

# 0-10V Koto™ LED Module

Works with 2", 3", 4", and 6" ELCO 0-10V Recessed Housings and Koto™ Trims



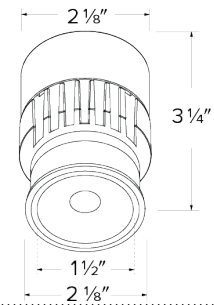
## Features

- Integrated 120-277V (50/60Hz), 0-10V/Triac/ELV dimmable driver
- Excellent color rendering 95+ CRI
- Sunset Module ELK10DXSD starts from 3000K and dims to 1800K
- Works in 2", 3", 4", and 6" ELCO 0-10V Housings with Koto™ twist-on trims
- Energy Star Certified
- Title 24 JA8-2019 Compliant
- Standard 38° Lens installed, 25° and 60° lens included with each module - Optional Lens: 18° (EP731C), 90° (EP739C)
- Optional: Louver (L45), Linear Lens (L46), Spread Lens (L47), Clear Lens (L48), Frosted Lens (L49), Snoot (L50), Color Shifter (L51), Blue Lens (L52), Pink Lens (L53), Single Asymmetric Lens (L54), Double Asymmetric Lens (L55)
- Covered by U.S. PATENTS and Patents Pending

## Specifications

<b>Wattage</b>	11.8W
<b>Lumens</b>	1000 lm
<b>Voltage</b>	120-277V
<b>Color Temp.</b>	3000K
<b>Dimmable</b>	0-10V/Triac/ELV
<b>Lamp Type</b>	LED
<b>Beam Angle</b>	90°
<b>CRI</b>	95
<b>Wet Location</b>	cUL Listed w/Wet Location Trim
<b>Damp Location</b>	cUL Listed

## Dimensions



## Technical Details

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

**Construction:** Integrated driver and light engine with quick connect. Diecast aluminum body with heat fins allow for efficient cooling.

**Installation:** Twist-on design for toolless trim installation, for use with Koto™ trims only. Can be use in 2", 3", 4" and 6" ELCO 0-10V Recessed Housings.

**Electrical:** Module connects to 120-277V input power. High efficiency driver with a power factor >0.9. Start time of less than 0.75 seconds.

**Delivered Lumens:** 1000 lm (11.8W)

**LED Technology:** Extremely accurate Color Rendering Index of 95+. Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results. Superior Thermal Management by utilizing integrated heat sink. Instant On to Full Brightness technology. No LED pixilation.

**Sunset:** Sunset color temperature is our dim-to-warm LED technology that allows the color temperature to become warmer as the product is dimmed. Our SUNSET items start at 3000K and go as low as 1800K when dimmed. For Sunset dim technology be sure to order an item with "Sunset" in the Color Temperature (CCT) attribute.

**Dimmability:** Works with 120-277V input, 0-10V/Triac/ELV type dimmers. Dims down to 5%. For full list of

dimmers, refer to the Dimmer Compatibility List. Industry leading dimming that dims smoothly with no hot spots or flickering.

**Listings:** cUL Listed for Damp Locations. cUL Listed for Wet Location with Wet location trims. RoHS Compliant. Meets Energy Star & California Title 24 JA8-2019 standards.

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

## Product Number Builder Example: ELK10DX27

DX Koto™ LED Module	Lumens	Voltage	Color Temp.	Beam Angle
<b>ELK</b>	<b>10</b> 1000 lm (11.8W)	<b>DX</b> 120-277V	<b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K <b>SD</b> Sunset <sup>1</sup>	38° <sup>2</sup> <b>-S</b> 18° <b>-N</b> 25° <b>-W</b> 60° <b>-E</b> 90° <sup>3</sup>

<sup>1</sup> Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

<sup>2</sup> 38° lens installed. Includes 25° and 60° lens with module.

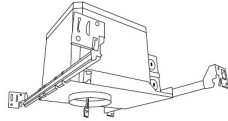
<sup>3</sup> 90° Frosted Reflector

# Compatible Products



For use with 0-10V Koto™ LED Module

## 2" Koto™ Dedicated LED ICA Housings



2" ICA Maximum Adjustability Housing  
**New Construction**

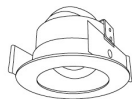
CAT NO.	SPECIFICATIONS
EL276ICDXA	Maximum Adjustability

