

Project name:	
Fixture type:	
Date:	

# **Koto Focus™ Architectural LED Light Engine**

Koto  $^{\text{\tiny{M}}}$  Adjustable Beam 18 $^{\text{\tiny{Q}}}$  - 50 $^{\text{\tiny{Q}}}$  Angles. Works with 2", 3", 4", 5" and 6" Architectural Koto Housings and Koto  $^{\text{\tiny{M}}}$  Trims



### **Features**

- Includes white snoot installed on module and field changeable black snoot.
- $\bullet$  Light engine used with Koto  $\mbox{\ensuremath{^{\text{\tiny{M}}}}}$  Architectural Housings
- See Koto™ Architectural housings for lumen output options
- 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

### **Specifications**

Wattage	18.9W
Lumens	1430 MAX. lm
Color Temp.	3000K
Lamp Type	LED
Beam Angle	18° - 50°
CRI	95+
Wet Location	cUL Listed w/Wet Location Trim

#### Damp Location cUL Listed

### **Options**

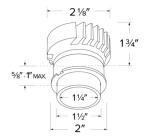






**Black Snoo** 

### 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.

- E3LK76ICA, E3LK77ICAD, E4LK98ICA, E4LK99ICAD (15W, 350mA)
   ELK21 Delivered Lumens: 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) 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. Adjustable Focus: 18º to 50º with a simple twist of the lens. Can be used 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 sink. Instant On to Full Brightness. No LED pixelation.

### **Product Number**

Item	Lamp type	Lumens	сст	Watts	Beam Angle	
ELK2130D-FC	LED	1430 MAX.	3000K	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

Koto™ Focus Architectural LED Light Engine	Lumens	Color Temp.	Beam Angle
ELK			
	<b>21</b> Up to 1690 lm (18.9W MAX) <sup>1</sup>	<b>27D</b> 2700K	-FC 18º - 50º
	•	<b>30D</b> 3000K	
		<b>35D</b> 3500K	
		<b>40D</b> 4000K	

 $<sup>^{\</sup>mathrm{1}}$  Lumen output varies based on the architectural Koto housing used



For use with Koto™ Architectural LED Light Engine

### 2" Koto™ Architectural Recessed Housings



2" Shallow Maximum Adjustability ICA Housing 1000 Im (14.7W) w/ELK19 Series Module 1200 Im (14.7W) w/ELK21 Series Module 1500 Im (14.7W) w/ELK24 Series Module Shallow New Construction

Citation New Construction				
CAT NO.	SPECIFICATIONS			
E2LK34ICA	120V - Triac/ELV			

E2LK35ICAD 120/277V - 0-10V/Triac/ELV1



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
F2LK42ICAD	120/27V - 0-10V/Triac/FLV1



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
E2LK95ICAD	120/27V - 0-10V/Triac/ELV <sup>1</sup>

13 in 1 dimming: Triac, ELV and 0-10V dimming in one driver to 1%

### 2" Pex™ Twist-On Trims



Round Deep Reflector

ELK2818 Finishes: (W, B, H, BB, BZ)



Square Deep Reflector

ELK2518 Finishes: (W, B, BB)



(W, B\*, BZ)



#### Round Adjustable Reflector

ELK2829 Finishes: (W, B, H, BB, BZ)



### Square Adjustable Reflector

ELK2529 Finishes: (W, B, BB)



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



#### Round Adjustable Pinhole

ELK2827 Finishes: (W, B, BB, BZ)



### Square Reflector

ELK2541 Finishes: (W, B, BB)



#### Round Curved Reflector

ELK2872 Finishes: (W, B\*)



### Square Adjustable Pinhole

ELK2527 Finishes: (W, B, BB)



#### Round Adj. Trimless Reflector

ELK215 Finishes: (W, B\*)



Trimless Spackle Frame EL2SFR For use with ELK215

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™ Architectural LED Light Engine

### 3" Koto™ Architectural Recessed Housings



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

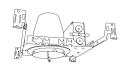
UIIII	(10	JVV	VV/LL	1127	Jene.
Ne	w	Co	nstr	uct	ion

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
Ε3Ι Κ77ΙΟΔΟ	120/277V - 0-10V/Triac/FLV <sup>1</sup>



