ELCO Lighting

Project name:

Fixture type:

Date:

3″ Low Voltage Koto Sylo™ Monopoint

Works with 12V AC and 24V DC Koto™ LED Module

Features

- Modern Monopoint Die-Cast aluminum fixture for easy maintenance and upgrades
- Available with 120″ Field Cuttable Cable or Stems (12", 24", 36", 48", 60", 72" and 84")
- Includes Standard 38º lens, with 25º and 60º lenses. Optional: 18° & 90° lenses available.
- Low Voltage fixtures (24V DC and 12V AC options)
- Fits 3 ½″ and 4″ Octagon and Round Junction boxes
- Sunset option dims from 3000K to 1800K
- Energy Star Compliant. Title 24 JA8-2019 Compliant
- Life span of 50,000 hours L70
- **Sunset** with 12V AC LED Module only (12A)

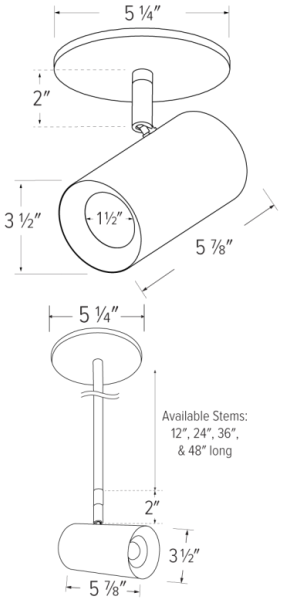
Specifications

Wattage	9W - 10W
Lumens	800 lm
Voltage	12V AC or 24V DC
Color Temp.	2700K - SunsetK
Lamp Type	LED
Beam Angle	25°, 38°, 60°
CRI	95+
Damp Location	cUL Listed

Options

All White **All Black** **All Silver**

Dimensions



Technical Details

Optics: Polycarbonate module lens diffuses light evenly throughout while reducing glare with LED technology.

Construction: Integrated driver and light engine. Diecast aluminum body with heat fins allows for efficient cooling.

Installation: Twist-lock design for toolless trim installation, for use with Koto Sylo™ products only.

Electrical: 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. For Sunset dim technology be sure to order an item with "Sunset" in the Color Temperature (CCT) attribute.

Dimmability: Dims down to 10%. For full list of dimmers, refer to the Dimmer Compatibility List. Industry leading dimming.

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

Product Numbers

2042 E. Vernon Ave., Vernon, CA 90058 • Tel (323) 231-2600 Fax (323) 231-3200 • elcolighting.com
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Item	Lamp type	Lumens	CCT	Watts	Voltage	Beam Angle	Finish
E36MW-0812A27	LED	800 lm	2700K	9W	12V AC	25°, 38°, 60°	All White
E36MW-0812A30	LED	800 lm	3000K	9W	12V AC	25°, 38°, 60°	All White
E36MW-0812ASD	LED	800 lm	SunsetK	9W	12V AC	25°, 38°, 60°	All White
E36MB-0812A27	LED	800 lm	2700K	9W	12V AC	25°, 38°, 60°	All Black
E36MB-0812A30	LED	800 lm	3000K	9W	12V AC	25°, 38°, 60°	All Black
E36MB-0812ASD	LED	800 lm	SunsetK	9W	12V AC	25°, 38°, 60°	All Black
E36MS-0812A27	LED	800 lm	2700K	9W	12V AC	25°, 38°, 60°	All Silver
E36MS-0812A30	LED	800 lm	3000K	9W	12V AC	25°, 38°, 60°	All Silver
E36MS-0812ASD	LED	800 lm	SunsetK	9W	12V AC	25°, 38°, 60°	All Silver
E36MW-0824D27	LED	800 lm	2700K	10W	24V DC	25°, 38°, 60°	All White
E36MW-0824D30	LED	800 lm	3000K	10W	24V DC	25°, 38°, 60°	All White
E36MB-0824D27	LED	800 lm	2700K	10W	24V DC	25°, 38°, 60°	All Black
E36MB-0824D30	LED	800 lm	3000K	10W	24V DC	25°, 38°, 60°	All Black
E36MS-0824D27	LED	800 lm	2700K	10W	24V DC	25°, 38°, 60°	All Silver
E36MS-0824D30	LED	800 lm	3000K	10W	24V DC	25°, 38°, 60°	All Silver

