

Project name:

Fixture type:

Date:

# Koto Focus<sup>™</sup> Architectural LED Light Engine

Koto <sup>™</sup> Adjustable Beam 18<sup>o</sup> - 50<sup>o</sup> Angles. Works with 2", 3", 4", 5" and 6" Architectural Koto Housings and Koto <sup>™</sup> Trims



#### Features

- Includes white snoot installed on module and field changeable black snoot.
- Light engine used with Koto™ Architectural Housings
  See Koto™ Architectural housings for lumen output
- See Koto Architectural housings for humen output options
   Driver on housing submit of humen output
- Driver on housing extends lifespan and allows for more dimming and EM options
- Adjustable Focus: 18º to 50º with a simple twist of the lens
- Works in 2", 3", 4", 5" and 6" ELCO housings with Koto™ twist-&-lock trims
- Excellent color rendering 95+ CRI
- Title 24 JA8 2016 Registered
- Life span of 50,000 hours L70
- Covered by U.S. PATENTS and Patents Pending

### **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<sup>™</sup> 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) <u>ELK21 Delivered Lumens:</u> 2700K: 890 lm, 3000K: 930 lm, 3500K: 990 lm, 4000K: 1020 lm

• E3LK76ICA, E3LK77ICAD, E4LK98ICA, E4LK99ICAD (15W, 350mA) <u>ELK21 Delivered Lumens:</u> 2700K:1140 lm, 3000K:1200 lm, 3500K: 1270 lm, 4000K: 1390 lm

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

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

**Installation:** Twist-lock design for toolless trim installation, for use with Koto<sup>™</sup> trims only. Adjustable Focus: 18<sup>o</sup> to 50<sup>o</sup> with a simple twist of the lens. Can be used in 2<sup>n</sup>, 3<sup>n</sup> & 4<sup>n</sup> Architectural Koto<sup>™</sup> 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 sink. Instant On to Full Brightness. No LED pixelation.

### Specifications

Wattage	18.9W
Lumens	1360 lm - 1690 lm
Color Temp.	2700K - 4000K
Lamp Type	LED
Beam Angle	18° - 50°
CRI	95+
Wet Location	cUL Listed w/Wet Location Trim

Damp Location CUL Listed

### Options

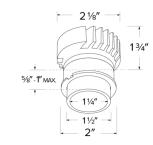




White Snoot

Black Snoot

### Dimensions

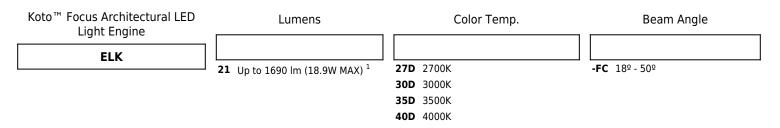


### **Product Numbers**

Item	Lamp type	Lumens	сст	Watts	Beam Angle
ELK2127D-FC	LED	1360 MAX. Im	2700K	18.9W	18° - 50°
ELK2130D-FC	LED	1430 MAX. Im	3000K	18.9W	18° - 50°
ELK2135D-FC	LED	1510 MAX. Im	3500K	18.9W	18° - 50°
ELK2140D-FC	LED	1690 MAX. Im	4000K	18.9W	18° - 50°

Dimmability: Based on housing used. See Koto™ Architectural Housings for options.
 Listings: cUL Listed for Damp Locations. cUL Listed for Wet Location with Wet location trims. RoHS Compliant. California Title 24 JA8-2016-E.
 Warranty: ELCO Products are built to last with a 5-year Limited Warranty.

### Product Number Builder Example: ELK2127D-FC



 $^{\scriptscriptstyle 1}$  Lumen output varies based on the architectural Koto housing used





## 2" Koto™ Architectural Recessed Housings



2" Shallow Maximum Adjustability ICA Housing 1000 Im (14.7W) wIELK19 Series Module 1200 Im (14.7W) wIELK21 Series Module 1500 Im (14.7W) wIELK24 Series Module Shallow New Construction

CAT NO.	SPECIFICATIONS
E2LK34ICA	120V - Triac/ELV
E2LK35ICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>



2" Maximum Adjustability ICA Housing 1350 Im (15.7W) w/ELK21 Series Module 1650 Im (15.7W) w/ELK24 Series Module New Construction

