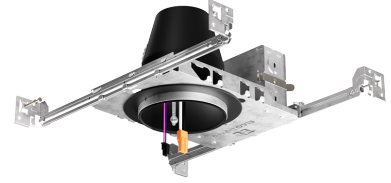


# 4" 0-10V New Construction Dedicated LED Housing

4" 0-10V new construction dedicated LED housing. Compatible with 4" 0-10V LED inserts & 0-10V Koto™ Module.



## Features

- Wired for 0-10V Dimming
- Single wall IC Airtight rated for Direct Contact with Insulation
- 120/277V Input
- Meets restricted air flow requirements (per ASTM E-283)
- cUL Listed for direct contact with Insulation
- cUL Listed for Damp Locations
- cUL Listed for Wet Location with Wet Location Rated Inserts
- cUL Listed for Feed Through
- CA Title 24 Compliant

## Specifications

|                      |          |
|----------------------|----------|
| <b>Wattage</b>       | 14W      |
| <b>Voltage</b>       | 120/277V |
| <b>Wet Location</b>  | Listed   |
| <b>Damp Location</b> | Listed   |

## Options



**EL490ICDXA-EM5  
Emergency Backup**

## Technical Details

### Construction:

- Single wall IC rated for direct contact with insulation, for use in IC or Non-IC conditions.
- Housing adjusts in frame to accommodate up to 1 1/2" ceiling thickness.
- Airtight housing with gasket to restrict airflow in accordance with ASTM E-283 air-tight requirements.
- Steel housing for greater heat dissipation. Stamped galvanized steel frame.

**Installation:** Designed for ceiling plenums where 2x6 joists or taller joists are used. High strength hanger bars can easily be nailed to joists. Maximum hole cutout is 4 1/4". 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 3/4" knockouts with pry-out knockout slots. 4 Romex pryouts with strain relief.

**Hanger Bars:** Pre-installed hanger bars with TrueNail facilitate easy installation in regular lumber, engineered lumber, and laminated beams. Integral T-bar slots for easy installation in T-bars. 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-person installation while aligning the housings with the joists.

**Electrical:** Input Voltage: 120/277V. Inherently protected.

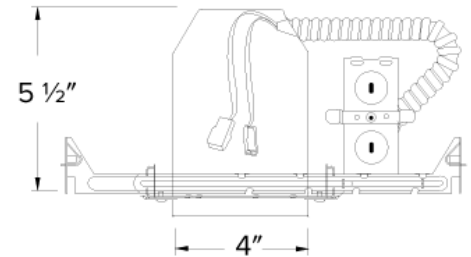
**Dimmability:** Dimmability based on LED Insert. 0-10V Dimmable with 0-10V Dimmable Ply Inserts.

**Lamp:** Designed for use with ELCO 4" 0-10V LED inserts and 0-10V Koto™ Module.

**Listings:** cUL Listed for Damp Location. cUL Listed for Wet Location with select trims. cUL Listed for Feed Through. cUL Listed for Direct Contact with Insulation and Combustible Material. Airtight per ASTM E-283. Install a JA8-2016-E lamp for Title 24 Compliance.

**Warranty:** ELCO Lighting warrants products will be free from defects in materials and workmanship for a period of 5 years.

## Dimensions



## Product Number

| Item         | Description                          | Watts | Voltage  |
|--------------|--------------------------------------|-------|----------|
| EL490ICDXAEM | 4" New Construction Emergency Backup | 14W   | 120/277V |

# Compatible Products



For use with Dedicated 4" IC LED Housings

## 4" Ply™ 0-10V Dimmable, 120/277V LED Inserts



**Round Insert**

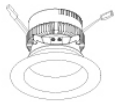
**EL495**

Finishes:

(DW, DHW, DCW)

### PRODUCT NUMBER BUILDER

| 4" 120/277V LED Inserts | Color Temperature  | Finish  |
|-------------------------|--|---|
| <b>EL495</b>            | <b>30</b> 3000K (800 lm)<br><b>35</b> 3500K (850 lm)<br><b>40</b> 4000K (900 lm) | <b>DW</b> All White<br><b>DHW</b> Haze w/White Ring<br><b>DCW</b> Chrome w/White Ring |





