

# Koto™ Architectural LED Light Engine

Works with 2", 3" & 4" Koto™ Architectural Recessed Housings and Koto™ Trims



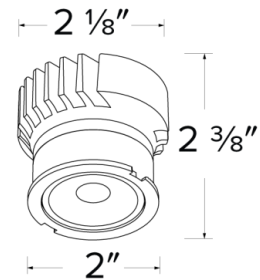
## Features

- Light engine used with Koto™ Architectural Housings
- See Koto™ Architectural housings for lumen output options. Final lumen output is determined by housing.
- Driver on housing extends lifespan and allows for more dimming and EM options
- Standard 38° Lens installed, 25° and 60° lens included with each module - Optional Lens: 18° (EP731C)
- Optional: Louver (L45), Linear Lens (L46), Spread Lens (L47), Clear Lens (L48), Frosted Lens (L49), Snoot (L50), Color Shifter (L51)
- Works in 2", 3" & 4" ELCO housings with Koto™ twist-&-lock trims
- Excellent color rendering 95+ CRI
- Sunset option dims from 3000K to 1800K
- ENERGY STAR Certified
- Title 24 JA8-2019 Compliant
- Life span of 50,000 hours L70
- Covered by U.S. PATENTS and Patents Pending

## Specifications

<b>Lumens</b>	1000 MAX. lm - 970 MAX. lm
<b>Color Temp.</b>	2700K - Sunset K
<b>Lamp Type</b>	LED
<b>Beam Angle</b>	38°
<b>CRI</b>	95
<b>Wet Location</b>	UL Listed w/Wet Location Trims
<b>Damp Location</b>	UL Listed

## Dimensions



## Technical Details

**Optics:** PC lens diffuses light evenly throughout while reducing glare with LED COB technology.

**Construction:** Diecast aluminum body with heat fins allow for efficient cooling.

**Compatible Housings:** Koto™ Module is compatible with Architectural Housings: 120/277V 0-10V/Triac/ELV or 120V Triac/ELV with optional Emergency Battery Backup.

• E3LK65ICA, E3LK66ICAD, E3LK65RICA, ELK72FICA, ELK73FICAD (10W, 250mA)  
 ELK19 Delivered Lumens: 2700K: 750 lm, 3000K: 770 lm, 3500K: 790 lm, 4000K: 810 lm, Sunset: 750 lm  
 ELK21 Delivered Lumens: 2700K: 890 lm, 3000K: 930 lm, 3500K: 990 lm, 4000K: 1020 lm

• E3LK76ICA, E3LK77ICAD, E4LK98ICA, E4LK99ICAD (15W, 350mA)  
 ELK19 Delivered Lumens: 2700K: 970 lm, 3000K: 1000 lm, 3500K: 1030 lm, 4000K: 1050 lm, Sunset: 940 lm  
 ELK21 Delivered Lumens: 2700K:1140 lm, 3000K:1200 lm, 3500K: 1270 lm, 4000K: 1390 lm

• E3LK53ICA, E3LK54ICAD, E4LK47ICA, E4LK48ICAD (17W, 400mA)  
 ELK21 Delivered Lumens: 2700K:1220 lm, 3000K:1290 lm, 3500K: 1360 lm, 4000K: 1400 lm

• E3LK85ICAD, E4LK79ICAD (19W, 450mA)  
 ELK21 Delivered Lumens: 2700K:1360 lm, 3000K:1430 lm, 3500K: 1510 lm, 4000K: 1690 lm

**Installation:** Twist-lock design for toolless trim installation, for use with Koto™ trims only. Can be use in 2", 3" & 4" Architectural Koto™ Housings only.

**LED Technology:** Extremely accurate Color Rendering Index (CRI) of 95+. Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results. Superior Thermal Management by utilizing integrated heat

## Product Numbers

Item	Lamp type	Lumens	CCT	Beam Angle
ELK1927D	LED	970 MAX. lm	2700K	38°
ELK2127D	LED	1360 MAX. lm	2700K	38°
ELK1930D	LED	1000 MAX. lm	3000K	38°
ELK2130D	LED	1430 MAX. lm	3000K	38°
ELK1935D	LED	1030 MAX. lm	3500K	38°
ELK2135D	LED	1510 MAX. lm	3500K	38°
ELK1940D	LED	1050 MAX. lm	4000K	38°
ELK2140D	LED	1690 MAX. lm	4000K	38°
ELK19SD	LED	940 MAX. lm	Sunset K	38°

sink. Instant On to Full Brightness. No LED pixilation.