## 2" Pex™ Twist-On Trims



**Round Deep Reflector**

**ELK2818**  
Finishes:  
(W, B, H, BB, BZ)



**Round Adjustable Reflector**

**ELK2829**  
Finishes:  
(W, B, H, BB, BZ)



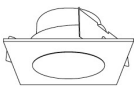
**Round Adjustable Pinhole**

**ELK2827**  
Finishes:  
(W, B, BB, BZ)



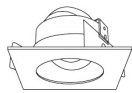
**Round Curved Reflector**

**ELK2872**  
Finishes:  
(W, B\*)



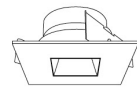
**Square Deep Reflector**

**ELK2518**  
Finishes:  
(W, B, BB)



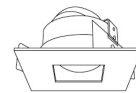
**Square Adjustable Reflector**

**ELK2529**  
Finishes:  
(W, B, BB)



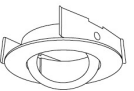
**Square Reflector**

**ELK2541**  
Finishes:  
(W, B, BB)



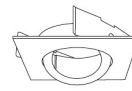
**Square Adjustable Pinhole**

**ELK2527**  
Finishes:  
(W, B, BB)



**Round Gimbal**

**ELK2888**  
Finishes:  
(W, B\*, BZ)



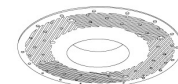
**Square Gimbal**

**ELK2588**  
Finishes:  
(W, B\*, BZ)



**Round Adj. Trimless Reflector**

**ELK215**  
Finishes:  
(W, B\*)



**Trimless Spackle Frame**

**EL2SFR**  
For use with ELK215

Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black w/White Ring, **C** - Chrome w/White Ring, **H** - Haze w/White Ring, **B\*** - All Black (For ELK2872, ELK2888, ELK2588, & ELK215)

# Compatible Products



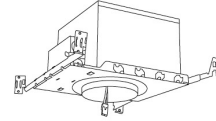
For use with 0-10V Koto™ LED Module

## 3" Koto™ Dedicated LED ICA Housings



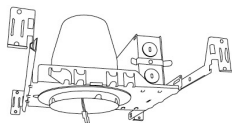
2-Hour Fire Rated 3" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL39FICDXA	7 1/2" Height - Sound Rated



3" ICA Maximum Adjustability Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL386ICDXA	Maximum Adjustability



3" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL390ICDXA	
EL390ICDXA-EM5	Emergency Battery Back-up (90 minutes)



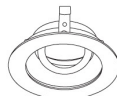
3" ICA Housing  
**Remodel**

CAT NO.	SPECIFICATIONS
EL390RICDXA	

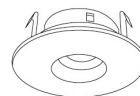
## 3" Pex™ Twist-On Trims



**Round Deep Reflector**  
**ELK3618**  
Finishes:  
(W, BB, BZ, B, C, H)



**Round Adjustable Gimbal**  
**ELK3629**  
Finishes:  
(W, BB, BZ, B, C, H)



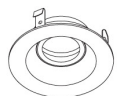
**Round Adjustable Pinhole**  
**ELK3627**  
Finishes:  
(B, BB, BZ, B, H)



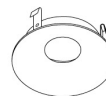
**Round Adj. Slot Aperture**  
**ELK3620**  
Finishes:  
(W)



**Round Adj. Wall Wash**  
**ELK3622**  
Finishes:  
(W)



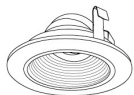
**Round Regressed Eyeball**  
**ELK3653**  
Finishes:  
(W, BB, B)



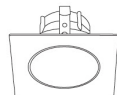
**Round Curved Reflector**  
**ELK3672**  
Finishes:  
(W, B)



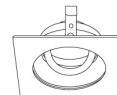
**Round Directional Gimbal**  
**ELK3679**  
Finishes:  
(W, BB, B, H)



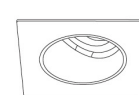
**Round Adjustable Baffle**  
**ELK3693**  
Finishes:  
(W)



**Square Deep Reflector**  
**ELK3318**  
Finishes:  
(W, BB, BZ, B, C, H)



**Square Adjustable Reflector**  
**ELK3329**  
Finishes:  
(W, BB, BZ, B, C, H)



**Square Adj. Wall Wash**  
**ELK3322**  
Finishes:  
(W)

\*Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black Reflector w/White Ring, **C** - Chrome Reflector w/White Ring, **H** - Haze Reflector w/White Ring

