

Project name:
Fixture type:
Date:

# 3" Koto Sylo™ Surface Mount



#### **Features**

- Modern Surface Mount Die-Cast aluminum fixture for easy maintenance and upgrades
- Includes Standard 38º lens, with 25º and 60º lenses. Optional: 15º, 18º, 90° lenses available
- Fits 3 ½" and 4" Octagon and Round Junction boxes
- Sunset option dims from 3000K to 1800K
- Human Centric option dims from 4000K to 2200K
- Energy Star Certified. Title 24 JA8-2019 Compliant
- Life span of 50,000 hours L70

#### **Specifications**

Wattage	14.7W	
Lumens	1500 lm	
Voltage	120V	
Color Temp.	2400KK	
Dimmable	Triac/ELV	
Lamp Type	LED	
Beam Angle	38°	
CRI	95+	
Damp Location cUL Listed		

**Technical Details** 

Optics: 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 allows for efficient cooling.

**Installation:** Twist-on design for toolless module installation.

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

#### **Delivered Lumens:**

0327 2700K/442.8 lm/5W 0330 3000K/461.2 lm/5W

**0727** 2700K/770 lm/10.5W **0730** 3000K/800 lm/10.5W **0735** 3500K/830 lm/10.5W **0740** 4000K/860 lm/10.5W

**08CT5** 2700K/728.5 lm/10.5W **08CT5** 3000K/886 lm/10.5W **08CT5** 3500K/902 lm/10.5W **08CT5** 4000K/920 lm/10.5W **08CT5** 5000K/931 lm/10.5W

**0927** 2700K/912 lm/10.5W **0930** 3000K/950 lm/10.5W **0935** 3500K/990 lm/10.5W **0940** 4000K/1030 lm/10.5W **095D** Sunset/940 lm/10.5W

**10CT5** 2700K/908 lm/12.5W **10CT5** 3000K/1012 lm/12.5W **10CT5** 3500K/1038 lm/12.5W **10CT5** 4000K/1040 lm/12.5W **10CT5** 5000K/1032 lm/12.5W

**1124** 2400K/730 lm/12.5W **1127** 2700K/1068 lm/12.5W **1130** 3000K/1112 lm/12.5 **1135** 3500K/1156 lm/12.5W **1140** 4000K/1202 lm/12.5W **115D** Sunset/1050 lm/12.5W **11HC** Human Centric/1050 lm/12.5W

#### **Options**



#### **DImensions**



**1327** 2700K/1260 lm/12.5W **1330** 3000K/1312 lm/12.5W **1335** 3500K/1365 lm/12.5W **1340** 4000K/1420 lm/12.5W

**1527** 2700K/1439 lm/14.7W **1530** 3000K/1501

lm/14.7W **1535** 3500K/1565 lm/14.7W **1540** 4000K/1627 lm/14.7W

**LED Technology:** Extremely accurate Color Rendering Index 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 technology. No LED pixelation.

**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. HUMAN CENTRIC start at 4000K and go as low as 2200K when dimmed.

**Dimmability:** For full list of dimmers, refer to the Dimmer Compatibility List. Industry-leading dimming that dims smoothly with no hot spots or flickering.

**Listings**: cUL Listed for Damp Locations. RoHS Compliant. Meets Energy Star & California Title 24 IA8-2019 standards.

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

### Product Number Builder Example: E36FW-0727

Koto Sylo™	Style	Finish	Koto™ Module	Color Temp.	Voltage	Beam Angle
E36	F Surface Mount	<b>W</b> All White	<b>-03</b> 350 lm (5W) <sup>1, 2</sup>	<b>24</b> 2400K	120V, Triac/ELV	38º lens 9
		B All Black S All Silver	-07 750 lm (10.5W) -09 950 lm (10.5W) -11 1150 lm (12.5W) -13 1350 lm (12.5W) -15 1500 lm (14.7W)	27 2700K 30 3000K 35 3500K 40 4000K SD Sunset 4,5	<b>D</b> 120/277V, 0-10V/Triac/ELV	-S 18º lens -N 25º lens -W 60º lens -T 10º lens 1,10 -E 90° lens 11
			-18 1800 lm (18.9W) 825 lm -08 (10.5W)(CT5 Only) <sup>1, 3</sup>	HC Human Centric (-11 only) 1, 6, 7  CT5 2700K - 5000K 1, 8		-E 90' Iens
			1000 lm -10 (12.5W)(CT5 Only) <sup>1, 3</sup>			

<sup>&</sup>lt;sup>1</sup> Available as 120V, Triac/ELV only

<sup>&</sup>lt;sup>2</sup> Available with 2400K, 2700K and 3000K Color Temperature Only

<sup>&</sup>lt;sup>3</sup> Available with CT5 color temperature only

<sup>&</sup>lt;sup>4</sup> Available with -09, -11, -13 and -15 lumen outputs only

