

# Koto™ LED Module

Works with 2", 3", 4", 5" & 6" Recessed Housings and Koto™ Trims



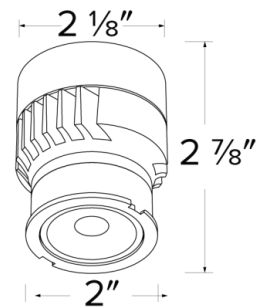
## Features

- Integrated 120V Dimmable Driver Triac/ELV
- Excellent color rendering 95+ CRI
- Sunset Module ELK09SD & ELK11SD starts from 3000K and dims to 1800K
- Works in 2", 3" and 4" ELCO housings with Koto™ twist-&-lock trims
- Energy Star Certified
- Title 24 JA8-2019 Compliant
- 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)
- Covered by U.S. PATENTS and Patents Pending

## Specifications

<b>Wattage</b>	10W
<b>Lumens</b>	1100 lm
<b>Voltage</b>	120V
<b>Color Temp.</b>	4000K
<b>Dimmable</b>	Triac/ELV
<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:** Frosted polycarbonate module lens diffuses light evenly throughout while reducing glare with LED technology.

**Construction:** Integrated driver and light engine with quick connect. Diecast aluminum body with heat fins allow for efficient cooling.

**Installation:** Twist-lock design for toolless trim installation, for use with Koto™ trims only. Can be use in 2", 3" and 4" housings with quick connect base.

**Electrical:** Module connects to 120 power supply. High efficiency driver with a power factor >0.9. Start time of less than 0.75 seconds.

### Delivered Lumens:

**ELK0727** 770 lm/2700K **ELK0730** 800 lm/3000K **ELK0735** 830 lm/3500K **ELK0740** 860 lm/4000K

**ELK0927** 940 lm/2700K **ELK0930** 990 lm/3000K **ELK0935** 1040 lm/3500K **ELK0940** 1100 lm/4000K  
**ELK09SD** 940 lm/Sunset

**ELK1127** 1100 lm/2700K **ELK1130** 1150 lm/3000K **ELK1135** 1200 lm/3500K **ELK1140** 1260 lm/4000K  
**ELK11SD** 1050 lm/Sunset

**LED Technology:** Extremely accurate Color Rendering Index of 95+. Lumen Maintaince 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 technology. No LED pixilation.

**Dimmability:** Works with 120V Triac and ELV type dimmers. Dims down to 10%. For full list of dimmers, refer to the Dimmer Compatibility List. Industry leading dimming that dims smoothly with no hot spots or flickering.

## Product Number

Item	Lamp type	Lumens	CCT	Watts	Voltage	Dimming	Beam Angle
<b>ELK0940</b>	LED	1100 lm	4000K	10W	120V	Triac/ELV	38°

**Listings:** UL Listed for Damp Locations. UL Listed for Wet Location with Wet location trims. RoHS Compliant. Meets Energy Star & California Title 24 JA8-2019 standards.

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

## Product Number Builder Example: ELK0727

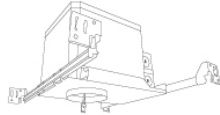
Koto™ LED Module	Lumens	Color Temp.	Beam Angle
<b>ELK</b>			
	<b>07</b> 750 lm	<b>27</b> 2700K	38°
	<b>09</b> 950 lm	<b>30</b> 3000K	<b>-S</b> 18°
	<b>11</b> 1150 lm	<b>35</b> 3500K	<b>-N</b> 25°
		<b>40</b> 4000K	<b>-W</b> 60°
		<b>SD</b> Sunset	

# Compatible Products

For use with **Koto™ LED Module**

## 2" Koto™ Dedicated LED ICA Housings

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2" ICA Maximum Adjustability Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL276ICA	Maximum Adjustability

## 2" Pex™ Twist-On Trims

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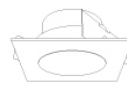
**Round Deep Reflector**