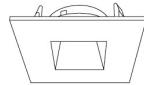
# Compatible Products

For use with 0-10V Koto™ LED Module

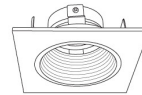
## 3" Pex™ Twist-On Trims



**Square Adjustable Pinhole**  
**ELK3327**  
Finishes:  
(W, BB, BZ, B, H)

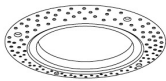


**Square Reflector**  
**ELK3341**  
Finishes:  
(W, BB, BZ, B)

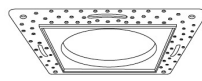


**Square Adjustable Baffle**  
**ELK3393**  
Finishes:  
(W)

## 3" Pex™ Flush Mount Trim Adaptors



**Round Flush Mount Trim Adaptor**  
**EL3FMR**  
Compatible 3" Pex™ Round trims:  
ELK3618, ELK3629, ELK3627, ELK3693,  
ELK3620, ELK3622 Series



**Square Flush Mount Trim Adaptor**  
**EL3FMS**  
Compatible 3" Pex™ Square trims:  
ELK3318, ELK3329, ELK3322, ELK3327,  
ELK3341, ELK3393 Series

## 3" Pex™ Trimless



**Round Trimless Reflector**  
**ELK308**  
Finishes:  
(W, B, H)



**Round Adjustable Trimless Reflector**  
**ELK315**  
Finishes:  
(W, B, H)



**Round Trimless Spackle Frame**  
**EL3SFR**  
For use with ELK315



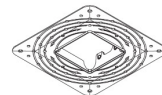
**Round Knife Edge Wood Ceiling Trim w/Mounting Clips**  
**EL3WCR**  
Finishes:  
(W, B)



**Square Trimless Reflector**  
**ELK370**  
Finishes:  
(W, B, H)



**Square Adjustable Trimless Reflector**  
**ELK381**  
Finishes:  
(W, B, H)



**Square Trimless Spackle Frame**  
**EL03SFS**  
For use with ELK370 & ELK381

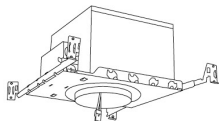
Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black w/White Ring, **C** - Chrome w/White Ring, **H** - Haze w/White Ring, **B\*** - All Black (For ELK315, ELK370, & ELK381)

# Compatible Products



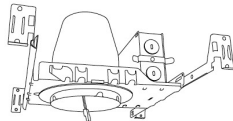
For use with 0-10V Koto™ LED Module

## 4" Koto™ Dedicated LED ICA Housings



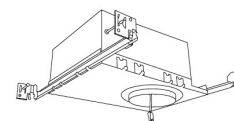
4" ICA Maximum Adjustability Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL485ICDXA	Maximum Adjustability



4" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL490ICDXA	14W, 120/277V
EL490ICDXA-EM5	Emergency Battery Back-up (90 minutes)



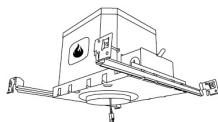
4" R-60 Spray Foam Insulation Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL490AJICDXA	Maximum Adj. for use in R60 or Chicago plenum applications



4" ICA Housing  
**Remodel**

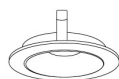
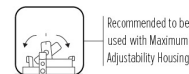
CAT NO.	SPECIFICATIONS
EL490RICDXA	14W, 120V



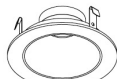
2-Hour Fire Rated 4" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL48FICDXA	7 1/2" Height, Sound Rated

## 4" Pex™ Twist-On Trims



**Shallow Reflector**  
**ELK4116**  
Finishes:  
(W, H)



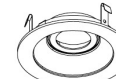
**Deep Reflector**  
**ELK4118**  
Finishes:  
(W, BB, BZ, B, C, H)



**Adjustable Reflector**  
**ELK4129**  
Finishes:  
(W, BB, BZ, B, C, H)



**Adjustable Reflector with Clear Glass**  
**ELK4111**  
Finishes:  
(W, BB, BZ, B, C, H)



**Adjustable Reflector with Frosted Lens**  
**ELK4112**  
Finishes:  
(W, BB, BZ, B, C, H)



**Rotatable Slot Aperture**  
**ELK4120**  
Finishes:  
(W)



**Adjustable Wall Wash**  
**ELK4122**  
Finishes:  
(W)



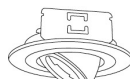
**Adjustable Pinhole**  
**ELK4127**  
Finishes:  
(W, BB, BZ, B, H)



