ELCO Lighting

Project name:

Fixture type:

Date:

4" IC Airtight New Construction Housing for Architectural Koto™ LED Engine

Features

- IC Airtight for direct contact with insulation.
- Koto™ Architectural Housing: 120/277V 0-10V/Triac/ELV or 120V Triac/ELV with optional Emergency Battery Backup.
- Must be used with Architectural Koto™ LED Light Engines (ELK19, ELK21, or ELK24 Series).
- Lumen output based on module

Specifications

Wattage	11.8W (12.6W MAX. with ELK19, ELK21 & ELK24)W
Lumens	750 (ELK19) - 950 (ELK21) - 1100 (ELK24) lm
Voltage	120/277V
Dimmable	0-10V/Triac/ELV (1% Dimming)

Technical Details

Lamp: Designed for use with ELCO Architectural Koto™ LED Light Engines (ELK19, ELK21, or ELK24 Series)

Construction: Single Wall IC Rated for direct contact with insulation, for use in IC or non-IC conditions. 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 joists are used. High strength hanger bars can easilty be nailed to joists. Maximum hole cutout is 4 1/4". Suitable for t-grid and drop ceiling applications. See installation sheet for detailed information.

Junction Box: Positioned to accommodate straight conduit runs. Seven 1/2" trade size conduit knockouts, four 3/4" knockouts. Pry-out knockout slots. 4 Romex pryouts with strain relief.

Hanger Bars: Pre-installed hanger bars with True Nail facilitate easy installation in regular lumber, engineered lumber, and laminated beams. Integral T-bar slots for easy installation in T-bars. Spans up to 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 aligning the housings with the joists.

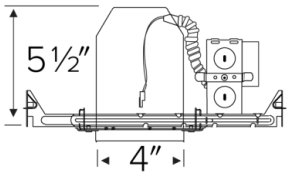
Electrical: Input Voltage: 120V or 120/277V. High efficiency driver with power factor > 0.9

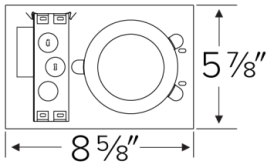
Dimmability: Triac/ELV or Triac/ELV/0-10V (1% dimming)

Listings: cUL Listed for Damp Location. cUL Listed for Wet Location with select trims. cUL Listed for Feed Through. cUL Listed for Direct Contact with Insulation. Airtight per ASTM E-283. Install a JA8-2016-E lamp/luminaire for Title 24 Compliance.

Warranty: ELCO Lighting warrants products will be free from defects in materials and workmanship for a period of 5 years.

Dimensions





Product Number

Item	Description	Lumens	Watts	Voltage	Dimming
E4LK88ICAD-EM1	with 90 min. Emergency Battery Back-Up	750 (ELK19) - 950 (ELK21) - 1100 (ELK24) lm	11.8W (12.6W MAX. with ELK19, ELK21 & ELK24)	120/277V	0-10V/Triac/ELV (1% Dimming)

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Product Number Builder Example: **E4LK87ICA**

4" Koto™ Standard ICA Housing	Voltage	Dimming
E4LK		
	87 120V (11.8W) [1]	**ICA** Triac/ELV
	88 120/277V (11.8W) [2]	**ICAD** 0-10V/Triac/ELV [3]

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

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

[3] 1% Dimming

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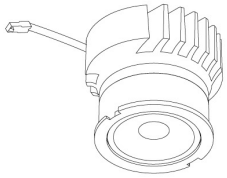
Compatible Products

For use with Dedicated **4" Architectural 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[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

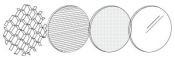
Lens

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

**EP732C, EP733C, EP734C Included*

Snoot

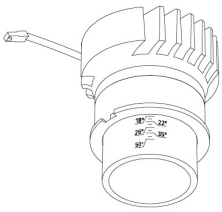
L50W White
L50B Black



Secondary Optics

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

Koto™ FOCUS Architectural LED Light Engine



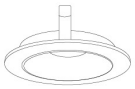
Koto™ FOCUS
LED Light Engine

PRODUCT NUMBER BUILDER

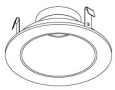
Koto™ FOCUS LED Light Engine	Lumens	Color Temperature	Beam Angle
ELK			
	21 1100 - 1500 lm	**27D** 2700K	**-FC** 18° - 50° Adjustable Focus
		30D 3000K	
		35D 3500K	
		40D 4000K	

[1]Wattage based on housing.

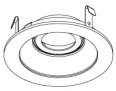
4" Pex™ Twist-On Trims



Shallow Reflector
ELK4116
Finishes:
(W, H)

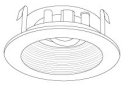


Reflector
ELK4118
Finishes:
(W, BB, BZ, B, C, H)



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

Adjustable Pinhole
ELK4127
Finishes:
(W, B, BB, BZ, N, CP)



Adjustable Baffle
ELK4193
Finishes:
(W, BB, B)

Rotatable Slot Aperture
ELK4120
Finishes:
(W)

Slot Aperture
ELK4130
Finishes:
(W)

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

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Compatible Products

For use with Dedicated **4″ Architectural ICA LED Housings & ALO™ Box**

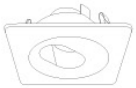
4″ Pex™ Twist-On Trims

Shallow Reflector
ELK4216
Finishes:
(W, H)

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

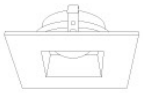
Adjustable Gimbal
ELK4229
Finishes:
(W, BB, BZ, B, C, H)

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

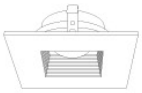


Adjustable Slot Rotatable
ELK4220
Finishes:
(W)

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



Adjustable Reflector
ELK4282
Finishes:
(W, BZ)



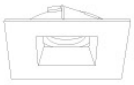
Adjustable Baffle
ELK4284
Finishes:
(W, B, BZ)

*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

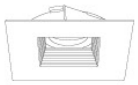
4″ Flexa™ Twist-On Trims

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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