ELCO Lighting

Project name:

Fixture type:

Date:

2″ Koto Sylo™ Wall Mount Downlight

Works with Koto™ Standard LED Module

Features

- Modern Die-Cast aluminum wall mount fixture
- Standard 38° Lens installed, 25° and 60° lens included with each module - Optional: 18º & 90º lenses available.
- Fits 3 ½″ and 4″ Octagon and Round Junction boxes
- Sunset option dims from 3000K to 1800K
- Tunable White option dims from 1800K to 4000K
- Human Centric option dims from 4000K to 2200K
- Title 24 JA8-2022 Compliant
- Life span of 50,000 hours L70

Specifications

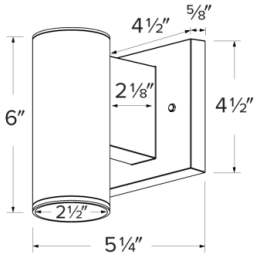
Wattage	10.5W
Lumens	825 lm
Voltage	120V
Color Temp.	2700K, 3000K, 3500K, 4000K, 5000K
Dimmable	Triac/ELV
Lamp Type	LED
Beam Angle	38°
CRI	95
Wet Location	cUL Listed

Options

All White

All Black

Dimensions



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 tool-less trim installation, for use with Koto Sylo™ products only.

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

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.

Human Centric: Human Centric color temperature is our dim-to-warm LED technology that allows the color temperature to become warmer as the product is dimmed. Our HUMAN CENTRIC items start at 4000K and go as low as 2200K when dimmed.

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.

Listings: cUL Listed for Wet Locations. RoHS Compliant. Meets Energy Star & California Title 24 JA8-2022 standards.

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

Product Number Builder

Example: **E25NYW-0324**

Koto Sylo™	Style	Finish	Koto™ Module	Color Temperature	Dimming	Beam Angle
E25						
	NY Wall Mount Downlight	**W** White	**-03** 350 lm (5W) [1, 2]	**24** 2400K	Triac/ELV	38º lens [12]
		B Black	**-07** 750 lm (10.5W)	**27** 2700K	**D** 0-10V/Triac/ELV [11]	**-S** 18º lens
			-08 825 lm (10.5W) [1, 3]	**30** 3000K	**A** DALI 2, 120/277V	**-N** 25º lens
			-08 850 lm (11.5W) [4]	**35** 3500K		**-W** 60º lens
			-09 950 lm (10.5W)	**40** 4000K		**-T** 10º lens [1, 13]
			-10 1000 lm (12.5W) [1, 3]	**SD** Sunset (-09 and -11 only) [5, 6]		**-E** 90º lens [14]
			-11 1150 lm (12.5W)	**HC** Human Centric (-11 only) [7, 8]		
			-13 1350 lm (12.5W)	**C5** 2700K - 5000K [1, 9]		
				4T Tunable White 4000K-1800K [10]		

[1] Available as 120V, Triac/ELV only

[2] Available in 2400K, 2700K & 3000K only

[3] Available with CT5 color temperature only

[4] DALI 2, 120/277V

[5] Available with -09 and -11 lumen outputs only

[6] Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

[7] Available with 1150 lumen (-11) outputs only

[8] Human Centric, Dim to Warm technology, automatically transitions from 4000K to 2200K when dimmed

[9] Available with -08 and -10 lumen outputs only

[10] Available with -AL option only, Dali 2 dimmable Tunable White

[11] Only available for 950 lumens

[12] Includes 25° and 60° lens in the box

[13] Available with 350 and 750 lumen, 2700K and 3000K options only

[14] 90° Frosted Reflector

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Compatible Products

For use with Dedicated **Koto Sylo™ Fixtures**

Junction Boxes for Koto Sylo™ Ceiling Mount Fixtures

3 ½″ & 4″ Octagon
Steel Junction Boxes

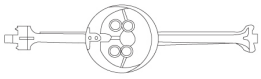
4″ x 4″ x 1 ½″
4″ x 4″ x 2 ⅛″
3 ½″ x 3 ½″ x 1 ½″

4″ Round Surface
Mount Box

4″ O.D. x 1 ½″

3 ½″ Round Old Work
(Non-Metallic)

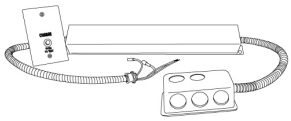
4 ¼″ O.D. x 3 ½″ I.D. x 2 ⅝″



3 ½″ & 4″ Round New Work
(Non-Metallic)

4″ O.D. x 2 3/16″
3 ½″ O. D x 2 ¾″

Accessories



Emergency Battery Backup

CAT NO.	SPECIFICATIONS
KEM-ERT	25W, 120/277V

Koto™ LED Module Accessories

Lens

EP731C	18° Lens
EP732C	25° Lens
EP733C	38° Lens
EP734C	60° Lens

**EP732C, EP733C, EP734C Included*

Reflectors

EP735C	15°
EP736C	25°
EP737C	38°
EP738C	60°

Secondary Optics

L45	Hex Louver
L46	Linear Louver
L47	Spread Louver
L49	Frosted Lens
L51	Color Shifter

Snoot

L50W	White
L50B	Black

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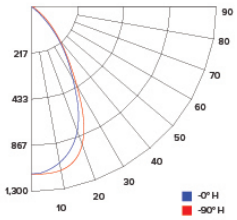
Photometric Report

Koto™ LED Module

PHOTOMETRIC REPORT

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



CANDLE POWER SUMMARY

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

ILLUMINANCE AT A DISTANCE

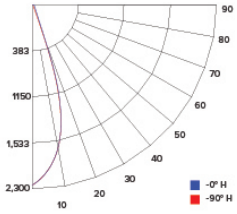
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4′	74.1	3.2′
6′	32.9	4.8′
8′	18.5	6.4′
10′	11.9	8.0′

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

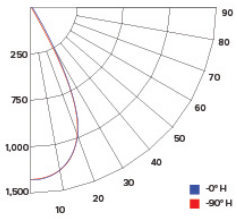
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4′	141	2.6′
6′	62.5	3.9′
8′	35.1	5.2′
10′	22.5	6.5′

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
Luminaire LPW: 97 lm/W



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
90	1

ILLUMINANCE AT A DISTANCE

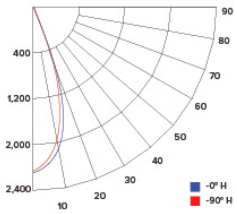
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4′	90.9	3.1′
6′	40.4	4.7′
8′	22.7	6.3′
10′	14.5	7.8′

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 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′	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

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ELCO Lighting

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%
	Control4® Forward Phase Dimmer, 120V AC, 50/60-Hz, 200W LED, 500W Fluorescent/CFL, 1000W Incandescent/Halogen	C4-FPD120	4% - 100%
*MLV each transformer 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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