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>
E3I K66ICAD-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

2	m	^	М	Δ
 Œ	ш	U	u	ᆫ
_		_	_	_

CAT NO.	SPECIFICATIONS
E3LK65RICA	120V - Triac/ELV
E3LK66RICAD	120/277V - 0-10V/Triac/ELV1



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**

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

13 in 1 dimming: Triac, ELV and 0-10V dimming in one driver to 1%

### 3" Pex™ Twist-On Trims



Round Deep Reflector

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





Round Adj. Wall Wash ELK3622 Finishes:

(W)



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)





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™ Architectural LED Light Engine

### 3" Pex™ Twist-On Trims





Round Adjustable Baffle

ELK3693 Finishes: (W)



Square Adjustable Pinhole

ELK3327 Finishes: (W, BB, BZ, B, H)



Square Deep Reflector

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 Finishes: (W)

### 3" Pex™ 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

### **3"** Pex™ Trimless





Round Trimless Reflector

ELK308 Finishes: (W, B, H)



Square Trimless Reflector ELK370

Finishes: (W, B, H)



#### Round Adjustable Trimless Reflector

ELK315 Finishes: (W, B, H)



Square Adjustable Trimless Reflector

ELK381
Finishes:
(W, B, H)



Round Trimless Spackle Frame EL3SFR

For use with ELK315



Square Trimless Spackle Frame EL03SFS

For use with ELK370 & ELK381



Round Knife Edge Wood Ceiling Trim w/Mounting Clips

EL3WCR Finishes: (W, B)

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 Im (15.7W) w/ELK21 Series Module 1650-1850 Im (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 (14.7M) w/ELK19 Series Module 1100 Im (14.7M) w/ELK21 Series Module 1500 Im (14.7M) w/ELK24 Series Module New Construction

CAT NO.	SPECIFICATIONS
E4LK98ICA	120V - Triac/ELV
E4LK99ICAD	120/277V - 0-10V/Triac/ELV1



4" Standard ICA Housing 750 Im (11.8W) w/ELK19 Series Module 950 Im (11.8W) w/ELK21 Series Module 1350 Im (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



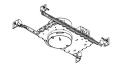
4" Standard ICA Housing 750 Im (11.8W) w/ELK19 Series Module 950 Im (11.8W) w/ELK21 Series Module 1350 Im (11.8W) w/ELK24 Series Module Remodel

CAT NO.	SPECIFICATIONS
E4LK87RICA	120V - Triac/ELV
E4LK88RICAD	120/277V - 0-10V/Triac/ELV <sup>1</sup>



2-Hour Fire Rated 4" ICA Housing 750 Im (11.8W) w/ELK19 Series Module 950 Im (11.8W) w/ELK21 Series Module 1100 Im (11.8W) w/ELK24 Series Module New Construction

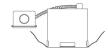
CAT NO.	SPECIFICATIONS
ELK93FICA	120V - Triac/ELV
ELK94FICAD	120/277V - 0-10V/Triac/ELV1



### 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>13</sup> in 1 dimming: Triac, ELV and 0-10V dimming in one driver to 1%



For use with Koto™ Architectural LED Light Engine

### **4"** Pex<sup>™</sup> Twist-On Trims





Shallow Reflector ELK4116 Finishes: (W, H)



Rotatable Slot Aperture ELK4120 Finishes: (W)



Adjustable Spot

ELK4188 Finishes: (W, B, BZ)



**Shallow Reflector** 

ELK4216 Finishes: (W, H)



Adjustable Pinhole ELK4227

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



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



Adjustable Wall Wash ELK4122 Finishes: (W)



Regressed Eyeball

ELK4153 Finishes: (W, BB, B)



Deep Reflector

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



Adjustable Reflector

ELK4282 Finishes: (W, BZ)



Adjustable Reflector ELK4129

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



Adjustable Pinhole

ELK4127 Finishes: (W, BB, BZ, B, H)



**Curved Reflector** 

ELK4172 Finishes: (W, B)



Adjustable Gimbal

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



Adjustable Baffle

ELK4284 Finishes: (W, B, BZ)