Product Number Builder Example: **E36MW-0812A27**

Koto Sylo™	Style	Finish	Koto™ Module	Voltage	Color Temp.	Beam Angle	Length
E36							
	M Monopoint	**W** All White	**-08** 800 lm (9W-10W)	**12A** 12V AC	**27** 2700K	38º lens [3]	Standard
		B All Black		**24D** 24V DC	**30** 3000K	**-S** 18º lens	**-12** 12" Stem [5]
		S All Silver			**SD** Sunset (12A only) [1, 2]	**-N** 25º lens	**-24** 24" Stem [5]
						-W 60º lens	**-36** 36" Stem [5]
						-T 10º lens	**-48** 48" Stem [5]
						-E 90º lens [4]	**-60** 60" Stem [5]
							-72 72" Stem [5]
							-84 84" Stem [5]

[1] Available in 12A (12V AC) voltage only

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

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

[4] 90° Frosted Reflector

[5] Stem is not field cuttable

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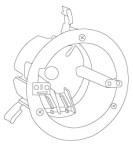
Compatible Products

For use with **Low Voltage Koto Sylo™ Fixtures**

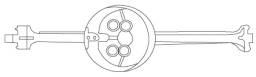
Junction Boxes for Low Voltage Koto Sylo™ Fixtures

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"

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°

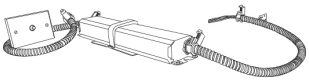
Secondary Optics

L45	Hex Louver
L46	Linear Louver
L47	Spread Louver
L49	Frosted Lens
L51	Color Shifter
L54	Single Asymmetric Herculux Lens
L55	Double Asymmetric Herculux Lens

Snoot

L50W	White
L50B	Black

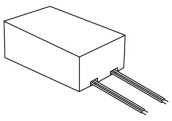
Accessories



Emergency Battery Backup

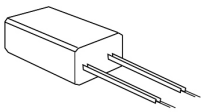
CAT NO.	SPECIFICATIONS
KEM-LD5	25W, 120/277V

12VAC Transformers



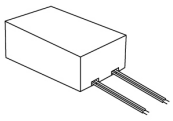
Electronic (No Minimum Load)
Dimmable Driver

CAT NO.	SPECIFICATIONS
LET-60	60W, 120V Input
LET-60-277	60W, 277V Input
LET-60-H	60W, 120V Input, Bottom Lead



0-10V Electronic
Dimmable Driver

CAT NO.	SPECIFICATIONS
LET-60DX	60W, 120V, 0-10V
LET-60DX-277	60W, 277V, 0-10V



Miniature Electronic
Dimmable Driver

CAT NO.	SPECIFICATIONS
LET-75	75W, 12V AC

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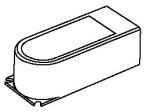
Compatible Products

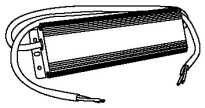
For use with **Low Voltage Koto Sylo™ Fixtures**

24V DC Transformers



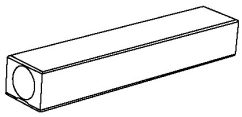
Electronic Low Voltage
Dimmable Driver

CAT NO.	SPECIFICATIONS
DRVE24V60W	60W, 120V Input, 24V DC



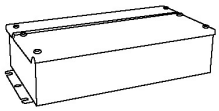
Constant Voltage
LED Driver

CAT NO.	SPECIFICATIONS
DRV100W	100W, 120/277V Input, 24V DC



0-10V
Dimmable Driver

CAT NO.	SPECIFICATIONS
DRV30W-10	30W, 120/277V Input
DRV60W-10	60W, 120/277V Input
DRV96W-10	96W, 120/277V Input



Universal (Small)
Dimming LED Driver

CAT NO.	SPECIFICATIONS
DRVU24V24WD	24W, 24V DC (1A), Triac/ELV/MLV
DRVU24V60WD	60W, 24V DC (2.5A), Triac/ELV/MLV

Universal (Medium)
Dimming LED Driver

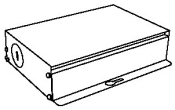
CAT NO.	SPECIFICATIONS
DRVU24V100WD	100W, 24V DC (4A), Triac/ELV/MLV