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



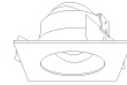
**Round Adjustable Reflector**

**ELK2829**  
Finishes:  
(W, B, H, 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™ LED Module

## 3" Koto™ Dedicated LED ICA Housings



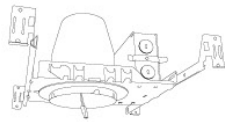
2-Hour Fire Rated 3" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL39FICA	7 1/2" Height - Sound Rated



3" ICA Maximum Adjustability Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL386ICA	Maximum Adjustability



3" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL390ICA	
EL390ICA-EM5	Emergency Battery Back-up (90 minutes)



3" ICA Housing  
**Remodel**

CAT NO.	SPECIFICATIONS
EL390RICA	

## 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)



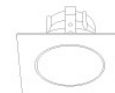
**Round Adjustable Baffle**  
ELK3693  
Finishes:  
(W)



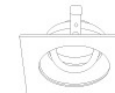
**Round Adj. Slot Aperture**  
ELK3620  
Finishes:  
(W)



**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)



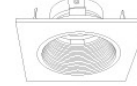
**Square Adjustable Pinhole**  
ELK3327  
Finishes:  
(B, BB, BZ)



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



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



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

# Compatible Products

For use with Koto™ LED Module

## 3" Pex™ Trimless *• Only for use with EL386ICA*

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**Spackle Frame**

**EL3SFR**



**Adjustable Trimless  
Reflector**

**ELK315**

Finishes:

**(W, B, H)**

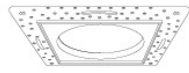
## 3" Flush Mount Trim Adaptors

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**Round Flush Mount**

**EL3FMR**



**Square Flush Mount**

**EL3FMS**

# Compatible Products

For use with Koto™ LED Module

## 4" Koto™ Dedicated LED ICA Housings



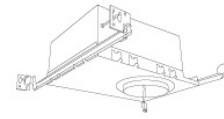
4" ICA Maximum Adjustability Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL485ICA	Maximum Adjustability



4" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL490ICA	14W, 120/277V
EL490ICA-EM5	Emergency Battery Back-up (90 minutes)



4" R-60 Spray Foam Insulation Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL490AJICA	Maximum Adjustability, For use in R60 or Chicago plenum applications



4" ICA Housing  
**Remodel**

CAT NO.	SPECIFICATIONS
EL490RICA	14W, 120V



2-Hour Fire Rated 4" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL48FICA	7 1/2" Height, Sound Rated

## 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™ LED Module

## 4" Pex™ Square Twist-On Trims



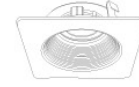
**Reflector**  
**ELK4218**  
Finishes:  
(W, BB, BZ, B, C, H)



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



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



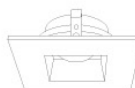
**Adjustable Phenolic Baffle**  
**ELK4293**  
Finishes:  
(W, BB, B)



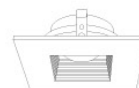
**Adj. Slot Rotatable Aperture**  
**ELK4220**  
Finishes:  
(W)



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



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



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

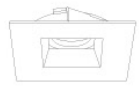
## 4" Flexa™ Twist-On Trims



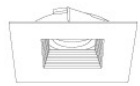
**Round Reflector**  
**ELK4721**  
Finishes:  
(WW, BB, BZBZ, BW, CC, CW, HW, CN)



**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 Square Reflector**  
**ELK4759**  
Finishes:  
(WW, BB, B, H)

# Compatible Products

For use with **Koto™ LED Module**

## 4" Pex™ Trimless

• Only for use with EL485ICA & EL490AJICA



**Round Spackle  
Frame Only**  
EL4SFR



**Round Smooth Reflector**  
ELK408  
Finishes:  
(W, B, BZ, H)



**Round Adjustable  
Reflector**  
ELK415  
Finishes:  
(W, B, BZ, H)



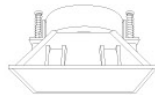
**Adjustable Reflector  
with Spackle Frame**  
ELK430  
Finishes:  
(W, B, BZ, H)