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

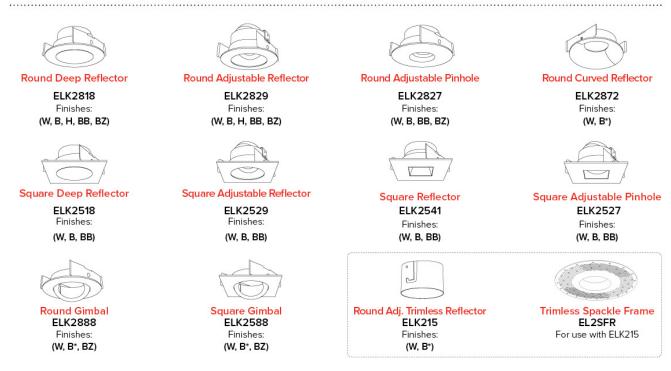


2" Maximum Adjustability ICA Housing 1500 lm (18.9W) w/ELK21 Series Module 1850 lm (18.9W) w/ELK24 Series Module High Lumen New Construction

CAT NO.	SPECIFICATIONS		
E2LK94ICA	120V - Triac/ELV		
F2I K95ICAD	120/27V - 0-10V/Triac/ELV		

<sup>1</sup>3 in 1 dimming: Triac, ELV and 0-10V dimming in one driver to 1%

### 2" Pex™ Twist-On Trims



Finishes: W - All White, BB - All Black, BZ - All Bronze, B - Black w/White Ring, C - Chrome w/White Ring, H - Haze w/White Ring, B\* - All Black, (For ELK2872, ELK2888, ELK2588, & ELK215)



For use with Koto<sup>™</sup> Architectural LED Light Engine

## 3" Koto<sup>™</sup> Architectural Recessed Housings



3" High Lumen Maximum Adjustability ICA Housing 1500 Im (18.9W) w/ELK21 Series Module 1650-1850 lm (18.9W) w/ELK24 Series Module **New Construction** 

CAT NO.	SPECIFICATIONS
E3LK53ICA	120V - Triac/ELV
E3LK54ICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>
E3LK84ICA	120V - Triac/ELV
E3LK85ICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>



3" Shallow Maximum Adjustability ICA Housing 850 lm (14.7W) w/ELK19 Series Module 1100 lm (14.7W) w/ELK21 Series Module 1500 lm (14.7W) w/ELK24 Series Module New Construction

CAT NO.	SPECIFICATIONS
E3LK76ICA	120V - Triac/ELV
E3LK77ICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>



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3" Standard ICA Housing 750 lm (10.5W) w/ELK19 Series Module 950 lm (10.5W) w/ELK21 Series Module 1350 lm (10.5W) w/ELK21 Series Module New Construction

CAT NO.	SPECIFICATIONS
E3LK65ICA	120V - Triac/ELV
E3LK65ICA-EM1	Emergency Battery Back-Up
E3LK66ICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>
E3LK66ICAD-EM1	Emergency Battery Back-Up



3" Standard ICA Housing 750 lm (10.5W) w/ELK19 Series Module 950 lm (10.5W) w/ELK21 Series Module 1350 lm (10.5W) w/ELK24 Series Module Remodel

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



2-Hour Fire Rated 3" ICA Housing 750 lm (10.5W) w/ELK19 Series Module 950 lm (10.5W) w/ELK21 Series Module 1350 lm (10.5W) w/ELK24 Series Module **New Construction** 

	SPECIFICATIONS	CAT NO.	SPECIFICATIONS
RICA	120V - Triac/ELV	ELK72FICA	120V - Triac/ELV
RICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>	ELK73FICAD	120/277V - 0-10V/Triac/ELV





**Round Deep Reflector** 

ELK3618 Finishes: (W, BB, BZ, B, C, H)



Round Adj. Wall Wash ELK3622 Finishes:





**Round Adjustable Gimbal** ELK3629 Finishes:

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



**Round Regressed Eyeball** ELK3653 Finishes: (W, BB, B)



**Round Adjustable Pinhole** 

ELK3627 Finishes: (B, BB, BZ, B, H)

**Round Curved Reflector** 

ELK3672 Finishes: (W, B)



Recommended to be used with Maximum Adjustability Housing



Round Adj. Slot Aperture ELK3620 Finishes: (W)



**Round Directional Gimbal** ELK3679 Finishes. (W, BB, B, H)

Finishes: W - All White, BB - All Black, BZ - All Bronze, B - Black w/White Ring, C - Chrome w/White Ring, H - Haze w/White Ring, B\* - All Black (For ELK3672)

For use with Koto<sup>™</sup> Architectural LED Light Engine







#### **Round Adjustable Baffle**

ELK3693 Finishes: (W)



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



ELK3318 Finishes: (W, BB, BZ, B, C, H)



Square Reflector ELK3341 Finishes: (W, BB, BZ, B)

# Square Adjustable Reflector

ELK3329 Finishes: (W, BB, BZ, B, C, H)