**Sunset:** Sunset color temperature is our dim-to-warm LED technology that allows the color temperature to become warmer as the product is dimmed. Our SUNSET items start at 3000K and go as low as 1800K when dimmed. For Sunset dim technology be sure to order an item with "Sunset" in the Color Temperature (CCT) attribute.

**Dimmability:** Based on housing used. See Koto™ Architectural Housings for options.

**Listings:** UL Listed for Damp Locations. UL Listed for Wet Location with Wet location trims. RoHS Compliant. ENERGY STAR® Certified. California Title 24 JA8-2019.

**Warranty:** ELCO Products are built to last with a 5-year Limited Warranty.

## Product Number Builder Example: ELK1927D

Koto™ Architectural LED Module	Lumens	Color Temp.	Beam Angle
<b>ELK</b>			
	<b>19</b> Up to 1050 lm <sup>1</sup>	<b>27D</b> 2700K	38° <sup>4</sup>
	<b>21</b> Up tp 1690 lm <sup>1</sup>	<b>30D</b> 3000K	<b>-S</b> 18°
		<b>35D</b> 3500K	<b>-N</b> 25°
		<b>40D</b> 4000K	<b>-W</b> 60°
		<b>SD</b> Sunset (ELK19 Only) <sup>2,3</sup>	

<sup>1</sup> Lumen output varies based on the architectural Koto housing used

<sup>2</sup> Available with ELK19 module only

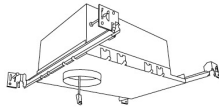
<sup>3</sup> Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

<sup>4</sup> 38° lens installed. Includes 25° and 60° lens with module.

# Compatible Products

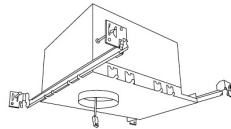
For use with **Koto™** Architectural LED Light Engine

## 2" Koto™ Architectural Recessed Housings



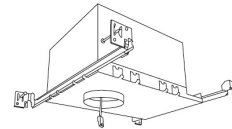
2" Shallow Maximum Adjustability ICA Housing  
 1000 lm (14.7W) w/ELK19 Series Module  
 1200 lm (14.7W) w/ELK21 Series Module  
**Shallow New Construction**

CAT NO.	SPECIFICATIONS
E2LK34ICA	120V - Triac/ELV
E2LK35ICAD	120/277V - 0-10V/Triac/ELV



2" Maximum Adjustability ICA Housing  
 1350 lm (15.7W) w/ELK21 Series Module  
*Not for use with ELK19 Series Module*  
**New Construction**

CAT NO.	SPECIFICATIONS
E2LK41ICA	120V - Triac/ELV
E2LK42ICAD	120/27V - 0-10V/Triac/ELV



2" Maximum Adjustability ICA Housing  
 1500 lm (18.9W) w/ELK21 Series Module  
*Not for use with ELK19 Series Module*  
**High Lumen New Construction**

CAT NO.	SPECIFICATIONS
E2LK94ICA	120V - Triac/ELV
E2LK42ICAD	120/27V - 0-10V/Triac/ELV

## 2" Pex™ Twist-On Trims



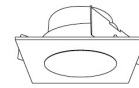
**Round Deep Reflector**  
**ELK2818**  
 Finishes:  
 (W, B, H, BB, BZ)



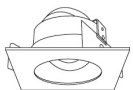
**Round Adjustable Reflector**  
**ELK2829**  
 Finishes:  
 (W, B, H, BB, BZ)



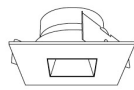
**Round Adjustable Pinhole**  
**ELK2827**  
 Finishes:  
 (W, B, BB, BZ)



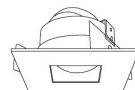
**Square Deep Reflector**  
**ELK2518**  
 Finishes:  
 (W, B, BB)



**Square Adjustable Reflector**  
**ELK2529**  
 Finishes:  
 (W, B, BB)



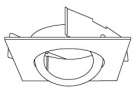
**Square Reflector**  
**ELK2541**  
 Finishes:  
 (W, B, BB)



**Square Adjustable Pinhole**  
**ELK2527**  
 Finishes:  
 (W, B, BB)



**Round Gimbal**  
**ELK2888**  
 Finishes:  
 (W, B, BZ)



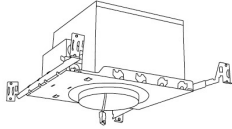
**Square Gimbal**  
**ELK2588**  
 Finishes:  
 (W, BZ)

# Compatible Products

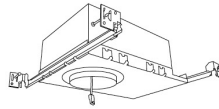


For use with **Koto™** Architectural LED Light Engine

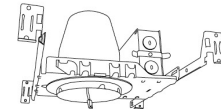
## 3" Koto™ Architectural Recessed Housings



