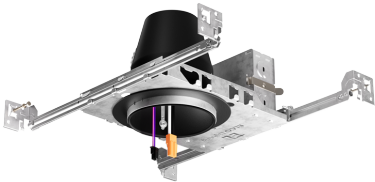


# 4" 0-10V New Construction Dedicated LED Housing

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

Wattage	14W - 18W
Voltage	120/277V
Wet Location	Listed
Damp Location	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.

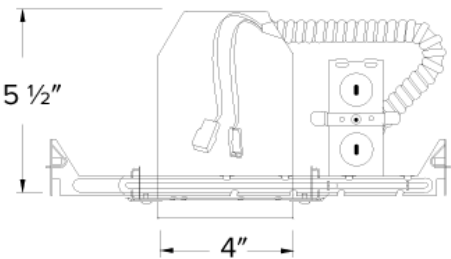
**Dimmability:** Dimmability based on LED Insert. 0-10V Dimmable with 0-10V Dimmable Ply Inserts.

**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 Numbers

Item	Description	Watts	Voltage
EL490ICDXA	4" New Construction	18W	120/277V
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)	<b>DW</b> All White
	<b>35</b> 3500K (850 lm)	<b>DHW</b> Haze w/White Ring
	<b>40</b> 4000K (900 lm)	<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 2700K, 3000K, 3500K, 4000K, 5000K	3-Lumen Switch 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

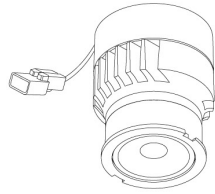
4" 120/277V Adjustable LED Inserts	Style	Color Temperature	Finish
<b>EL4</b>			
	<b>14</b> Adjustable Gimbal	<b>27D</b> 2700K	<b>DXW</b> All White
	<b>97</b> Round Adjustable	<b>30D</b> 3000K	<b>DXB</b> All Black
	<b>47</b> Square Adjustable		<b>DXBZ</b> All Bronze
			<b>DXBN</b> All Nickel

# 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)

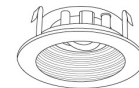


#### Adjustable Pinhole

**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



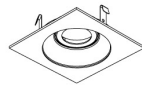
## 4" Pex™ Square Twist-On Trims



**Reflector**

**ELK4218**

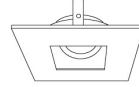
Finishes:  
(W, BB, BZ, B, C, H)



**Adjustable Gimbal**

**ELK4229**

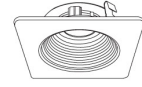
Finishes:  
(W, BB, BZ, B, C, H)



**Adjustable Pinhole**

**ELK4227**

Finishes:  
(B, BB, BZ)



**Adjustable Phenolic Baffle**

**ELK4293**

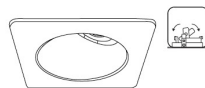
Finishes:  
(W, BB, B)



**Adj. Slot Rotatable Aperture**

**ELK4220**

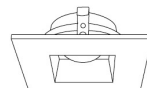
Finishes:  
(W)



**Adjustable Wall Wash**

**ELK4222**

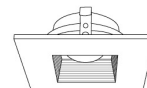
Finishes:  
(W)



**Adjustable Reflector**

**ELK4282**

Finishes:  
(W)



**Adjustable Baffle**

**ELK4284**

Finishes:  
(W)

## 4" Flexa™ Twist-On Trims



**Round Reflector**

**ELK4721**

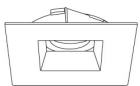
Finishes:  
(WW, BB, BZBZ, BW, CC, CW, HW, CN)



**Round Baffle**

**ELK4723**

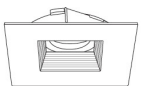
Finishes:  
(WW, BB, BZBZ, BW)



**Square Reflector**

**ELK4741**

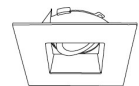
Finishes:  
(WW, BB, BZBZ, BW, HW)  
*\*Not for Remodel Housing*



**Square Baffle**

**ELK4743**

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



**Adjustable Square Reflector**

**ELK4759**

Finishes:  
(WW, BB, B, H)

# Compatible Products

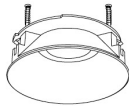
For use with Dedicated 4" 0-10V Koto ICAD LED Housings

## 4" Pex™ Trimless

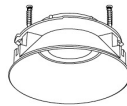
Only for use with EL485/CDXA & EL490AJ/CDXA



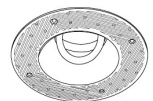
**Round Spackle  
Frame Only**  
**EL4SFR**



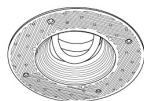
**Round Smooth Reflector**  
**ELK408**  
Finishes:  
(W, B, BZ, H)



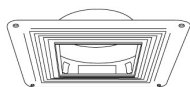
**Round Adjustable  
Reflector**  
**ELK415**  
Finishes:  
(W, B, BZ, H)



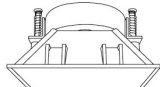
**Adjustable Reflector  
with Spackle Frame**  
**ELK430**  
Finishes:  
(W, B, BZ, H)



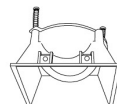
**Adjustable Baffle  
with Spackle Frame**  
**ELK434**  
Finishes:  
(W, B, BZ)



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

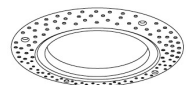


**Sq. Smooth Reflector**  
**ELK445**  
Finishes:  
(W, B, H)

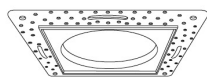


**Sq. Adjustable Reflector**  
**ELK459**  
Finishes:  
(W, B, H)

## 4" Flush Mount Trim Adaptors

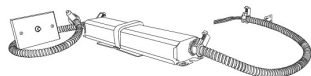


**Round Flush Mount**  
**EL4FMR**  
For use with  
ELK41 & Unique™ Trims



**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