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

### Square Adj. Wall Wash ELK3322

Recommended to be

used with Maximum Adjustability Housing

2

Finishes: (W)

3" Pex<sup>™</sup> Flush Mount Trim Adaptors



#### **Round Flush Mount Trim Adaptor**

#### EL3FMR

Compatible 3″ Pex™ Round trims: ELK3618, ELK3629, ELK3627, ELK3693, ELK3620, ELK3622 Series



#### Square Flush Mount Trim Adaptor

EL3FMS Compatible 3″ Pex™ Square trims: ELK3318, ELK3329, ELK3322, ELK3327, ELK3341, ELK3393 Series



Finishes: W - All White, BB - All Black, BZ - All Bronze, B - Black w/White Ring, C - Chrome w/White Ring, H - Haze w/White Ring, B\* - All Black (For ELK315, ELK370, & ELK381)



For use with Koto<sup>™</sup> Architectural LED Light Engine

## 4" Koto™ Architectural Recessed Housings



4" High Lumen Maximum Adjustability ICA Housing 1500 lm (15.7W) w/ELK21 Series Module 1650-1850 lm (15.7W) w/ELK24 Series Module New Construction

CAT NO.	SPECIFICATIONS
E4LK47ICA	120V - Triac/ELV
E4LK48ICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>
E4LK78ICA	120V - Triac/ELV
E4LK79ICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>



4" Shallow Maximum Adjustability ICA Housing 850 Im (14.7W) w/ELK19 Series Module 1100 Im (14.7W) w/ELK21 Series Module 1500 Im (14.7W) w/ELK24 Series Module New Construction

CAT NO.	SPECIFICATIONS
E4LK98ICA	120V - Triac/ELV
E4LK99ICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>



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4" Standard ICA Housing 750 lm (11.8W) w/ELK19 Series Module 950 lm (11.8W) w/ELK21 Series Module 1350 lm (11.8W) w/ELK24 Series Module New Construction

CAT NO.	SPECIFICATIONS
E4LK87ICA	120V - Triac/ELV
E4LK87ICA-EM1	Emergency Battery Back-Up
E4LK88ICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>
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 1350 lm (11.8W) w/ELK24 Series Module Remodel

CAT NO.	SPECIFICATIONS
E4LK87RICA	120V - Triac/ELV
F4I K88RICAD	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 1100 lm (11.8W) w/ELK24 Series Module New Construction

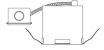
	CAT NO.	SPECIFICATIONS
	ELK93FICA	120V - Triac/ELV
ac/ELV <sup>1</sup>	ELK94EICAD	120/277V - 0-10V/Triac/FLV <sup>1</sup>



4" ICA Housing for 2-Hr Fire Rated Ceilings New Construction

Compatible Trims: ELK4116, ELK4127, ELK4129, ELK4188, ELK4710, ELK4713, ELK4715, ELK4216, ELK4229, ELK4227, ELK4714, & ELK4716

CAT NO.	SPECIFICATIONS
E4JB85ICA	120V - Triac/ELV
E4JB85ICA-EM1	Emergency Battery Back-Up
E4JB86ICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>
E4JB86ICAD-EM1	Emergency Battery Back-Up



4" ICA Housing for 2-Hr Fire Rated Ceilings Remodel

Compatible Trims: ELK4116, ELK4127, ELK4129, ELK4188, ELK4710, ELK4713, ELK4715, ELK4216, ELK4229, ELK4227, ELK4714, & ELK4716

CAT NO.	SPECIFICATIONS
E4JB85RICA	120V - Triac/ELV
E4JB85RICA-EM1	Emergency Battery Back-Up
E4JB86RICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>
E4JB86RICAD-EM1	Emergency Battery Back-Up

<sup>1</sup> 3 in 1 dimming: Triac, ELV and 0-10V dimming in one driver to 1%

For use with Koto<sup>™</sup> Architectural LED Light Engine







#### Round Flush Mount Trim Adaptor

EL4FMR Compatible 3" Pex™ Round trims: ELK4116, ELK4118, ELK4127, ELK4129, ELK4710, ELK4713, ELK4715 Series



