

# 4" LED Remodel 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.



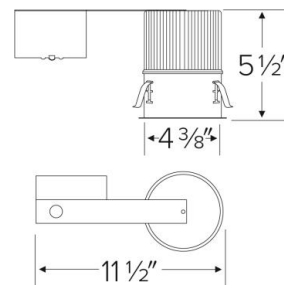
## Features

- 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 Clips hold housing into ceiling.
- 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.

### Electrical:

- Driver is rated for 120V and 277V input (120/277V).
- High Efficient 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. Meets California Title 24 standards.

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

## Product Numbers

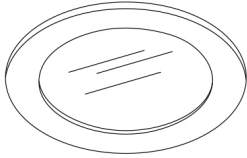
| Item             | Lamp type | Lumens  | CCT   | Watts | Voltage  | Dimming         |
|------------------|-----------|---------|-------|-------|----------|-----------------|
| <b>ELDR47ICA</b> | LED       | 1200 lm | 2700K | 16W   | 120/277V | Triac/ELV/0-10V |
| <b>ELDR45ICA</b> | LED       | 1200 lm | 4000K | 16W   | 120/277V | Triac/ELV/0-10V |

# Compatible Products

For use with 4" Mahogany Housings



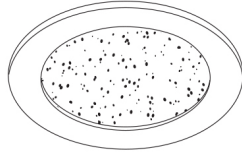
## 4" Mahogany Trims



**Shower Reflector Trim with Clear Lens**

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

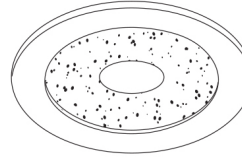
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EL4411W | All White      |



**Shower Reflector Trim with Frosted Lens**

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

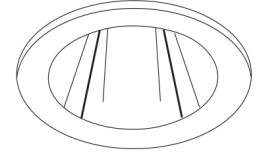
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EL4412W | All White      |



**Shower Reflector Trim with Frosted Pinhole Lens**

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

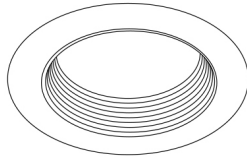
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EL4415W | All White      |



**Reflector Trim with Regressed Lens**

4 7/8" O.D.

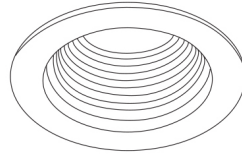
| CAT NO.  | SPECIFICATIONS        |
|----------|-----------------------|
| EL4421W  | All White             |
| EL4421B  | Black Ref. White Ring |
| EL4421H  | Haze Ref. White Ring  |
| EL4421C  | Clear Ref. White Ring |
| EL4421BZ | All Bronze            |



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

4 7/8" O.D.

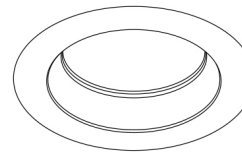
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EL4422W | All White      |



**Baffle Trim with Regressed Lens**

4 7/8" O.D.

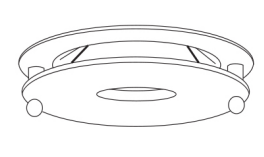
| CAT NO.  | SPECIFICATIONS        |
|----------|-----------------------|
| EL4423W  | All White             |
| EL4423B  | Black Bfl. White Ring |
| EL4423BB | All Black             |
| EL4423BZ | All Bronze            |



**Regressed Reflector Trim with Frosted Lens**

4 7/8" O.D.

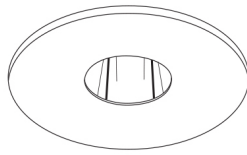
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EL4424W | All White      |



**Reflector with Suspended Glass**

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

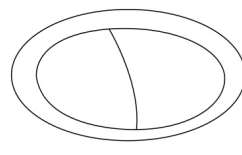
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EL4426W | All White      |



**Pinhole with Reflector Trim**

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

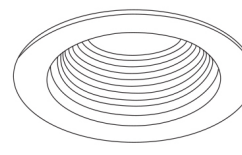
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EL4490W | All White      |



**Wall Wash Trim**

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

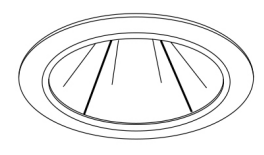
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EL4492W | All White      |



**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  |



# Dimmer Compatibility Chart for The Mahogany™ System

## ELCO Lighting

### For Reference Only

Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility.

