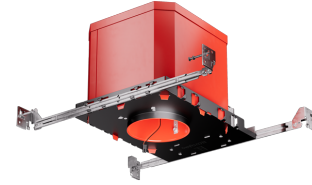


# 4" IC Airtight New Construction 2-Hour Fire Rated Housing for Koto™ LED Engine



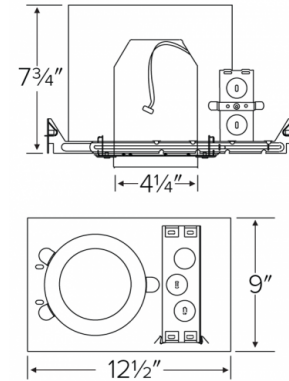
## Features

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

## Specifications

<b>Wattage</b>	11.8W
<b>Lumens</b>	750 (ELK19) - 950 (ELK21) - 1100 (ELK24) lm
<b>Voltage</b>	120/277V or 120V
<b>Dimmable</b>	Triac/ELV, 0-10V/Triac/ELV

## Dimensions



## Technical Details

### Construction:

- Double Wall IC Rated for direct contact with insulation. For use in IC and 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 2x8 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.

**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:** High Efficiency driver with a power factor > 0.9.

**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.

**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	Lumens	Watts	Voltage	Dimming
<b>ELK93FICA</b>	2-Hour Fire Rated New Construction	750 (ELK19)	11.8W	120V	Triac/ELV
		- 950 (ELK21)			
		- 1100 (ELK24) lm			
<b>ELK94FICAD</b>	2-Hour Fire Rated New Construction	750 (ELK19)	11.8W	120/277V	0-10V/Triac/ELV
		- 950 (ELK21)			
		- 1100 (ELK24) lm			

## Product Number Builder Example: ELK93FICA

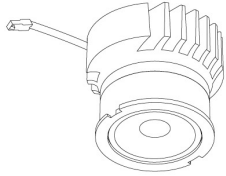
4" Koto™ 2-Hour Fire Rated ICA Housing	Voltage	Dimming
<b>ELK</b>	93 120V 94 120/277V	<b>FICA</b> Triac/ELV <b>FICAD</b> 0-10V/Triac/ELV

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

<sup>1</sup>Wattage based on housing.

### ACCESSORIES



#### Lens

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

<sup>\*</sup>EP732C, EP733C, EP734C Included



#### Snoot

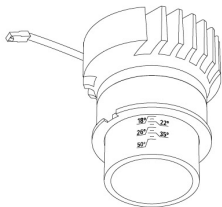
L50W	White
L50B	Black



#### 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	

<sup>1</sup>Wattage based on housing.

## 4" Pex™ Twist-On Trims



**Shallow Reflector**

ELK4116  
Finishes:  
(W, H)



**Reflector**

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



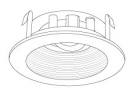
**Adjustable Gimbal**

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)

# Compatible Products



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

## 4" Pex™ Twist-On Trims



**Shallow Reflector**

**ELK4216**  
Finishes:  
(W, H)



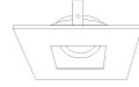
**Reflector**

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



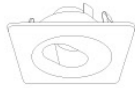
**Adjustable Gimbal**

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



**Adjustable Pinhole**

**ELK4227**  
Finishes:  
(W, B, BB, BZ, N)



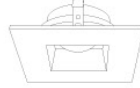
**Adjustable Slot Rotatable**

**ELK4220**  
Finishes:  
(W)



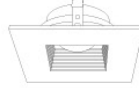
**Adjustable Phenolic Baffle**

**ELK4293**  
Finishes:  
(W, BB, B)



**Adjustable Reflector**

**ELK4282**  
Finishes:  
(W, BZ)



**Adjustable Baffle**

**ELK4284**  
Finishes:  
(W, B, BZ)

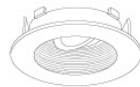
\*Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black Reflector w/White Ring, **C** - Chrome Reflector w/White Ring, **H** - Haze Reflector w/White Ring

## 4" Flexa™ Twist-On Trims



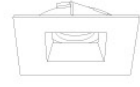
**Round Reflector**

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



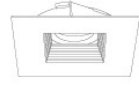
**Round Baffle**

**ELK4723**  
Finishes:  
(WW, BB, BZBZ, BW)



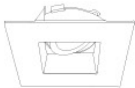
**Square Reflector**

**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