**Adjustable Baffle  
with Spackle Frame**  
ELK434  
Finishes:  
(W, B, BZ)



**Sq. Spackle Frame**  
EL4SFS



**Sq. Smooth Reflector**  
ELK445  
Finishes:  
(W, B, H)

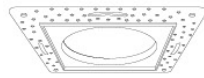


**Sq. Adjustable Reflector**  
ELK459  
Finishes:  
(W, B, H)

## 4" Flush Mount Trim Adaptors



**Round Flush Mount**  
EL4FMR



**Square Flush Mount**  
EL4FMS



# Compatible Products

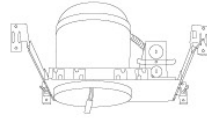
For use with **Koto™ LED Module**

## 6" Koto™ Dedicated LED ICA Housings



2-Hour Fire Rated 6" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL76FICA	7 3/4" Height



6" Standard ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL770ICA	7 1/2" Height



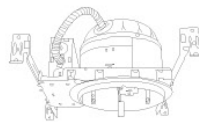
6" Standard ICA Housing  
**Remodel**

CAT NO.	SPECIFICATIONS
EL770RICA	7 1/2" Height



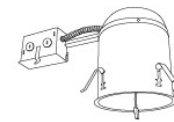
2-Hour Shallow Fire Rated 6" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL75FICAS	6 3/16" Height



6" Shallow ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
EL760ICA	5 1/2" Height



6" Shallow ICA Housing  
**Remodel**

CAT NO.	SPECIFICATIONS
EL760RICA	5 1/2" Height

## 6" Twist-On Trims



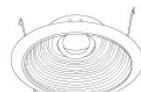
**Round Reflector**

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



**Adjustable Round Reflector**

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



**Adjustable Round Baffle**

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



**Round Deep Reflector**

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



**Adjustable Slot Aperture**

**ELK6420**  
Finishes:  
(W)

## 6" Unique™ Twist-On Trims



**Round Reflector**

**ELK6710**  
Finishes:  
(W, B, BZ)



**Round Baffle**

**ELK6713**  
Finishes:  
(W, BZ)



**Round Wall Wash**

**ELK6715**  
Finishes:  
(W, BZ)

# Compatible Products

For use with **Koto™ LED Module**

## 2" Koto Sylo™ Build-Your-Own

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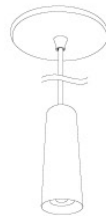
2" Koto Sylo Housing  
**Surface Mount**

CAT NO.	SPECIFICATIONS
EKS25SFW	White Finish
EKS25SFB	Black Finish
EKS25SFS	Silver Finish



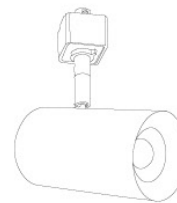
2" Koto Sylo Housing  
**Monopoint**

CAT NO.	SPECIFICATIONS
EKS25MPW	White Finish
EKS25MPB	Black Finish
EKS25MPS	Silver Finish



2" Koto Sylo Housing  
**Pendant**

CAT NO.	SPECIFICATIONS
EKS25PDW	White Finish
EKS25PDB	Black Finish
EKS25PDS	Silver Finish



2" Koto Sylo Housing  
**Surface Mount**

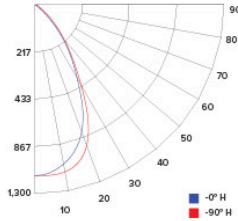
CAT NO.	SPECIFICATIONS
EKS25TRW	White Finish
EKS25TRB	Black Finish
EKS25TRS	Silver Finish

# Photometric Report

## Koto™ LED Module

### PHOTOMETRIC REPORT

Product #: ELK0730  
 Wattage / Lumens: 10.6W / 813.8 lm  
 Luminaire LPW: 76.7 lm/W



### CANDLE POWER SUMMARY

Degree Vertical	0°
0	1186
5	1188
15	1004
25	536
35	254
45	93
55	27
65	12
75	6
85	3
90	1

### ILLUMINANCE AT A DISTANCE

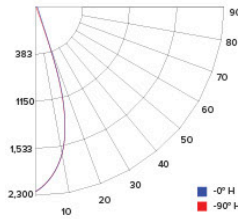
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	102.6	3.2'
6'	36.0	4.8'
8'	18.5	6.4'
10'	12.5	8.0'

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	580.1	71.3
0-40°	714.6	87.8
0-60°	797.0	98
0-90°	813.5	100