| Manufacturer                  | Product                                                                                            | Part Number | Dimmed Light Output Range |
|-------------------------------|----------------------------------------------------------------------------------------------------|-------------|---------------------------|
| <b>Triac/ELV Type Dimmers</b> |                                                                                                    |             |                           |
| Eaton                         | AL Series, Decorator Single-Pole/3-Way Preset Dimmer                                               | DAL06P      | 10% - 100%                |
|                               | DEVINE Decorator, Single Pole/3-Way Dimmer                                                         | DLC03P      | 10% - 100%                |
|                               | SKYE Slide, Single-Pole/3-Way Preset Dimmer                                                        | SLC03P      | 10% - 100%                |
| Leviton                       | Decora 4-Level Step Electro-Mechanical Incandescent Dimmer                                         | 6161-W      | 10% - 100%                |
|                               | Decora Incandescent Dimmer, Single Pole Slide-to-Off with Optional Locator Light                   | 6631-L      | 10% - 100%                |
|                               | Decora Incandescent Dimmer, Single Pole/3-Way with Preset ON/OFF Switch                            | 6633-PL     | 10% - 100%                |
|                               | Trimatron Deluxe 3-Way Electro-Mechanical Incandescent Rotary Dimmer with Push ON/OFF              | 6683-IW     | 10% - 100%                |
|                               | Decora Incandescent Dimmer with LED Locator                                                        | IPI06-1L    | 10% - 100%                |
|                               | Decora Single-Pole/3-Way, IllumaTech Preset Electro-Mechanical Electronic Low-Voltage Slide Dimmer | IPE04-1L    | 10% - 100%                |
|                               | Vizia+ Electronic Low Voltage Dimmer with LED Locator and Brightness Display: Neutral Required     | VPE06-1L    | 10% - 100%                |
| Lightolier                    | Sunrise Quiet Electronic Low Voltage Dimmer                                                        | ZP260QE     | 10% - 100%                |
| Lutron                        | Skylark Contour® Single Pole/3-Way Incandescent/Halogen or Magnetic Low Voltage, Preset Dimmer     | CT-103P     | 10% - 100%                |
|                               | Diva® Series Single Pole Dimmer                                                                    | DV-600P     | 10% - 100%                |
|                               | Diva® Series 150W Single Pole/3-Way Dimmer                                                         | DVCL-153P   | 5% - 86%                  |
|                               | Diva® (gloss) 3-Way, Electronic Low Voltage Dimmer                                                 | DVELV-303P  | 10% - 100%                |
|                               | Faedra® Single Pole, Electronic Low Voltage Dimmer                                                 | FAELV-500   | 10% - 100%                |
|                               | Lumea® Gloss Single Pole, Incandescent/Halogen, Preset Dimmer                                      | LG-600PH    | 10% - 100%                |
|                               | Maestro® (Gloss) Single Pole/Multi-Location, Electronic Low Voltage Dimmer                         | MAELV-600   | 10% - 100%                |
|                               | Skylark® Series 600W Single Pole                                                                   | S-600P      | 10% - 100%                |
|                               | Skylark® Single Pole/3-Way, Incandescent/Halogen, Preset, "Eco-Dim" Dimmer                         | S-603PG     | 5% - 85%                  |
|                               | Skylark® 300W, Single Pole, Electronic Low Voltage, Preset Dimmer                                  | SELV-300P   | 10% - 100%                |
|                               | Ariadni®/Toggler® Single Pole, Incandescent/Halogen Dimmer                                         | TG-600P     | 10% - 100%                |
|                               | Ariadni®/Toggler® Series 150W Single Pole/3-Way Dimmer                                             | TGCL-153P   | 5% - 86%                  |
| <b>0 – 10V Type Dimmers</b>   |                                                                                                    |             |                           |
| Lutron                        | Diva® (Gloss) Single Pole. Must be used with power pack model PP-DV (120-277V) or PP-347H (347V)   | DVTV        | 10% - 100%                |
|                               | Nova® Single Pole. Must be used with power pack model PP-DV (120-277V), or PP-347H (347V)          | NFTV        | 10% - 100%                |

\*NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details

Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.

2042 E. Vernon Ave. Vernon CA 90058 Tel 323.231.2600 Fax 323.231.3200 [elcolighting.com](http://elcolighting.com)