<sup>&</sup>lt;sup>5</sup> Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

<sup>&</sup>lt;sup>6</sup> Available with 1150 lumen (-11) outputs only

<sup>&</sup>lt;sup>7</sup> Human Centric, Dim to Warm technology, automatically transitions from 4000K to 2200K when dimmed

<sup>8</sup> Available with -08 and -10 lumen outputs only

<sup>&</sup>lt;sup>9</sup> Includes 25° and 60° lens in the box

 $<sup>^{\</sup>rm 10}$  Available with 350 and 750 lumen, 2700K and 3000K options only

<sup>&</sup>lt;sup>11</sup> 90° Frosted Reflector

# **Compatible** Products



For use with Dedicated Koto Sylo™ Fixtures

## Junction Boxes for Koto Sylo™ Ceiling Mount Fixtures



Junction Box with Hanger Bars **New Construction** 

CAT NO.	SPECIFICATIONS
FLJ4S	3 ¾" × 3 ¾" × 2 ¾"



Junction Box without Hanger Bars **New Construction** 

CAT NO.	SPECIFICATIONS
FLJ332	3 ¾" × 3 ¾" × 2 ¾"

#### Accessories



Hard Wire Adapter

CAT NO.	SPECIFICATIONS
DC V 20	Socket Adapter



4" Hard Wire Adapter

CAT NO.	SPECIFICATIONS	
DC 4 2 0 4	Δ"	

#### Other Compatible Junction Boxes



3 ½" & 4" Octagon Steel Junction Boxes

 $4'' \times 4'' \times 11/2''$ 4" × 4" × 2 1/8" 3 ½" x 3 ½" x 1½"



4" Round Surface **Mount Box** 

4" O.D. x 11/2"



3 1/2" Round Old Work (Non-Metallic)

4 1/4" O.D. x 3 1/2" I.D. x 2 5/8"



3 1/2" & 4" Round New Work (Non-Metallic)

> 4" O.D. x 2 3/16" 3 1/2" O. D x 2 3/4"

### Accessories



#### **Emergency Battery Backup**

CAT NO.	SPECIFICATIONS
VEM EDT	25/// 120/277//

### Koto<sup>™</sup> LED Module Accessories



EP731C 18° Lens EP732C 25° Lens EP733C 38° Lens 60° Lens EP734C \*EP732C, EP733C, EP734C Included



EP735C EP736C EP737C EP738C









#### **Secondary Optics**

Hex Louver L46 Linear Louver L47 Spread Louver Frosted Lens L49 Color Shifter



L50W

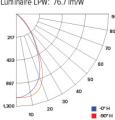
White L50B Black

# Photometric Report

#### Koto™ LED Module

### PHOTOMETRIC REPORT

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



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

CANDLE POWER SUMMARY

#### **ILLUMINANCE AT A DISTANCE**

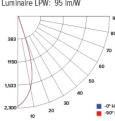
Distance to Target Plane	Center Beam Footcandles	Beam Diameter	
4'	74.1	3.2'	_
6′	32.9	4.8'	_
8′	18.5	6.4'	
10′	11.9	8.0′	

#### **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**

Degress 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**

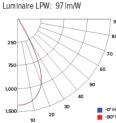
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4′	141	2.6′
6′	62.5	3.9'
8′	35.1	5.2'
10'	22.5	6.5'

#### **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



#### CANDLE POWER SUMMARY

Degress Vertical	0-
0	1455
5	1397
15	1175
25	655
35	306
45	116
55	38
65	16
75	7
85	2

#### **ILLUMINANCE AT A DISTANCE**

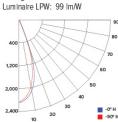
Distance to Target Plane	Center Beam Footcandles	Beam Diameter	
4'	90.9	3.1′	
6′	40.4	4.7'	
8′	22.7	6.3'	
10′	14.5	7.8′	

#### 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

Degress Vertica	il 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'	143	2.6′
6′	63.8	3.9'
8′	35.9	5.2'
10′	23.0	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



# **Dimmer Compatibility Chart**

## Standard Koto™ LED Modules

For ELK07, ELK08CT5, ELK09, ELK10CT5, ELK11 & ELK13 Series

#### For Reference Only

Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility.