3" High Lumen Maximum Adjustability ICA Housing  
1500 lm (18.9W) w/ELK21 Series Module  
Not for use with ELK19 Series Module  
**New Construction**



3" Shallow Maximum Adjustability ICA Housing  
850 lm (14.7W) w/ELK19 Series Module  
1100 lm (14.7W) w/ELK21 Series Module  
**New Construction**



3" Standard ICA Housing  
750 lm (10.5W) w/ELK19 Series Module  
950 lm (10.5W) w/ELK21 Series Module  
**New Construction**

CAT NO.	SPECIFICATIONS
E3LK53ICA	1250 lm - 120V - Triac/ELV
E3LK54ICAD	1250 lm - 120/277V - 0-10V/Triac/ELV
E3LK84ICA	1500 lm - 120V - Triac/ELV
E3LK85ICAD	1500 lm - 120/277V - 0-10V/Triac/ELV

CAT NO.	SPECIFICATIONS
E3LK76ICA	120V - Triac/ELV
E3LK77ICAD	120/277V - 0-10V/Triac/ELV

CAT NO.	SPECIFICATIONS
E3LK65ICA	120V - Triac/ELV
E3LK65ICA-EM1	Emergency Battery Back-Up
E3LK66ICAD	120/277V - 0-10V/Triac/ELV
E3LK66ICAD-EM1	Emergency Battery Back-Up



3" Standard ICA Housing  
800 lm (10.5W) w/ELK19 Series Module  
1000 lm (10.5W) w/ELK21 Series Module  
**Remodel**



2-Hour Fire Rated 3" ICA Housing  
750 lm (10.5W) w/ELK19 Series Module  
950 lm (10.5W) w/ELK21 Series Module  
**New Construction**

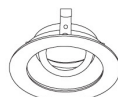
CAT NO.	SPECIFICATIONS
E3LK65RICA	120V - Triac/ELV
E3LK66RICAD	120/277V - 0-10V/Triac/ELV

CAT NO.	SPECIFICATIONS
ELK72FICA	120V - Triac/ELV
ELK73FICAD	120/277V - 0-10V/Triac/ELV

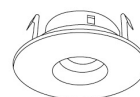
## 3" Pex™ Twist-On Trims



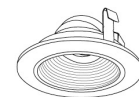
**Round Deep Reflector**  
**ELK3618**  
Finishes:  
(W, BB, BZ, B, C, H)



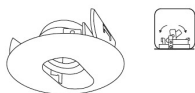
**Round Adjustable Gimbal**  
**ELK3629**  
Finishes:  
(W, BB, BZ, B, C, H)



**Round Adjustable Pinhole**  
**ELK3627**  
Finishes:  
(B, BB, BZ)



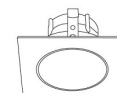
**Round Adjustable Baffle**  
**ELK3693**  
Finishes:  
(W)



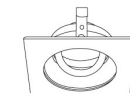
**Round Adj. Slot Aperture**  
**ELK3620**  
Finishes:  
(W)



**Round Adj. Wall Wash**  
**ELK3622**  
Finishes:  
(W)



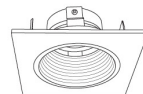
**Square Deep Reflector**  
**ELK3318**  
Finishes:  
(W, BB, BZ, B, C, H)



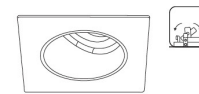
**Square Adjustable Gimbal**  
**ELK3329**  
Finishes:  
(W, BB, BZ, B, C, H)



**Square Adjustable Pinhole**  
**ELK3327**  
Finishes:  
(B, BB, BZ)



**Square Adjustable Baffle**  
**ELK3393**  
Finishes:  
(W)

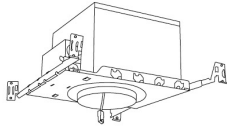


**Square Adj. Wall Wash**  
**ELK3322**  
Finishes:  
(W)

# Compatible Products

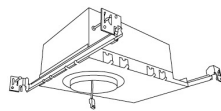
For use with **Koto™ Architectural LED Light Engine**

## 4" Koto™ Architectural Recessed Housings



4" High Lumen Maximum Adjustability ICA Housing  
1500 lm (18.9W) w/ELK21 Series Module  
Not for use with ELK19 Series Module  
**New Construction**

