

4" Koto™ Architectural Maximum Adjustability High Lumen IC Airtight Housing



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

Features

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

Specifications

| | |
|----------------------|---|
| Wattage | 15.7W - 18.9W |
| Lumens | 21 lm - 1950 lm |
| Voltage | 120/277V or 120V |
| Dimmable | Triac/ELV, 0-10V/Triac/ELV (1% Dimming), DALI 2 |
| Lamp Type | LED |
| Power Factor | ≥0.95 |
| Damp Location | Listed |

Technical Details

Construction: Double Wall IC Rated for direct contact with insulation. For use in IC and Non-IC conditions. Up to 1500 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 (ELK21 and 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.

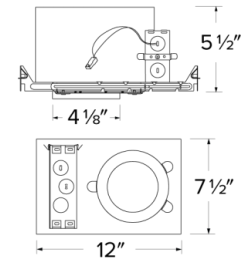
Delivered Lumens: 2700K:1360 lm, 3000K:1430 lm, 3500K: 1510 lm, 4000K: 1690 lm

Electrical: Driver is rated for 120V and 277V input (120/277V). High Efficiency driver with a power factor > 0.95. Access from above required for EM option.

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.



Product Numbers

| Item | Description | Lamp type | Lumens | Watts | Voltage | Dimming |
|--------------|--|-----------|--------------------------------|-------|----------|------------------------------|
| E4LK471CA | 4" Koto Architectural Housing | LED | 1250 lm | 15.7W | 120V | Triac/ELV |
| E4LK481CAD | 4" Koto Architectural Housing | LED | 1250 lm | 15.7W | 120/277V | 0-10V/Triac/ELV (1% Dimming) |
| E4LK481CADAL | 4" Koto Architectural Housing | LED | 1450 (ELK21) - 1750 (ELK24) lm | 15.7W | 120/277V | DALI 2 |
| E4LK781CA | 4" Koto Architectural High Lumen Housing | LED | 1500 lm | 18.9W | 120V | Triac/ELV |
| E4LK791CAD | 4" Koto Architectural High Lumen Housing | LED | 1500 lm | 18.9W | 120/277V | 0-10V/Triac/ELV (1% Dimming) |
| E4LK791CADAL | 4" Koto Architectural High Lumen Housing | LED | 1650 (ELK21) - 1950 (ELK24) lm | 18.9W | 120/277V | DALI 2 |

Product Number Builder

Example: **E4LK47ICA**

Koto™ Architectural Housing

Voltage

Dimming

E4LK

47 120V (15.7W) ¹

48 120/277V (15.7W) ²

78 120V (18.9W) ¹

79 120/277V (18.9W) ²

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

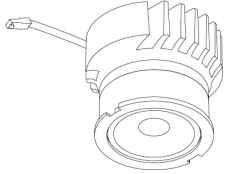
³ 1% Dimming

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 | | | |
| 21 | 1100 - 1500 lm* | 27D 2700K | (blank) 38° lens (Standard) |
| 24 | 1100 - 1800 lm* | 30D 3000K | -S 18° lens |
| | | 35D 3500K | -N 25° lens |
| | | 40D 4000K | -W 60° lens |
| | | | -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

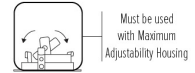
- L50W** White
- L50B** Black



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)

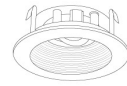


Adjustable Pinhole

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)

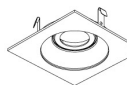


Reflector

ELK4218

Finishes:

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

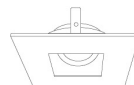


Adjustable Gimbal

ELK4229

Finishes:

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

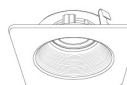


Adjustable Pinhole

ELK4227

Finishes:

(B, BB, BZ)

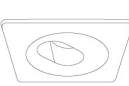


Adjustable Phenolic Baffle

ELK4293

Finishes:

(W, BB, B)

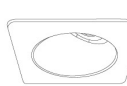


Adj. Slot Rotatable Aperture

ELK4220

Finishes:

(W)

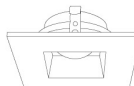


Adjustable Wall Wash

ELK4222

Finishes:

(W)

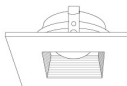


Adjustable Reflector

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



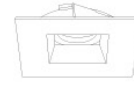
Round Reflector

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



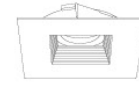
Round Baffle

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

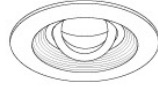
For use with Dedicated 4" Architectural Maximum Adjustability ICA LED Housings

4" Unique™ Twist-On Trims



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