ELCO Lighting

Project name:

Fixture type:

Date:

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.

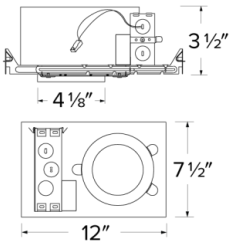
Features

- 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).

Specifications

Wattage	14.7 (14.7W MAX. with ELK19, ELK21 & ELK24)W - 14.7 MAXW
Lumens	850 (ELK19) - 1100 (ELK21) - 1500 (ELK24) 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

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
E4LK98ICA	Shallow Maximum Adjustability Housing	LED	850 (ELK19) - 1100 (ELK21) - 1500 (ELK24) lm	14.7 (14.7W MAX. with ELK19, ELK21 & ELK24)	120V	Triac/ELV
E4LK99ICAD	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)
E4LK99ICADAL	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
E4LK98ICA-EM7	Emergency Battery Backup			14.7 MAX	120V	Triac/ELV
E4LK99ICAD-EM7	Emergency Battery Backup			14.7 MAX	120V	0-10V/Triac/ELV (1% Dimming)
E4LK99ICADAL-EM7	Emergency Battery Backup			14.7 MAX	120V	DALI 2

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

Product Number Builder

Example: **E4LK98ICA**

Koto™ Architectural Housing	Voltage	Dimming
E4LK		
	98 120V (14.7W) [1]	**ICA** Triac/ELV
	99 120/277V (14.7W) [2]	**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

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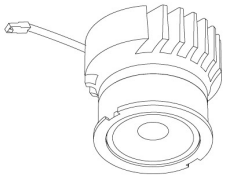
Compatible Products

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[1]	**27D** 2700K	**(blank)** 38° lens (Standard)
	21 1100 - 1500 lm[1]	**30D** 3000K	**-S** 18° lens
	24 1100 - 1800 lm[1]	**35D** 3500K	**-N** 25° lens
		40D 4000K	**-W** 60° lens
		SD Sunset Dimming (ELK19 Only)	**-FC** 18° - 50° Adjustable (ELK21 Only)

[1]Wattage based on housing.

ACCESSORIES

Lens

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

**EP732C, EP733C, EP734C Included*

Snoot

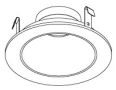
L50W White
L50B Black

Secondary Optics

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

4" Pex™ Twist-On Trims

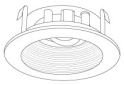
Must be used with Maximum Adjustability Housing



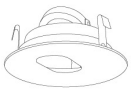
Reflector
ELK4118
Finishes:
(W, BB, BZ, B, C, H)

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)

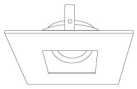
Rotatable Slot Aperture
ELK4120
Finishes:
(W)

Adj. Wall Wash
ELK4122
Finishes:
(W)

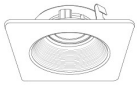
Adjustable Spot
ELK4188
Finishes:
(W, B, BZ)

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

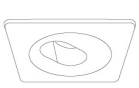
Adjustable Gimbal
ELK4229
Finishes:
(W, BB, BZ, B, C, H)



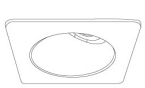
Adjustable Pinhole
ELK4227
Finishes:
(B, BB, BZ)



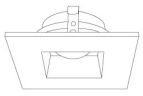
Adjustable Phenolic Baffle
ELK4293
Finishes:
(W, BB, B)



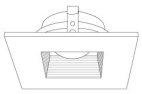
Adj. Slot Rotatable Aperture
ELK4220
Finishes:
(W)



Adjustable Wall Wash
ELK4222
Finishes:
(W)



Adjustable Reflector
ELK4282
Finishes:
(W)



Adjustable Baffle
ELK4284
Finishes:
(W)

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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

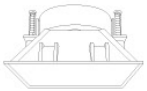
EL4SFS

Square Adjustable Trimless Reflector

ELK459

Finishes:

(W, B, H)



Square Trimless Reflector

ELK445

Finishes:

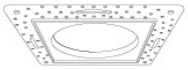
(W, B, H)

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:

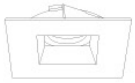
(WW, BB, BZBZ, BW, CC, CW, HW, CN)

Round Baffle

ELK4723

Finishes:

(WW, BB, BZBZ, BW)



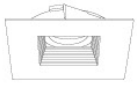
Square Reflector

ELK4741

Finishes:

(WW, BB, BZBZ, BW, HW)

**Not for Remodel Housing*



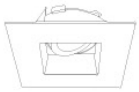
Square Baffle

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

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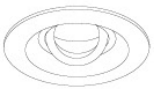
Compatible Products

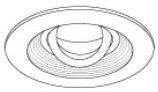
For use with Dedicated **4" Architectural Maximum Adjustability ICA LED Housings**

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

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