CAT NO.	SPECIFICATIONS
E4LK47ICA	1250 lm - 120V - Triac/ELV
E4LK48ICAD	1250 lm - 120/277V - 0-10V/Triac/ELV
E4LK78ICA	1500 lm - 120V - Triac/ELV
E4LK79ICAD	1500 lm - 120/277V - 0-10V/Triac/ELV



4" Shallow Maximum Adjustability ICA Housing  
850 lm (14.7W) w/ELK19 Series Module  
1100 lm (14.7W) w/ELK21 Series Module  
**New Construction**

CAT NO.	SPECIFICATIONS
E4LK98ICA	120V - Triac/ELV
E4LK99ICAD	120/277V - 0-10V/Triac/ELV



4" Standard ICA Housing  
750 lm (11.8W) w/ELK19 Series Module  
950 lm (11.8W) w/ELK21 Series Module  
**New Construction**

CAT NO.	SPECIFICATIONS
E4LK87ICA	120V - Triac/ELV
E4LK87ICA-EM1	Emergency Battery Back-Up
E4LK88ICAD	120/277V - 0-10V/Triac/ELV
E4LK88ICAD-EM1	Emergency Battery Back-Up



4" Standard ICA Housing  
750 lm (11.8W) w/ELK19 Series Module  
950 lm (11.8W) w/ELK21 Series Module  
**Remodel**

CAT NO.	SPECIFICATIONS
E4LK87RICA	120V - Triac/ELV
E4LK88RICAD	120/277V - 0-10V/Triac/ELV



2-Hour Fire Rated 4" ICA Housing  
750 lm (11.8W) w/ELK19 Series Module  
950 lm (11.8W) w/ELK21 Series Module  
**New Construction**

CAT NO.	SPECIFICATIONS
ELK93FICA	120V - Triac/ELV
ELK94TFICAD	120/277V - 0-10V/Triac/ELV

## 4" Pex™ Round Twist-On Trims



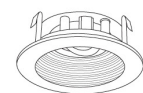
**Reflector**  
**ELK4118**  
Finishes:  
(W, BB, BZ, B, C, H)



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



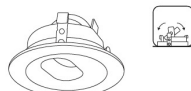
**Adjustable Pinhole**  
**ELK4127**  
Finishes:  
(B, BB, BZ)



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



**Slot Aperture**  
**ELK4130**  
Finishes:  
(W)



**Rotatable Slot Aperture**  
**ELK4120**  
Finishes:  
(W)



**Adj. Wall Wash**  
**ELK4122**  
Finishes:  
(W)

# Compatible Products

For use with **Koto™** Architectural LED Light Engine

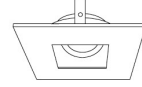
## 4" Pex™ Square Twist-On Trims



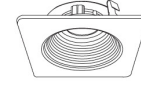
**Reflector**  
**ELK4218**  
 Finishes:  
 (W, BB, BZ, B, C, H)



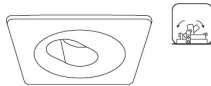
**Adjustable Gimbal**  
**ELK4229**  
 Finishes:  
 (W, BB, BZ, B, C, H)



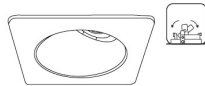
**Adjustable Pinhole**  
**ELK4227**  
 Finishes:  
 (B, BB, BZ)



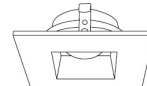
**Adjustable Phenolic Baffle**  
**ELK4293**  
 Finishes:  
 (W, BB, B)



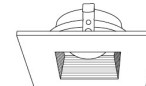
**Adj. Slot Rotatable Aperture**  
**ELK4220**  
 Finishes:  
 (W)



**Adjustable Wall Wash**  
**ELK4222**  
 Finishes:  
 (W)

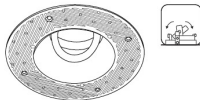


**Adjustable Reflector**  
**ELK4282**  
 Finishes:  
 (W)

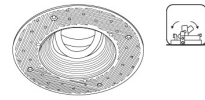


**Adjustable Baffle**  
**ELK4284**  
 Finishes:  
 (W)

## 4" Pex™ Adjustable Trimless



**Smooth Reflector**  
**ELK430**  
 Finishes:  
 (W, B, BZ)



**Baffle**  
**ELK434**  
 Finishes:  
 (W, B, BZ)

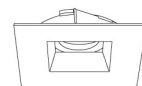
## 4" Flexa™ Twist-&-Lock Trims



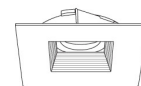
**Round Reflector**  
**ELK4721**  
 Finishes:  
 (WW, BB, BZBZ, BW, CC, CW, HW, CN)



**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*