

# 6" Low Voltage Koto Sylo™ Pendant

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



## Features

- Modern 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 38° lens, with 25° and 60° 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 JA8-2022 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         | 90               |

## Options



## 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.

**Emergency Backup:** The fixture becomes 120V only.

**LED Technology:** Extremely accurate Color Rendering Index of 90+. 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

## Dimensions



Product Number Builder

Example: E648PW-0812A27

| Koto Sylo™ | Style          | Finish      | Koto™ Module        | Voltage    | Color Temp.            | Beam Angle    | Length             |
|------------|----------------|-------------|---------------------|------------|------------------------|---------------|--------------------|
| E6         |                |             |                     |            |                        |               |                    |
|            | 48P Fixed      | W All White | -08 800 lm (9W-10W) | 12A 12V AC | 27 2700K               | 38º lens ²    | 120" Cable Mount ⁴ |
|            | 29P Adjustable | B All Black |                     | 24D 24V DC | 30 3000K               | -S 18º lens   | -12 12" Stem ⁵     |
|            |                |             |                     |            | SD 1 Sunset (12A only) | -N 25º lens   | -24 24" Stem ⁵     |
|            |                |             |                     |            |                        | -W 60º lens   | -36 36" Stem ⁵     |
|            |                |             |                     |            |                        | -T 10º lens   | -48 48" Stem ⁵     |
|            |                |             |                     |            |                        | -E 90º lens ³ | -60 60" Stem ⁵     |
|            |                |             |                     |            |                        |               | -72 72" Stem ⁵     |
|            |                |             |                     |            |                        |               | -84 84" Stem ⁵     |

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

² Includes 25° and 60° lens in the box

³ 90° Frosted Reflector

⁴ 120 inch field cuttable cable

⁵ Stem is not field cuttable

# Compatible Products



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

## Junction Boxes for Low Voltage Koto Sylo™ Fixtures



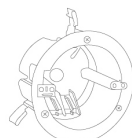
3 1/2" & 4" Octagon  
**Steel Junction Boxes**

4" x 4" x 1 1/2"  
4" x 4" x 2 1/8"  
3 1/2" x 3 1/2" x 1 1/2"



4" Round Surface  
**Mount Box**

4" O.D. x 1 1/2"



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"

## 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**

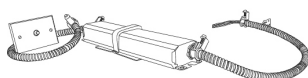
**L45** Hex Louver  
**L46** Linear Louver  
**L47** Spread Louver  
**L49** Frosted Lens  
**L51** Color Shifter  
**L54** Single Asymmetric Herculux Lens  
**L55** Double Asymmetric Herculux Lens



**Snoot**

**L50W** White  
**L50B** Black

## Accessories

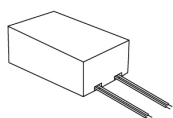


**Emergency Battery Backup**

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
|---------|----------------|

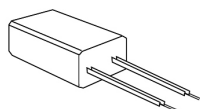
|         |               |
|---------|---------------|
| KEM-LD5 | 25W, 120/277V |
|---------|---------------|

## 12VAC Transformers



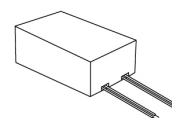
Electronic (No Minimum Load)  
**Dimmable Driver**

| 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**

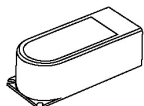
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| LET-75  | 75W, 12V AC    |

# Compatible Products

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

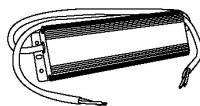


## 24V DC Transformers



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),<br>Triac/ELV/MLV   |
| DRVU24V60WD | 60W, 24V DC (2.5A),<br>Triac/ELV/MLV |



Universal (Medium)  
Dimming LED Driver

| CAT NO.      | SPECIFICATIONS                      |
|--------------|-------------------------------------|
| DRVU24V100WD | 100W, 24V DC (4A),<br>Triac/ELV/MLV |



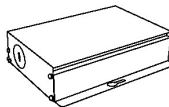
Universal (Large)  
Dimming LED Driver

| CAT NO.      | SPECIFICATIONS                      |
|--------------|-------------------------------------|
| DRVU24V200WD | 200W, 24V DC (8A),<br>Triac/ELV/MLV |



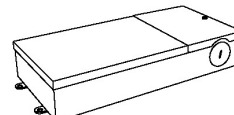
Universal (X-Large)  
Dimming LED Driver

| CAT NO.      | SPECIFICATIONS                       |
|--------------|--------------------------------------|
| DRVU24V300WD | 300W, 24V DC (12A),<br>Triac/ELV/MLV |



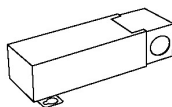
Electronic (Small)  
Dimming LED Driver

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



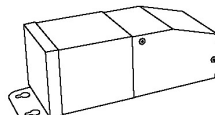
Magnetic (Large)  
Dimming LED Driver

| 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

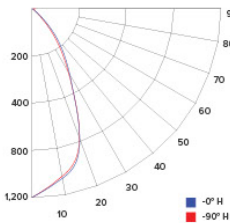
| CAT NO.     | SPECIFICATIONS |
|-------------|----------------|
| DRVM24V60W  | 60W, 24V DC    |
| DRVM24V100W | 100W, 24V DC   |
| DRVM24V150W | 150W, 24V DC   |
| DRVM24V200W | 200W, 24V DC   |
| DRVM24V300W | 300W, 24V DC   |

# 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

| Degree 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

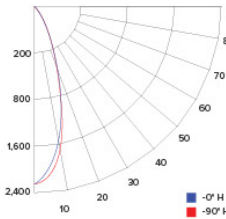
| Zone  | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 565.3  | 70.6       |
| 0-40° | 697.3  | 87.1       |
| 0-60° | 780.3  | 97.5       |
| 0-90° | 796.0  | 99.4       |

# 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

| Degree 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

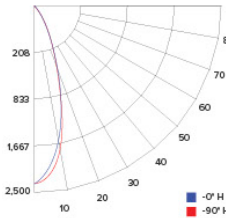
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 146                     | 2.4'          |
| 6'                       | 64.7                    | 3.5'          |
| 8'                       | 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

| Degree 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        |