#### Adjustable Reflector with Clear Glass ELK4111

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



Adjustable Pinhole with Frosted Glass

ELK4125 Finishes: (W, BB, BZ, B, H)



**Directional Gimbal** 

ELK4179 Finishes: (W, BB, B, H)



Adjustable Slot Rotatable Aperture

ELK4220 Finishes: (W)



ELK4293 Finishes: (W, BB, B)



### Adjustable Reflector with Frosted Lens

ELK4112 Finishes: (W, BB, BZ, B, C, H)



Slot Aperture

ELK4130 Finishes: (W)



### Adjustable Baffle

ELK4193 Finishes: (W, BB, B)



Adjustable Wall Wash ELK4222 Finishes:

(W)

Adj. Phenolic Baffle

### **4"** Pex™ Flush Mount Trim Adaptors



#### Round Flush Mount Trim Adaptor

#### FL4FMR

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™ Architectural LED Light Engine

### 4" Pex™ Trimless





**Round Trimless Reflector** 

ELK408 Finishes: (W, B, H, BZ)



**Baffle** 

ELK434 Finishes: (W, B, BZ)



Round Adj. Trimless Reflector

ELK415 Finishes: (W, B, H, BZ)



**Square Trimless Reflector** 

ELK445 Finishes: (W, B, H)



Round Trimless Spackle Frame

**EL4SFR**For use with ELK408 & ELK415



Square Trimless Adj. Reflector

ELK459 Finishes: (W, B, H)



Smooth Reflector

ELK430 Finishes: (W, B, BZ)





Square Trimless Spackle Frame

EL4SFS

For use with ELK445 & ELK459

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 ELK408, ELK415, ELK434, ELK459, ELK459)

### 4" Flexa™ Twist-On Trims



**Round Reflector** 

ELK4721 Finishes: (WW, BB, BZBZ, BW. CW. HW)



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



#### Square Adj. Reflector

ELK4759 Finishes:

(WW, BB, B, H)

\*Not for Remodel Housing

### 4" Unique™ Twist-On Trims



#### Round Adjustable Reflector

ELK4710 Finishes: (W, B, BZ)



#### Round Adj. Deep Baffle

ELK4719 Finishes: (W)



#### Round Adjustable Baffle

ELK4713 Finishes: (W, BZ)



#### **Square Reflector**

ELK4714
Finishes:
(W, B, BZ)
\*Not for Remodel Housing



### Round Wall Wash

ELK4715 Finishes: (W, BZ)



### Square Baffle

ELK 4716
Finishes:
(W, BZ)
\*Not for Remodel Housing



### Round Adj. Deep Reflector

ELK4717 Finishes: (W, BZ)

\*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



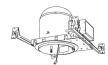
For use with **Koto™ Architectural LED Light Engine** 

### 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 Im (14.7W) w/ELK21 Series Module 1500 Im (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/ELV1
E6LK38ICAD-EM1	Emergency Battery Back-Up

### 5" & 6" Pex™ Twist-On Trims



5" Round Reflector

ELK5421 Finishes: (W)



6" Round Adj. Slot Aperture

ELK6420W Finishes: (W)



5" Round Baffle

ELK5493 Finishes: (W)



6" Round Adj. Pinhole Reflector

ELK6427 Finishes: (W, B, H)



6" Round Reflector

ELK6418 Finishes: (W, BB, BZ, H)



6" Square Adj. Reflector

ELK6829 Finishes: (W, BB, H)

### 6" Unique™ Twist-On Trims



6" Flexa™ Twist-On Trims

6" Round Reflector

ELK610 Finishes: (WW, BB, BZBZ, CC, BW, CW, HW)



6" Round Adjustable Reflector

ELK629 Finishes: (WW, BB, BZBZ, BW, CW, HW)



6" Round Reflector

ELK6710 Finishes: (W, B, BZ)



6" Round Adj. Reflector

ELK6429

Finishes:

(W, BB, BZ, H)

6" Round Baffle

ELK6713 Finishes: (W, BZ)



### 6" Round Adjustable Baffle

ELK693 Finishes: (WW, BB, BZBZ, BW)



6" Round Wall Wash

ELK6715 Finishes: (W, BZ)

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 ELK6710, ELK6713, ELK6715,