Project name: _____

Fixture type: _____

Date: _____

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

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

Dimensions

5 ½"
4 ⅜"
11 ½"
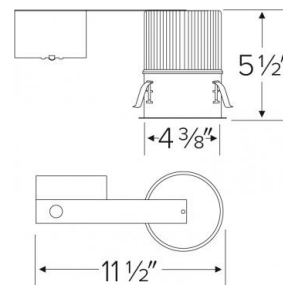
Technical Details

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.

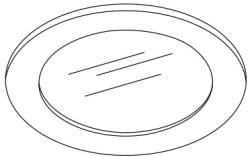**Warranty:** ELCO Products are built to last. 5-year Limited warranty.

Product Numbers

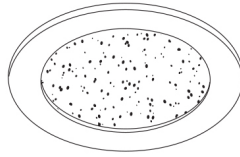| Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming
ELDR47ICA	LED	1200 lm	2700K	16W	120/277V	Triac/ELV/0-10V
ELDR45ICA	LED	1200 lm	4000K	16W	120/277V	Triac/ELV/0-10V

4" Mahogany Trims

Shower Reflector Trim with Clear Lens

4 7/8" O.D. Includes 3-Optic Lens (14°, 24°, 36°)
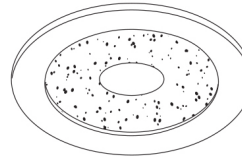
CAT NO.	SPECIFICATIONS
EL4411W	All White

Shower Reflector Trim with Frosted Lens

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

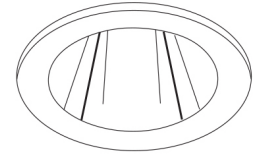| CAT NO.	SPECIFICATIONS
EL4412W	All White

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.

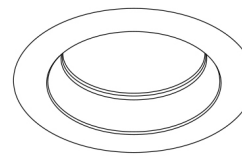| CAT NO.	SPECIFICATIONS
EL4421W	All White
EL4421B	Black Ref. White Ring
EL4421H	Haze Ref. White Ring
EL4421C	Clear Ref. White Ring
EL4421BZ	All Bronze
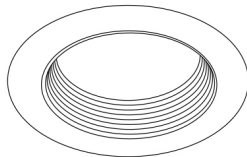
Baffle Trim with Reflector and Regressed Frosted Lens

4 7/8" O.D.

CAT NO.	SPECIFICATIONS
EL4422W	All White
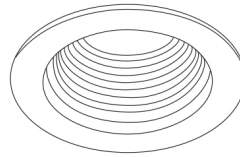
Baffle Trim with Regressed Lens

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

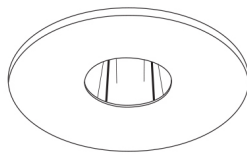4 7/8" O.D.

CAT NO.	SPECIFICATIONS
EL4424W	All White
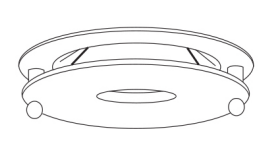
Reflector with Suspended Glass

4 7/8" O.D. Includes 3-Optic Lens (14°, 24°, 36°)
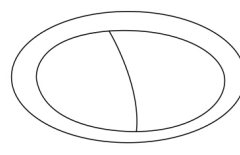
CAT NO.	SPECIFICATIONS
EL4426W	All White

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
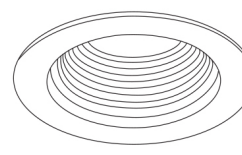
Baffle Trim

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

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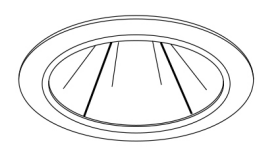
Reflector Trim

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

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
Triac/ELV Type Dimmers			
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%
0 – 10V Type Dimmers			
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

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