

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 or ELK21 Series). Lumen output based on module.

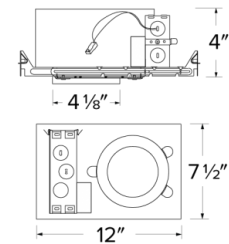
Features

- IC Airtight for direct contact with insulation.
- Easy-to-Remove driver.
- 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 or ELK21 Series).

Specifications

Wattage	14.7W - 14.7 MAXW
Lumens	850 (ELK19) - 1100 (ELK21) lm
Voltage	120/277V or 120V
Dimmable	Triac/ELV, 0-10V/Triac/ELV, DALI 2
Lamp Type	LED
Power Factor	≥0.95
Damp Location	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 or ELK21 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 5% 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: UL Listed for Damp Location and for Wet Location with select trims. UL Listed for Direct Contact with Insulation and Combustible Material. UL Listed for Feed Through.

Product Numbers

Item	Description	Lamp type	Lumens	Watts	Voltage	Dimming
E4LK981CA	Shallow Maximum Adjustability Housing	LED	850 (ELK19) - 1100 (ELK21) lm	14.7W	120V	Triac/ELV
E4LK991CAD	Shallow Maximum Adjustability Housing	LED	850 (ELK19) - 1100 (ELK21) lm	14.7W	120/277V	0-10V/Triac/ELV
E4LK991CADAL	Shallow Maximum Adjustability Housing	LED	850 (ELK19) - 1100 (ELK21) lm	14.7W	120/277V	DALI 2
E4LK981CA-EM7	Emergency Battery Backup			14.7 MAX	120V	Triac/ELV
E4LK991CAD-EM7	Emergency Battery Backup			14.7 MAX	120/277V	0-10V/Triac/ELV
E4LK991CADAL-EM7	Emergency Battery Backup			14.7 MAX	120/277V	DALI 2

Product Number Builder

Example: **E4LK98ICA**

Koto™ Architectural Housing

Voltage

Dimming

E4LK

98 120V ¹

99 120/277V ²

ICA Triac/ELV

ICAD 0-10V/Triac/ELV

ICALWN Lutron Athena Wireless

¹ Available as 120V, Triac/ELV only

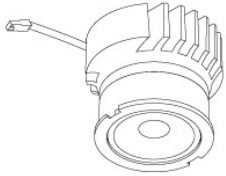
² Available as 120/277V, 0-10V/Triac/ELV only

Compatible Products



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

Koto™ Architectural LED Light Engine



Koto™ LED Light Engine
ELK19 - ELK21

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
		35D 3500K	-N 25° lens
		40D 4000K	-W 60° lens
		SD Sunset Dimming (ELK19 Only)	-FC 18° - 50° Adjustable (ELK21 Only)

ACCESSORIES	
Lens	Snoot
EP731C 18° Lens	L50W White
EP732C 25° Lens	L50B Black
EP733C 38° Lens	
EP734C 60° Lens	
<small>*EP732C, EP733C, EP734C Included</small>	
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

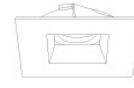
Finishes:
(WW, BB, BZBZ, BW, CC, CW,
HW, CN)



Round Baffle

ELK4723

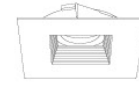
Finishes:
(WW, BB, BZBZ, BW)



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

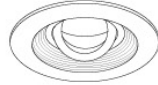
For use with Dedicated 4" Architectural Maximum Adjustability ICA LED Housings

4" Unique™ Twist-On Trims



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