**Adjustable Pinhole with Frosted Glass**  
**ELK4125**  
Finishes:  
(W, BB, BZ, B, H)



**Slot Aperture**  
**ELK4130**  
Finishes:  
(W)



**Adjustable Spot**  
**ELK4188**  
Finishes:  
(W, B, BZ)



**Regressed Eyeball**  
**ELK4153**  
Finishes:  
(W, BB, B)



**Curved Reflector**  
**ELK4172**  
Finishes:  
(W, B)



**Directional Gimbal**  
**ELK4179**  
Finishes:  
(W, BB, B, H)



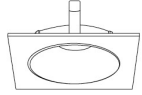
**Adjustable Baffle**  
**ELK4193**  
Finishes:  
(W, BB, B)

Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black w/White Ring, **C** - Chrome w/White Ring, **H** - Haze w/White Ring, **B\*** - All Black (For ELK4188, ELK4172, & ELK4284)

# Compatible Products

For use with 0-10V Koto™ LED Module

## 4" Pex™ Twist-On Trims



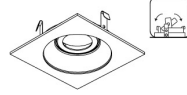
**Shallow Reflector**

**ELK4216**  
Finishes:  
(W, H)



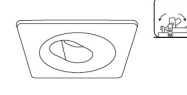
**Deep Reflector**

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



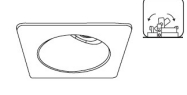
**Adjustable Gimbal**

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



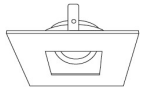
**Adjustable Slot Rotatable Aperture**

**ELK4220**  
Finishes:  
(W)



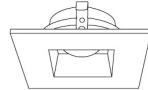
**Adjustable Wall Wash**

**ELK4222**  
Finishes:  
(W)



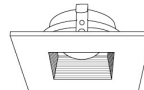
**Adjustable Pinhole**

**ELK4227**  
Finishes:  
(W, BB, BZ, B, C, H)



**Adjustable Reflector**

**ELK4282**  
Finishes:  
(W, BZ)



**Adjustable Baffle**

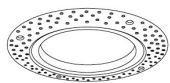
**ELK4284**  
Finishes:  
(W, B, BZ)



**Adj. Phenolic Baffle**

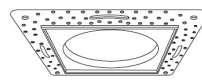
**ELK4293**  
Finishes:  
(W, BB, B)

## 4" Pex™ Flush Mount Trim Adaptors



**Round Flush Mount Trim Adaptor**

**EL4FMR**  
Compatible 3" Pex™ Round trims:  
ELK4116, ELK4118, ELK4127, ELK4129,  
ELK4710, ELK4713, ELK4715 Series



**Square Flush Mount Trim Adaptor**

**EL4FMS**  
Compatible 3" Pex™ Square trims:  
ELK4216, ELK4218, ELK4227,  
ELK4229 Series

## 4" Pex™ Trimless



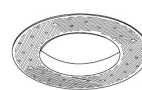
**Round Trimless Reflector**

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



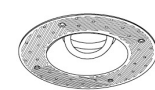
**Round Adj. Trimless Reflector**

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



**Round Trimless Spackle Frame**

**EL4SFR**  
For use with ELK408 & ELK415



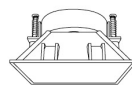
**Smooth Reflector**

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



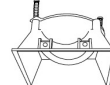
**Baffle**

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



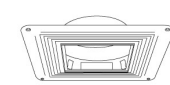
**Square Trimless Reflector**

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



**Square Trimless Adj. Reflector**

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



**Square Trimless Spackle Frame**

**EL4SFS**  
For use with ELK445 & ELK459

Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black w/White Ring, **C** - Chrome w/White Ring, **H** - Haze w/White Ring, **B\*** - All Black (For ELK408, ELK415, ELK434, ELK445, ELK459)

# Compatible Products

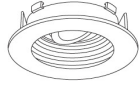
For use with 0-10V Koto™ LED Module

## 4" Flexa™ Twist-On Trims



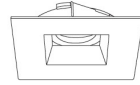
**Round Reflector**

**ELK4721**  
Finishes:  
(WW, BB, BZBZ,  
BW, CW, HW)



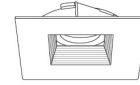
**Round Baffle**

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



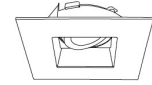
**Square Reflector**

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



**Square Baffle**

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



**Square Adj. Reflector**

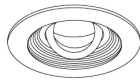
**ELK4759**  
Finishes:  
(WW, BB, B, H)  
*\*Not for Remodel Housing*

