

# 4" 0-10V Square Adjustable LED Insert

The Ply System 0-10V dimmable LED Inserts are engineered with energy-efficient LED technology and with a 120/277V 0-10V dimmable driver for a budget friendly 0-10V solution. Designed to be used for New Construction, Remodel with ELCO Ply System Housings or as a retrofit with existing housings.



## Features

- 0-10V/Triac/ELV Dimmable
- 120/277V Driver
- Interchangeable lens available for multiple beam angles. 36° Standard, 20° (EP710C) and 60° (EP712C) optional
- Adjustability of 65° tilt and 356° rotation
- Lumens (Wattage): 850 lm (12.6W), 900 lm (12.6W)
- 93+ CRI for extremely accurate color rendering
- cUL listed
- Energy Star Certified
- Title 24 JA8-2019 Compliant
- Life span of 50,000 hours L70
- Compatible with EL490 Family (not for use in shallow housings)

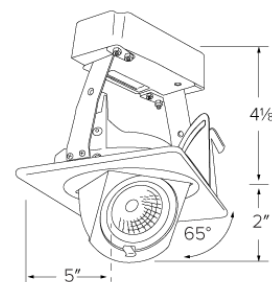
## Specifications

|                      |                 |
|----------------------|-----------------|
| <b>Wattage</b>       | 12.6W           |
| <b>Lumens</b>        | 850 lm          |
| <b>Voltage</b>       | 120/277V        |
| <b>Color Temp.</b>   | 2700K           |
| <b>Dimmable</b>      | Triac/ELV/0-10V |
| <b>Beam Angle</b>    | 36°             |
| <b>CRI</b>           | 93+             |
| <b>Damp Location</b> | Listed          |

## Options



## Dimensions



## Technical Details

**Optics:** Frosted polycarbonate lens diffuses light evenly throughout while reducing glare with LED Array technology.

**Construction:** For use in IC and non-IC housings. Diecast construction for lasting quality and greater heat dissipation. High quality powder coat finish preventing rust and paint cracking.

**Installation:** Quick connect for use with EL49FICDXA, EL49FICDXA-B, EL490ICDXA, EL490ICDXA-B and EL490RICDXA.

**Electrical:** Driver connects to 120/277V power supply. High Efficiency driver with a power factor > 0.9. Ambient operating temperature -40°F (-40°C) to 104°F (40°C). Input wattage of 14W. Start time of less than .75 seconds.

### LED Technology:

- Extremely accurate color rendering with 93+ CRI.
- Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results.
- Superior Thermal Management by utilizing integral heat sink.
- Instant On to Full Brightness.
- No LED pixelation.

**Dimmability:** Works with Triac/ELV/0-10V dimmers . Dims down to 10%. For full list of dimmers refer to the Dimmer Compatibility List.

### Listings:

- cUL Listed for Damp Location.
- RoHS Compliant.
- ENERGY STAR® Certified.
- Title 24 JA8-2019 Compliant.

## Product Number

| Item              | Lumens | CCT   | Watts | Voltage  | Dimming         | Beam Angle | Finish    |
|-------------------|--------|-------|-------|----------|-----------------|------------|-----------|
| <b>EL44727DXW</b> | 850 lm | 2700K | 12.6W | 120/277V | Triac/ELV/0-10V | 36°        | All White |

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

# Product Number Builder

Example: **EL44727DXW**

ELCO 4" adjustable LED Inserts

Color Temp.

Finish

EL447

- 27 2700K
- 30 3000K

- DXW All White
- DXB All Black
- DXBZ All Bronze

# Compatible Products

For use with 4" 0-10V Adjustable LED Inserts



## 4" 0-10V Dedicated LED Housings



4" 0-10V Dedicated LED Housing  
**New Construction**

| CAT NO.        | SPECIFICATIONS    |
|----------------|-------------------|
| EL490ICDXA     | 14W, 120/277V     |
| EL490ICDXA-EM5 | Emergency Back-Up |



4" 0-10V Dedicated LED Housing  
**New Construction**

| CAT NO.     | SPECIFICATIONS |
|-------------|----------------|
| EL490RICDXA | 14W, 120/277V  |



2-Hour Fire Rated 4" 0-10V Dedicated LED Housing  
**New Construction**

| CAT NO.    | SPECIFICATIONS                |
|------------|-------------------------------|
| EL49FICDXA | 7 3/4" Height - 14W, 120/277V |



**ELCO Lighting**

# Dimmer Compatibility Chart

## 0-10V Dimming LED Inserts

EL447&497

### 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%                |
|                               | Faendra® 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%                |
| Leviton                       | IllumaTech Single Pole/3-Way Preset 0-10VDC Slide Dimmer                                           | IP710-DL    | 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.