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 ⅝" thick to 1 ½" 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).
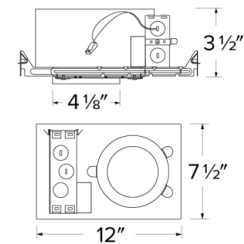
Technical Details

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 with Insulation and Combustible Material. cUL Listed for Feed Through.

Specifications

Wattage	14.7 MAXW
Voltage	120V
Dimmable	DALI 2
Power Factor	≥0.95
Damp Location	Listed

Dimensions

3 ½"

4 ⅛"

7 ½"

12"

Product Number

Item	Description	Watts	Voltage	Dimming
E4LK99ICADAL-EM7	Emergency Battery Backup	14.7 MAX	120V	DALI 2

Product Number Builder   Example: **E4LK98ICA**

Koto™ Architectural Housing	Voltage	Dimming
E4LK		

Voltage

98 120V (14.7W) [1]

99 120/277V (14.7W) [2]

Dimming

ICA   Triac/ELV

ICAD   0-10V/Triac/ELV [3]

ICALWN   Lutron Athena Wireless

[1] Available as 120V, Triac/ELV only

[2] Available as 120/277V, 0-10V/Triac/ELV only

[3] 1% Dimming

Compatible Products

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

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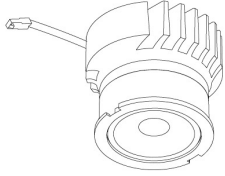
Koto™ LED Light Engine
ELK19, ELK21 & ELK24

PRODUCT NUMBER BUILDER

Koto™ LED Light Engine	Lumens	Color Temperature	Beam Angle
ELK			
	19 750 - 850 lm¹	**27D** 2700K	**(blank)** 38° lens (Standard)
	21 1100 - 1500 lm¹	**30D** 3000K	**-S** 18° lens
	24 1100 - 1800 lm¹	**35D** 3500K	**-N** 25° lens
		40D 4000K	**-W** 60° lens
		SD Sunset Dimming (ELK19 Only)	**-FC** 18° - 50° Adjustable (ELK21 Only)

¹Wattage 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

Must be used with Maximum Adjustability Housing
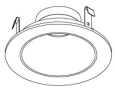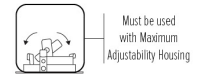
Reflector
ELK4118
Finishes:
(W, BB, BZ, B, C, H)

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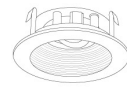Finishes:
(W, BB, BZ, B, C, H)

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)

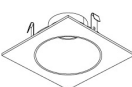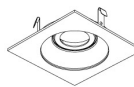**Adj. Wall Wash**
ELK4122
Finishes:
(W)

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

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

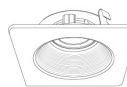**Adjustable Gimbal**
ELK4229
Finishes:
(W, BB, BZ, B, C, H)

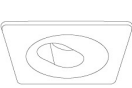**Adjustable Pinhole**
ELK4227
Finishes:
(B, BB, BZ)

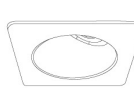**Adjustable Phenolic Baffle**
ELK4293
Finishes:
(W, BB, B)

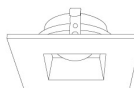**Adj. Slot Rotatable Aperture**
ELK4220
Finishes:
(W)

Adjustable Wall Wash
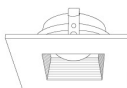ELK4222
Finishes:
(W)

Adjustable Reflector
ELK4282
Finishes:
(W)

Adjustable Baffle
ELK4284
Finishes:
(W)

Compatible Products

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

ELCO Lighting

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*

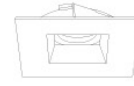## 4" Flexa™ Twist-On Trims

Round Reflector
ELK4721
Finishes:
(WW, BB, BZBZ, BW, CC, CW, HW, CN)
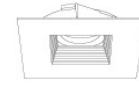
Round Baffle
ELK4723
Finishes:
(WW, BB, BZBZ, BW)

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,
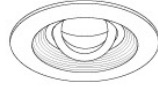**H** - Haze Reflector w/White Ring

Compatible Products

ELCO Lighting

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

4" Unique™ Twist-On Trims

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