## 4" Unique™ Twist-On Trims



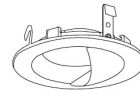
**Round Adjustable Reflector**

**ELK4710**  
Finishes:  
(W, B, BZ)



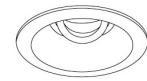
**Round Adjustable Baffle**

**ELK4713**  
Finishes:  
(W, BZ)



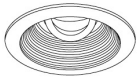
**Round Wall Wash**

**ELK4715**  
Finishes:  
(W, BZ)



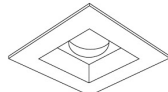
**Round Adj. Deep Reflector**

**ELK4717**  
Finishes:  
(W, BZ)



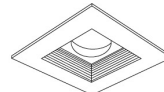
**Round Adj. Deep Baffle**

**ELK4719**  
Finishes:  
(W)



**Square Reflector**

**ELK4714**  
Finishes:  
(W, B, BZ)  
*\*Not for Remodel Housing*



**Square Baffle**

**ELK4716**  
Finishes:  
(W, BZ)  
*\*Not for Remodel Housing*

\*Finishes: **W** - All White, **WW** - All White, **B** - Black Reflector w/White Ring, **C** - Chrome Reflector w/White Ring, **H** - Haze Reflector w/White Ring, **BB** - All Black, **BZ** - All Bronze, **CC** - All Chrome, **BZBZ** - All Bronze, **BW** - Black Reflector w/White Ring, **CW** - Chrome Reflector w/White Ring, **CN** - Chrome Reflector w/Nickel Ring, **HW** - Haze Reflector w/White Ring



# Compatible Products

For use with 0-10V Koto™ LED Module

## 6" Koto™ Dedicated LED ICA Housings



2-Hour Fire Rated 6" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL76FICDXA	7 3/4" Height



6" Standard ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL770ICDXA	7 1/2" Height



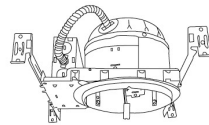
6" Standard ICA Housing  
**Remodel**

CAT NO.	SPECIFICATIONS
EL770RICDXA	7 1/2" Height



2-Hour Shallow Fire Rated 6" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL75FICDXAS	6 3/16" Height



6" Shallow ICA Housing  
**New Construction**

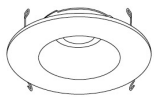
CAT NO.	SPECIFICATIONS
EL760ICDXA	5 1/2" Height



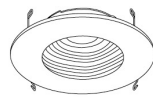
6" Shallow ICA Housing  
**Remodel**

CAT NO.	SPECIFICATIONS
EL760RICDXA	5 1/2" Height

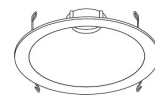
## 5" & 6" Pex™ Twist-On Trims



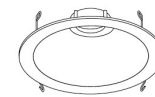
**5" Round Reflector**  
ELK5421  
Finishes:  
(W)



**5" Round Baffle**  
ELK5493  
Finishes:  
(W)



**6" Round Reflector**  
ELK6418  
Finishes:  
(W, BB, BZ, H)



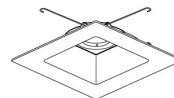
**6" Round Adj. Reflector**  
ELK6429  
Finishes:  
(W, BB, BZ, H)



**6" Round Adj. Slot Aperture**  
ELK6420W  
Finishes:  
(W)



**6" Round Adj. Pinhole Reflector**  
ELK6427  
Finishes:  
(W, B, H)



**6" Square Adj. Reflector**  
ELK6829  
Finishes:  
(W, BB, H)

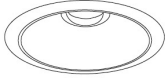
\*Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black Reflector w/White Ring, **C** - Chrome Reflector w/White Ring, **H** - Haze Reflector w/White Ring

# Compatible Products

For use with 0-10V Koto™ LED Module

## 6" Flexa™ Twist-On Trims

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**6" Round Reflector**

**ELK610**

Finishes:

(WW, BB, BZBZ, CC, BW, CW, HW)



**6" Round Adjustable Reflector**

**ELK629**

Finishes:

(WW, BB, BZBZ, BW, CW, HW)



**6" Round Adjustable Baffle**

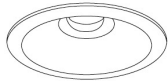
**ELK693**

Finishes:

(WW, BB, BZBZ, BW)

## 6" Unique™ Twist-On Trims

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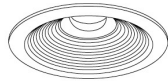


**6" Round Reflector**

**ELK6710**

Finishes:

(W, B, BZ)



**6" Round Baffle**

**ELK6713**

Finishes:

(W, BZ)



**6" Round Wall Wash**

**ELK6715**

Finishes:

(W, BZ)

Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black w/White Ring, **C** - Chrome w/White Ring, **H** - Haze w/White Ring, **B\*** - All Black (For ELK6710, ELK6713, ELK6715)