### PHOTOMETRIC REPORT

Product #: ELK0735  
 Wattage / Lumens: 10W / 947.4 lm  
 Luminaire LPW: 95 lm/W



### CANDLE POWER SUMMARY

Degree Vertical	0°
0	2249
5	2075
15	1257
25	388
35	72
45	31
55	21
65	11
75	5
85	0
90	0

### ILLUMINANCE AT A DISTANCE

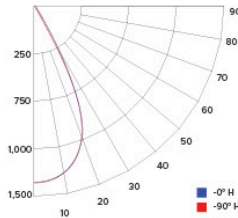
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	194.5	2.5'
6'	68.4	3.8'
8'	35.1	5.2'
10'	23.6	6.4'

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	812.7	85.8
0-40°	876.7	92.6
0-60°	919.5	97.1
0-90°	936.3	98.9

### PHOTOMETRIC REPORT

Product #: ELK0930  
 Wattage / Lumens: 10W / 972 lm  
 Luminaire LPW: 97 lm/W



### CANDLE POWER SUMMARY

Degree Vertical	0°
0	1455
5	1397
15	1175
25	655
35	306
45	116
55	38
65	16
75	7
85	2
90	1

### ILLUMINANCE AT A DISTANCE

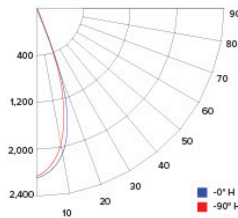
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	125.9	3.1'
6'	44.3	4.7'
8'	22.7	6.3'
10'	15.3	7.8'

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	685.9	70.6
0-40°	846.0	87.1
0-60°	946.8	97.5
0-90°	965.8	99.4

### PHOTOMETRIC REPORT

Product #: ELK0935  
 Wattage / Lumens: 10W / 990.8 lm  
 Luminaire LPW: 99 lm/W



### CANDLE POWER SUMMARY

Degree Vertical	0°
0	2295
5	2215
15	1501
25	569
35	104
45	37
55	25
65	15
75	9
85	6
90	6

### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	198.3	2.5'
6'	69.8	3.8'
8'	35.9	5.2'
10'	24.1	6.4'

### ZONAL LUMEN SUMMARY

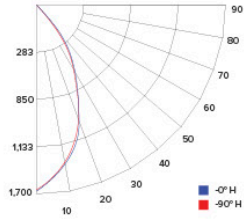
Zone	Lumens	%Luminaire
0-30°	826.6	83.5
0-40°	890.6	89.9
0-60°	937.1	94.6
0-90°	962	97.1

# Photometric Report

## Koto™ LED Module

### PHOTOMETRIC REPORT

Product #: ELK1130  
 Wattage / Lumens: 10W / 971.7 lm  
 Luminaire LPW: 97 lm/W



### CANDLE POWER SUMMARY

Degress Vertical	0°
0	1673
5	1607
15	1351
25	754
35	352
45	133
55	44
65	18
75	8
85	3
90	1

### ILLUMINANCE AT A DISTANCE

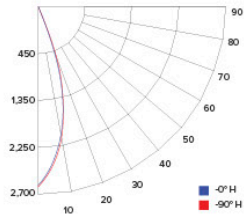
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	144.3	3.1'
6'	50.9	4.7'
8'	26.1	6.3'
10'	17.6	7.8'

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	788.8	70.6
0-40°	972.9	87.1
0-60°	1,088.8	97.5
0-90°	1,110.6	99.4

### PHOTOMETRIC REPORT

Product #: ELK1135  
 Wattage / Lumens: 10.3W / 1112.9 lm  
 Luminaire LPW: 108 lm/W



### CANDLE POWER SUMMARY

Degress Vertical	0°
0	2606
5	2321
15	1304
25	343
35	60
45	28
55	18
65	9
75	0
85	0
90	0

### ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	225.4	2.5'
6'	79.3	3.8'
8'	40.7	5.2'
10'	27.4	6.4'

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	959.2	86.2
0-40°	1,037.4	93.3
0-60°	1,085.9	97.6
0-90°	1,102.1	99.1