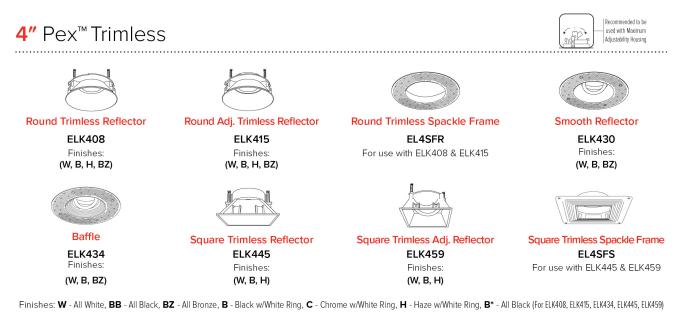
#### Square Flush Mount Trim Adaptor

EL4FMS Compatible 3" Pex™ Square trims: ELK4216, ELK4218, ELK4227, ELK4229 Series

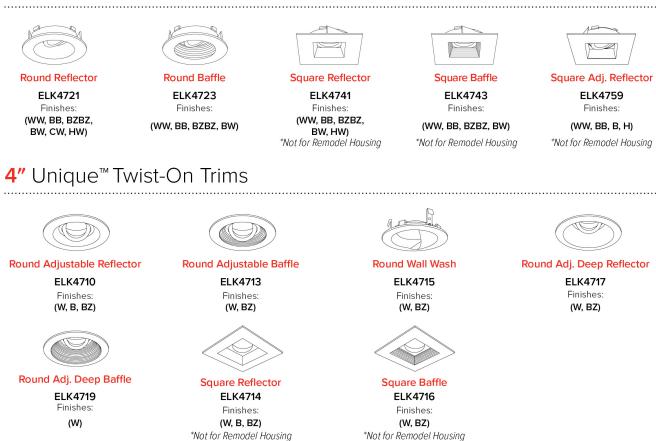
Finishes: W - All White, BB - All Black, BZ - All Bronze, B - Black w/White Ring, C - Chrome w/White Ring, H - Haze w/White Ring, B\* - All Black (For ELK4188, ELK4172, & ELK4284)

For use with Koto<sup>™</sup> Architectural LED Light Engine





## **4**″ Flexa™ Twist-On Trims



\*Finishes: W - All White, WW - All White, B - Black Reflector w/White Ring, C - Chrome Reflector w/White Ring, H - Haze Reflector w/White Ring, BB - All Black, BZ - All Bronze, CC - All Chrome, BZBZ - All Bronze, BW - Black Reflector w/White Ring, CW - Chrome Reflector w/White Ring, CN - Chrome Reflector w/Nickel Ring, HW - Haze Reflector w/White Ring



For use with Koto<sup>™</sup> Architectural LED Light Engine

## 6" Koto™ Architectural Recessed Housings



6" High Lumen Maximum Adjustability ICA Housing 1250 Im (15.9W) w/ELK21 Series Module 1650-1800 Im (18.9W) w/ELK24 Series Module New Construction

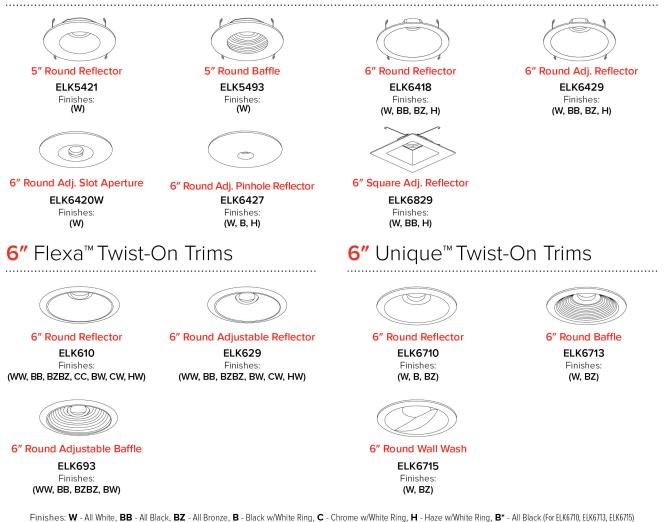
CAT NO.	SPECIFICATIONS
E6LK43ICA	120V - Triac/ELV
E6LK44ICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>
E6LK56ICA	120V - Triac/ELV
E6LK57ICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>



6" Standard ICA Housing 1100 lm (14.7W) w/ELK21 Series Module 1500 lm (14.7W) w/ELK24 Series Module New Construction

CAT NO.	SPECIFICATIONS
E6LK37ICA	120V - Triac/ELV
E6LK37ICA-EM1	Emergency Battery Back-Up
E6LK38ICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>
E6LK38ICAD-EM1	Emergency Battery Back-Up

## 5" & 6" Pex™ Twist-On Trims



Finishes. W - All while, BD - All block, B2 - All blocket, B - block with the king,  $\sim$  - chiolite with the king,  $\square$  - haze with the king,  $\square$  - All block (rolet korn), et korn, et