

# 4" Koto™ Architectural Shallow Maximum Adjustability IC Airtight Housing



Koto™ Architectural Housing: 120/277V (0-10V/Triac/ELV) or 120V (Triac/ELV), and ICALWN (Lutron Athena Wireless Node) with optional Emergency Battery Backup. Must be used with Koto™ Architectural LED Light Engines (ELK19, ELK21, or ELK24 Series). Lumen output based on module.

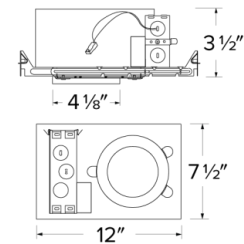
## Features

- IC Airtight for direct contact with insulation.
- Easy-to-Remove driver.
- MAX. 35° adjustability with adjustable trim.
- Integrated collar allows for use with 5/8" thick to 1 1/2" thick ceilings
- Optional 90 minutes, 120/277 VAC, 60Hz, Emergency Backup.
- Flicker-Free Dimming.
- USA designed and assembled.
- Limited 5 year warranty.
- For use with ELCO Koto™ Architectural LED Light Engines (ELK19, ELK21, or ELK24 Series).

## Specifications

<b>Wattage</b>	14.7 (14.7W MAX. with ELK19, ELK21 & ELK24)W - 14.7 MAXW
<b>Lumens</b>	850 (ELK19) - 1100 (ELK21) - 1500 (ELK24) lm
<b>Voltage</b>	120/277V or 120V
<b>Dimmable</b>	Triac/ELV, 0-10V/Triac/ELV (1% Dimming), DALI 2
<b>Lamp Type</b>	LED
<b>Power Factor</b>	≥0.95
<b>Damp Location</b>	Listed

## Dimensions



## Technical Details

**Construction:** Double Wall IC Rated for direct contact with insulation. For use in IC and Non-IC conditions. Up to 1100 lumens. 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 hanger bars can easily be nailed to joists. Suitable for T-grid and drop ceiling applications. See installation sheet for detailed information. Emergency Battery Back-up Option requires access from above. For use with ELCO Koto™ Architectural LED Light Engines (ELK19, ELK21, or ELK24 Series).

**Junction Box:** Positioned to accommodate straight conduit runs. Two 3/4" knockouts, Seven 1/2" trade size conduit knockouts, One 3/8" knockout. Four Pry-out knockout slots for easy romex installation.

**Hanger Bars:** Pre Installed hanger bars with True Nail easy installation in regular lumber, engineered lumber, and Laminated Beams. Integral T-bar slots for easy installation in T-Bars. Spans up 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 easily aligning the housings with the joists.

**Electrical:** Driver is rated for 120V and 277V input (120/277V). High Efficiency driver with a power factor > 0.95.

**Emergency Battery Pack:** Optional 90 minute battery pack available with test indicator switch. Note that double wall housings require Access From Above Ceiling for Battery Maintenance.

**Dimmability:** 3-in-1 Dimming: Triac, ELV and 0-10V dimming in one driver. 0-10V Dimming down to 1% with a compatible dimmer. ICALWN - Lutron Athena Wireless Node. Can be specified with Lutron drivers for 0.1% and 1% dimming. For a full list of dimmers refer to the Dimmer Compatibility List.

**Listings:** cUL Listed for Damp Location and for Wet Location with select trims. cUL Listed for Direct Contact

## Product Numbers

Item	Description	Lamp type	Lumens	Watts	Voltage	Dimming
<b>E4LK98ICA</b>	Shallow Maximum Adjustability Housing	LED	850 (ELK19) - 1100 (ELK21) - 1500 (ELK24) lm	14.7 (14.7W MAX. with ELK19, ELK21 & ELK24)	120V	Triac/ELV
<b>E4LK99ICAD</b>	Shallow Maximum Adjustability Housing	LED	850 (ELK19) - 1100 (ELK21) - 1500 (ELK24) lm	14.7 (14.7W MAX. with ELK19, ELK21 & ELK24)	120/277V	0-10V/Triac/ELV (1% Dimming)
<b>E4LK99ICADAL</b>	Shallow Maximum Adjustability Housing	LED	850 (ELK19) - 1100 (ELK21) - 1500 (ELK24) lm	14.7 (14.7W MAX. with ELK19, ELK21 & ELK24)	120/277V	DALI 2
<b>E4LK98ICA-EM7</b>	Emergency Battery Backup			14.7 MAX	120V	Triac/ELV
<b>E4LK99ICAD-EM7</b>	Emergency Battery Backup			14.7 MAX	120V	0-10V/Triac/ELV (1% Dimming)
<b>E4LK99ICADAL-EM7</b>	Emergency Battery Backup			14.7 MAX	120V	DALI 2