Manufacturer	Product	Part Number	Dimmed Light Output Range
Leviton	Decora SureSlide® Single Pole with Slide -to-Off	6672	15% - 100%
	Leviton Dimmer	1K35O2	5% - 100%
Lutron	Vive, 120V, 150W LED/CFL, 600W Incandescent/Halogen, FP, Single Pole/Multi-Location Dimmer, Commercial Application	MRF2S-6CL	12% - 91%
	Panel Model, Commercial/Residential Application, FP	GP (Harrier) Card	10% - 94%
	Grafik QS/Mailbox Power Module, 120/220 to 240V AC, LED/Incandescent/Halogen Load Type, Commercial/Residential Indoor Application, FP	LQRJ-WPM-6P	10% - 95%
	Grafik Eye 3000/HomeWorks, 120V, Incandescent/Fluorescent Load Type, Commercial/Residential Application, FP	HWI-WPM-6D-120	10% - 95%
	Panel Dimming Module, 120V, Commercial/Residential Application, FP	HW/LP-RPM-4U-120	10% - 95%
	Panel Adaptive Dimming Module, 120V, Commercial/Residential Application, FP	HW/LP-RPM-4A-120	9% - 95%
	HomeWorks® QS for CFL/LED loads, 120V, RP, Commercial/Residential Application	LQSE-4A1-D/MQSE-4A1-D/ MQSE-3A1/MQSE-2A1-D	8% - 95%
	Energi Savr Node LED+ Phase Adaptive, Commercial Application, Reverse Phase, (Zone 1) (Zones 2-4)	QSN-4A5-S	8% - 95%
	Energi Savr Node LED+ Phase Adaptive, Commercial Application, Foward Phase, (Zone 1) (Zones 2-4)	QSN-4A5-S	10% - 97%
	RadioRA®2, 120V, 50/60-Hz, 150W LED or 600W Incandescent/Halogen, 3-Way & 4-Way, Residential Application	RRD-6CL	10% - 95%
	RadioRA®3, 120V, 250W LED/CFL or 500W Incandescent/Halogen, Single Pole, Multi-Location	RRST-PRO-N	10% - 95%
	HomeWorks® QS, 120V, 60-Hz, 150W LED/CFL or 600W Incandescent/Halogen/MLV, Residential Application	HQRD-6CL(H2) HQRA-6CL(H2)	10% - 95%
	Homeworks QS, Residential Application, Reverse Phase	LQSE-4A-120-D	8% - 89%
	HomeWorks® for LED/Incandescent/Halogen loads, Reverse Phase, (Zone 1) (Zones 2-4)	LQSE-4A5-120-D	8% - 89%
	HomeWorks® for LED/Incandescent/Halogen loads, Foward Phase, (Zone 1) (Zones 2-4)	LQSE-4A5-120-D	10% - 100%
	Ariadni® C·L Single Pole/3-Way, 150W LED/CFL or 600W Incandescent/Halogen	AYCL-153P	10% - 100%
	Skylark Contour® C-L, Single Pole/3-Way, 150W LED/CFL or 600W Incandescent/Halogen	CTCL-153P	10% - 100%
	Skylark® C·L Single Pole/3-Way, 150W LED/CFL or 600W Incandescent/Halogen	SCL-153P	10% - 100%

Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross refrence that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.







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Manufacturer	Product	Part Number	Dimmed Light Output Range
Lutron	Diva® Series 150W Single Pole/3-Way Dimmer	DVCL-153P	10% - 100%
	Skylark Contour® Single Pole/3-Way 1000W Incandescent/Halogen	CT-103P	10% - 100%
	Skylark® Single Pole 300W ELV Preset Dimmer	SELV-300P	5% - 100%
	Skylark® Single Pole 600W Incandescent/Halogen, Slide-to-Off Dimmer	S-600P	5% - 100%
	Diva® 300W Single Pole/3-Way ELV Dimmer	DVELV-303P	10% - 100%
	Diva® 600W Single Pole Incandescent/Halogen Preset Dimmer	DV-600P	5% - 100%
	Ariadni® 600W Single Pole Magnetic Low Voltage Dimmer	AYLV-600P	5% - 100%
	Ariadni® 600W Single Pole/3-Way Incandescent/Halogen Dimmer	AY-603P	5% - 100%
	Maestro® 600W Single Pole/3-Way ELV Dimmer	MAELV-600	5% - 100%
	Maestro® C·L Single Pole/3-Way Dimmer. 150W Max for LED/CFL or 600W Max for Incandescent/Halogen	MACL-153M	10% - 100%
	Caséta® Wireless Dimmer	PD-6WCL	10% - 100%
SnapOne™	Control4® Centralized 8-Channel Adaptive Phase Dimmer, 120/277V AC, 50/60-Hz, 200W LED, 500W Fluorescent/CFL, 1000W Incandescent/Halogen/ELV/MLV*	C4-DIN-8APD	5% - 100%
	Control4® Centralized 8-Channel Forward Phase Dimmer, 100/120V AC, 50/60-Hz, 200W LED, 500W Fluorescent/CFL, 1000W Incandescent/Halogen/MLV*	C4-DIN-8FPD	25% - 100%
	Control4® Wireless Adaptive Phase Dimmer, 120V AC, 50/60-Hz, 120W LED, 300W Fluorescent/CFL, 600W Incandescent/Halogen	C4-APD120	23% - 100%
*MLV each transformer	Control4® Forward Phase Dimmer, 120V AC, 50/60-Hz, 200W LED, 500W Fluorescent/CFL, 1000W Incandescent/Halogen	C4-FPD120	4% - 100%
must be loaded to at least 50% of its maximum load	Control4® Essential Forward Phase Dimmer, 120V AC, 60-Hz, 300W LED, 300W Fluorescent/CFL, 600W Incandescent/Halogen	C4-V-FPD120	1% - 100%

#### \*NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details

Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.

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