**Round Insert with 5-CCT and 3-Lumen Switch**

**EL475CT5DW**

All White

| CAT NO.    | COLOR TEMPERATURE                                    | LUMENS                                     |
|------------|--|--|
| EL475CT5DW | 5-CCT Switch<br>2700K, 3000K, 3500K,<br>4000K, 5000K | 3-Lumen Switch<br>850 lm, 1000 lm, 1500 lm |

## 4" Ply™ 0-10V Dimmable, 120/277V Adjustable LED Inserts



**Round Adjustable Gimbal**

**EL414**

Finishes:

(DXW, DXB)



**Round Adjustable Insert**

**EL497**

Finishes:

(DXW, DXB, DXBZ DXN)



**Square Adjustable Insert**

**EL447**

Finishes:

(DXW, DXB, DXBZ DXN)



### ACCESSORIES

**Interchangeable Lens**  
(For EL497 & EL447 Series only)

**EP710C** 20° Beam  
**EP712C** 60° Beam

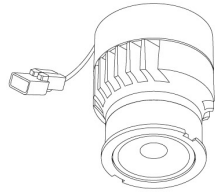
### PRODUCT NUMBER BUILDER

| 4" 120/277V Adjustable LED Inserts | Style  | Color Temperature                    | Finish   |
|------------------------------------|--|--------------------------------------|--|
| <b>EL4</b>                         | <b>14</b> Adjustable Gimbal<br><b>97</b> Round Adjustable<br><b>47</b> Square Adjustable | <b>27D</b> 2700K<br><b>30D</b> 3000K | <b>DXW</b> All White<br><b>DXB</b> All Black<br><b>DXBZ</b> All Bronze<br><b>DXBN</b> All Nickel |

# Compatible Products

For use with Dedicated 4" 0-10V Koto ICAD LED Housings

## 0-10V Koto™ LED Module



**0-10V Koto™  
LED Module  
ELK10DX**

| PRODUCT NUMBER BUILDER |            |             |                   |                             |
|------------------------|------------|-------------|-------------------|-----------------------------|
| 0-10V Koto™ LED Module | Lumens     | Voltage     | Color Temperature | Beam Angle                  |
| ELK                    |            |             |                   |                             |
|                        | 10 1000 lm | DX 120/277V | 27 2700K          | (blank) 38° lens (Standard) |
|                        |            |             | 30 3000K          | -S 18° lens                 |
|                        |            |             | 35 3500K          | -N 25° lens                 |
|                        |            |             | 40 4000K          | -W 60° lens                 |
|                        |            |             | SD Sunset Dimming |                             |

### ACCESSORIES



#### Lens

- EP731C** 18° Lens
- EP732C** 25° Lens
- EP733C** 38° Lens
- EP734C** 60° Lens

\*EP732C, EP733C, EP734C Included



#### Snoot

- L50W** White
- L50B** Black



#### Secondary Optics

- L45** Hex Louver
- L46** Linear Lens
- L47** Spread Louver
- L49** Frosted Lens
- L51** Color Shifter

## 4" Pex™ Round Twist-On Trims



Recommended to be used with Maximum Adjustability Housing

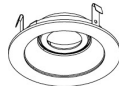


#### Reflector

**ELK4118**

Finishes:

(W, BB, BZ, B, C, H)



#### Adjustable Gimbal

**ELK4129**

Finishes:

(W, BB, BZ, B, C, H)

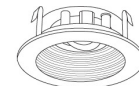


#### Adjustable Pinhole

**ELK4127**

Finishes:

(B, BB, BZ)



#### Adjustable Baffle

**ELK4193**

Finishes:

(W, BB, B)



#### Slot Aperture

**ELK4130**

Finishes:

(W)



#### Rotatable Slot Aperture

**ELK4120**

Finishes:

(W)



#### Adj. Wall Wash

**ELK4122**

Finishes:

(W)

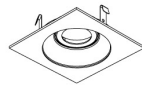
# Compatible Products

For use with Dedicated 4" 0-10V Koto ICAD LED Housings

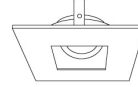
## 4" Pex™ Square Twist-On Trims



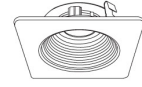
**Reflector**  
**ELK4218**  
Finishes:  
(W, BB, BZ, B, C, H)



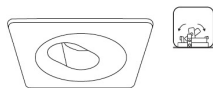
**Adjustable Gimbal**  
**ELK4229**  
Finishes:  
(W, BB, BZ, B, C, H)