## Product Number Builder

Example: **E4LK98ICA**

Koto™ Architectural Housing

Voltage

Dimming

**E4LK**

**98** 120V (14.7W) <sup>1</sup>

**99** 120/277V (14.7W) <sup>2</sup>

**ICA** Triac/ELV

**ICAD** 0-10V/Triac/ELV <sup>3</sup>

**ICALWN** Lutron Athena Wireless

<sup>1</sup> Available as 120V, Triac/ELV only

<sup>2</sup> Available as 120/277V, 0-10V/Triac/ELV only

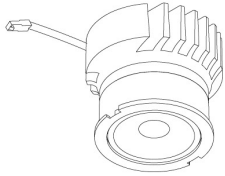
<sup>3</sup> 1% Dimming

# Compatible Products



For use with Dedicated 4" Architectural Maximum Adjustability ICA LED Housings

## Koto™ Architectural LED Light Engine



**Koto™ LED Light Engine**  
ELK19, ELK21 & ELK24

PRODUCT NUMBER BUILDER			
Koto™ LED Light Engine	Lumens	Color Temperature	Beam Angle
ELK			
19	750 - 850 lm*	27D 2700K	(blank) 38° lens (Standard)
21	1100 - 1500 lm*	30D 3000K	-S 18° lens
24	1100 - 1800 lm*	35D 3500K	-N 25° lens
		40D 4000K	-W 60° lens
		SD Sunset Dimming (ELK19 Only)	-FC 18° - 50° Adjustable (ELK21 Only)

\*Wattage based on housing.

### ACCESSORIES



#### Lens

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

\*EP732C, EP733C, EP734C Included

#### Snoot

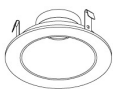
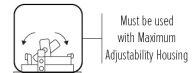
- L50W** White
- L50B** Black



#### Secondary Optics

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

## 4" Pex™ Twist-On Trims



**Reflector**

**ELK4118**

Finishes:

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



**Adjustable Gimbal**

**ELK4129**

Finishes:

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

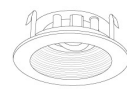


**Adjustable Pinhole**

**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)



**Adjustable Spot**

**ELK4188**

Finishes:

(W, B, BZ)

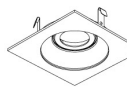


**Reflector**

**ELK4218**

Finishes:

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



**Adjustable Gimbal**

**ELK4229**

Finishes:

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

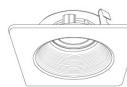


**Adjustable Pinhole**

**ELK4227**

Finishes:

(B, BB, BZ)

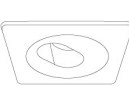


**Adjustable Phenolic Baffle**

**ELK4293**

Finishes:

(W, BB, B)

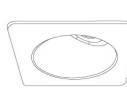


**Adj. Slot Rotatable Aperture**

**ELK4220**

Finishes:

(W)

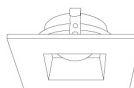


**Adjustable Wall Wash**

**ELK4222**

Finishes:

(W)

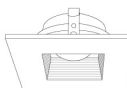


**Adjustable Reflector**

**ELK4282**

Finishes:

(W)



**Adjustable Baffle**

**ELK4284**

Finishes:

(W)

# Compatible Products



For use with Dedicated 4" Architectural Maximum Adjustability ICA LED Housings

## 4" Pex™ Adjustable Trimless



Round Spackle Frame

**EL4SFR**



Round Adjustable Trimless Reflector

**ELK415**

Finishes:  
(W, B, BZ, H)



Round Fixed Trimless Reflector

**ELK408**

Finishes:  
(W, B, BZ, H)



Square Spackle Frame

**EL4SFS**



Square Adjustable Trimless Reflector

**ELK459**

Finishes:  
(W, B, H)



Square Trimless Reflector

**ELK445**

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" Flexa™ Twist-On Trims



Round Reflector

**ELK4721**

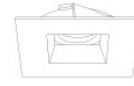
Finishes:  
(WW, BB, BZBZ, BW, CC, CW,  
HW, CN)



Round Baffle

**ELK4723**

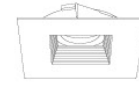
Finishes:  
(WW, BB, BZBZ, BW)



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 Sq. Reflector

**ELK4759**

Finishes:  
(WW, BB, B, 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 Dedicated 4" Architectural Maximum Adjustability ICA LED Housings

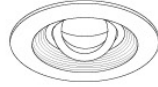
## 4" Unique™ Twist-On Trims

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**Adj. Round Reflector**

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



**Adj. Round Baffle**

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



**Round Wall Wash**

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

\*Finishes: **W** - All White, **B** - All Black, **BZ** - All Bronze