Universal (Large)
Dimming LED Driver

CAT NO.	SPECIFICATIONS
DRVU24V200WD	200W, 24V DC (8A), Triac/ELV/MLV

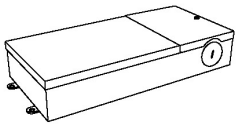
Universal (X-Large)
Dimming LED Driver

CAT NO.	SPECIFICATIONS
DRVU24V300WD	300W, 24V DC (12A), Triac/ELV/MLV



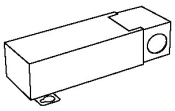
Electronic (Small)
Dimming LED Driver

CAT NO.	SPECIFICATIONS
DRVE24V24DW	24W, 24V (1A), Triac



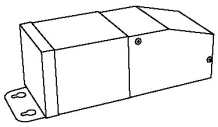
Magnetic (Large)
Dimming LED Driver

CAT NO.	SPECIFICATIONS
DRVE24V48DW	48W, 24V (2A), Triac
DRVE24V60DW	60W, 24V (2.5A), Triac
DRVE24V96DW	96W, 24V (4A), Triac



Magnetic (Small)
Dimming LED Driver

CAT NO.	SPECIFICATIONS
DRVM24V20W	20W, 24V DC
DRVM24V40W	40W, 24V DC



Magnetic (Medium/Large)
Dimming LED Driver

CAT NO.	SPECIFICATIONS
DRVM24V60W	60W, 24V DC
DRVM24V100W	100W, 24V DC
DRVM24V150W	150W, 24V DC
DRVM24V200W	200W, 24V DC
DRVM24V300W	300W, 24V DC

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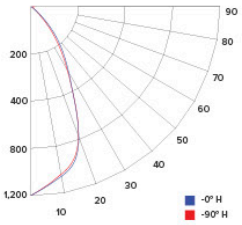
Photometric Report

12V AC Retrofit Koto™ LED Module

PHOTOMETRIC REPORT

Product #: ELK0830-12
Wattage / Lumens: 10W / 971.7 lm
Luminaire LPW: 97 lm/W



CANDLE POWER SUMMARY

Degress Vertical	0°
0	1199
5	1152
15	968
25	540
35	252
45	95
55	31
65	13
75	6
85	2
90	1

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4′	103.3	3.1′
6′	36.4	4.7′
8′	18.7	6.3′
10′	12.6	7.8′

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	565.3	70.6
0-40°	697.3	87.1
0-60°	780.3	97.5
0-90°	796.0	99.4

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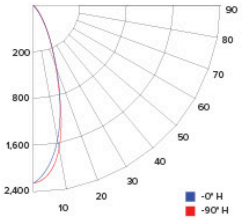
Photometric Report

24V DC Koto™ LED Module

PHOTOMETRIC REPORT

Product #: ELK0827-24 (36°)
Wattage / Lumens: 10W / 860.2 lm
Luminaire LPW: 86 lm/W



CANDLE POWER SUMMARY

Degress Vertical	0°
0	2329
5	2082
15	1212
25	301
35	61
45	35
55	22
65	12
75	5
85	0
90	0

ILLUMINANCE AT A DISTANCE

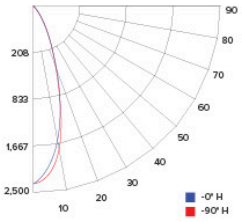
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4′	146	2.4′
6′	64.7	3.5′
8′	36.4	4.7′
10′	23.3	5.9′

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	754.8	87.3
0-40°	806.2	93.2
0-60°	850.3	98.3
0-90°	864.6	100

PHOTOMETRIC REPORT

Product #: ELK0830-24 (36°)
Wattage / Lumens: 10W / 901.2 lm
Luminaire LPW: 90.1 lm/W



CANDLE POWER SUMMARY

Degress Vertical	0°
0	2426
5	2169
15	1262
25	314
35	64
45	37
55	23
65	12
75	6
85	0
90	0

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4′	152	2.4′
6′	67.4	3.5′
8′	37.9	4.7′
10′	24.3	5.9′

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	786.2	87.3
0-40°	839.8	93.2
0-60°	885.7	98.3
0-90°	900.6	100

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