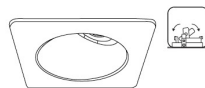
**Adjustable Pinhole**  
**ELK4227**  
Finishes:  
(B, BB, BZ)



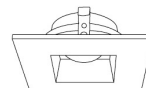
**Adjustable Phenolic Baffle**  
**ELK4293**  
Finishes:  
(W, BB, B)



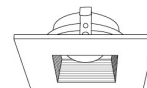
**Adj. Slot Rotatable Aperture**  
**ELK4220**  
Finishes:  
(W)



**Adjustable Wall Wash**  
**ELK4222**  
Finishes:  
(W)



**Adjustable Reflector**  
**ELK4282**  
Finishes:  
(W)

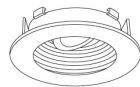


**Adjustable Baffle**  
**ELK4284**  
Finishes:  
(W)

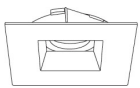
## 4" Flexa™ Twist-On Trims



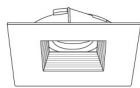
**Round Reflector**  
**ELK4721**  
Finishes:  
(WW, BB, BZBZ, BW, CC, CW, HW, CN)



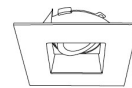
**Round Baffle**  
**ELK4723**  
Finishes:  
(WW, BB, BZBZ, BW)



**Square Reflector**  
**ELK4741**  
Finishes:  
(WW, BB, BZBZ, BW, HW)  
*\*Not for Remodel Housing*



**Square Baffle**  
**ELK4743**  
Finishes:  
(WW, BB, BZBZ, BW)  
*\*Not for Remodel Housing*

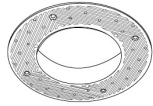


**Adjustable Square Reflector**  
**ELK4759**  
Finishes:  
(WW, BB, B, H)

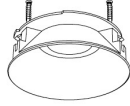
# Compatible Products

For use with Dedicated 4" 0-10V Koto ICAD LED Housings

## 4" Pex™ Trimless • Only for use with EL485ICDXA & EL490AJICDXA

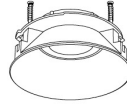


**Round Spackle  
Frame Only**  
**EL4SFR**



**Round Smooth Reflector**

**ELK408**  
Finishes:  
(W, B, BZ, H)



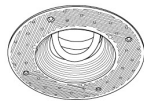
**Round Adjustable  
Reflector**

**ELK415**  
Finishes:  
(W, B, BZ, H)



**Adjustable Reflector  
with Spackle Frame**

**ELK430**  
Finishes:  
(W, B, BZ, H)

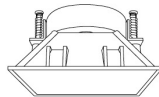


**Adjustable Baffle  
with Spackle Frame**

**ELK434**  
Finishes:  
(W, B, BZ)

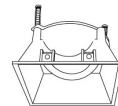


**Sq. Spackle Frame**  
**EL4SFS**



**Sq. Smooth Reflector**

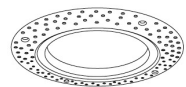
**ELK445**  
Finishes:  
(W, B, H)



**Sq. Adjustable Reflector**

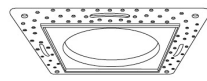
**ELK459**  
Finishes:  
(W, B, H)

## 4" Flush Mount Trim Adaptors



**Round Flush Mount**

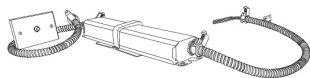
**EL4FMR**  
For use with  
ELK41 & Unique™ Trims



**Square Flush Mount**

**EL4FMS**  
For use with  
ELK42 Trims

## 4" Accessories



**Emergency Battery Backup**

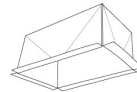
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| KEM-LD5 | 8W, 120/277V   |

\* Requires access from above



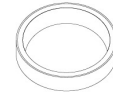
**Fire Cover**

| CAT NO. | SPECIFICATIONS      |
|---------|---------------------|
| FIRECVR | 9 3/4" H x 17" O.D. |



**Fire Enclosure**

| CAT NO.    | SPECIFICATIONS             |
|------------|----------------------------|
| FIREENCL   | 20 3/8" L x 14 3/8" W      |
| FIREENCL-S | Shallow, 16" L x 14 3/8" W |



**Mica Fire Tape**

| CAT NO.  | SPECIFICATIONS |
|----------|----------------|
| FIRETAPE | 3/4" W x 16' L |