14°, 24°, 36°)

CAT NO.	SPECIFICATIONS
EL4493W	All White
EL4493B	Black Bfl. White Ring



**Reflector Trim**

4 3/4" Sq. Includes 3-Optic Lens (14°, 24°, 36°)

CAT NO.	SPECIFICATIONS
EL4499W	All White
EL4499B	Black Ref. White Ring
EL4499C	Clear Ref. White Ring
EL4499H	Haze Ref. White Ring

## 4" Integrated LED Trims



**Shower Square Reflector Trim with Clear Lens**

4 3/4" Sq. Includes 3-Optic Lens (14°, 24°, 36°)

CAT NO.	SPECIFICATIONS
EL4511W	All White



**Shower Square Reflector Trim with Frosted Lens**

4 3/4" Sq. Includes 3-Optic Lens (14°, 24°, 36°)

CAT NO.	SPECIFICATIONS
EL4512W	All White



**Shower Square Reflector Trim with Frosted Pinhole Lens**

4 3/4" Sq. Includes 3-Optic Lens (14°, 24°, 36°)

CAT NO.	SPECIFICATIONS
EL4515W	All White



**Square on Square Baffle Trim**

4 3/4" Sq. Includes 3-Optic Lens (14°, 24°, 36°)

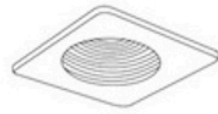
CAT NO.	SPECIFICATIONS
EL4584W	All White



**Square Reflector Trim with Regressed Lens**

4 3/4" Sq.

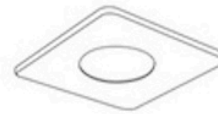
CAT NO.	SPECIFICATIONS
EL4521W	All White
EL4521C	Clear Ref. White Ring
EL4521H	Hoze Ref. White Ring
EL4521BZ	All Bronze



**Square Reflector Baffle Trim with Regressed Lens**

4 3/4" Sq.

CAT NO.	SPECIFICATIONS
EL4523W	All White
EL4523B	Block Bfl. White Ring
EL4523BB	All Block
EL4523BZ	All Bronze



**Square Pinhole Trim**

4 3/4" Sq. Includes 3-Optic Lens (14°, 24°, 36°)

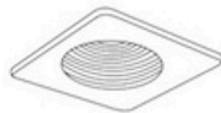
CAT NO.	SPECIFICATIONS
EL4590W	All White



**Square Wall Wash Trim**

4 3/4" Sq. Includes 3-Optic Lens (14°, 24°, 36°)

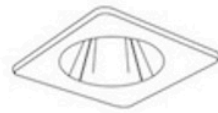
CAT NO.	SPECIFICATIONS
EL4592W	All White



**Square Baffle Trim**

4 3/4" Sq. Includes 3-Optic Lens (14°, 24°, 36°)

CAT NO.	SPECIFICATIONS
EL4593W	All White
EL4593B	Block Bfl. White Ring



**Square Reflector Trim**

4 7/8" O.D. Includes 3-Optic Lens (14°, 24°, 36°)

CAT NO.	SPECIFICATIONS
EL4599W	All White
EL4599B	Block Ref. White Trim
EL4599C	Clear Ref. White Trim
EL4599H	Hoze Ref. White Trim