

| Project name: |  |
|---------------|--|
| Fixture type: |  |
| Date:         |  |

# 2" Koto Sylo™ Track Head

Works with Koto™ Standard LED Module



### **Features**

- Modern Die-Cast aluminum fixture for easy maintenance and upgrades
- Standard Fixtures or Fixtures with Stems (12") available
- Includes Standard 38º lens, with 25º and 60º lenses. Optional:  $15^{\circ}$  and  $18^{\circ}$  lenses available
- Works with Single and Two Circuit Track
- Sunset option dims from 3000K to 1800K
- Human Centric option dims from 4000K to 2200K
- 90° tilt, 358° rotation
- Energy Star Certified. Title 24 JA8-2022 Compliant
- Life span of 50,000 hours L70
- This track head comes standard as H Style. J (Juno) and L (Lightolier) styles are available: For J style please order PJTHI (W/B) with the track head.

For L style please order PLTHI (W/B) with the track

Note these must be factory installed.

### **Specifications**

| Wattage     | 10.5W     |
|-------------|-----------|
| Lumens      | 950 lm    |
| Voltage     | 120V      |
| Color Temp. | 3500K     |
| Dimmable    | Triac/ELV |
| Lamp Type   | LED       |
| Beam Angle  | 38°       |
| CRI         | 95        |

### **Options**



Silver with Stem

#### **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-lock design for toolless 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.

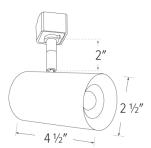
Sunset: Sunset color temperature is our dim-to-warm LED technology that allows the color temperature to become warmer as the product is dimmed. Our SUNSET items start at 3000K and go as low as 1800K when dimmed. For Sunset dim technology be sure to order an item with "Sunset" in the Color Temperature (CCT) attribute. HUMAN CENTRIC start at 4000K and go as low as 2700K when dimmed.

#### **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

#### **Dimensions**



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

**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: RoHS Compliant. Meets Energy Star & California Title 24 JA8-2022 standards.

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

#### **Dimensions with Stem**



### Product Number Builder Example: E25TW-0727

| Koto Sylo™ | Style        | Finish                                       | Koto™ Module   | Color Temp   | Beam Angle  | Length                              |
|------------|--------------|--|--|--|---|-------------------------------------|
| E25        |              |  |  |  |   |                                     |
|            | T Track Head | W All White B All Black S Silver BZ Bronze 1 | -03 350 lm (5W) <sup>2, 3</sup> -07 750 lm (10.5W) -08 825 lm (10.5W) <sup>2, 4</sup> -09 950 lm (10.5W) -10 1000 lm (12.5W) -11 1150 lm (12.5W) -13 1350 lm (12.5W) | 24 2400K 27 2700K 30 3000K 35 3500K 40 4000K SD Sunset (-09 and -11 Only) 5, 6 HC Human Centric (-11 only) 2,7,8 | 38° lens <sup>10</sup> -S 18° lens -N 25° lens -W 60° lens -T 10° <sup>2,11</sup> | Standard -12 12" Stem <sup>12</sup> |
|            |              |  |  | CT5 2700K - 5000K 2,   |   |                                     |

<sup>&</sup>lt;sup>1</sup> Stem not available

<sup>&</sup>lt;sup>2</sup> Available as 120V, Triac/ELV only

<sup>&</sup>lt;sup>3</sup> Available with 2400K, 2700K and 3000K Color Temperature Only

<sup>&</sup>lt;sup>4</sup> Available with CT5 color temperature only

<sup>&</sup>lt;sup>5</sup> Available with -09 and -11 lumen outputs only

<sup>&</sup>lt;sup>6</sup> Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

<sup>&</sup>lt;sup>7</sup> Available with 1150 lumen (-11) outputs only

<sup>&</sup>lt;sup>8</sup> Human Centric, Dim to Warm technology, automatically transitions from 4000K to 2200K when dimmed

<sup>&</sup>lt;sup>9</sup> Available with -08 and -10 lumen outputs only

 $<sup>^{10}</sup>$  Includes 25° and 60° lens in the box

 $<sup>^{\</sup>rm 11}$  Available with 350 and 750 lumen, 2700K and 3000K options only

<sup>12</sup> Stem is not field cuttable

# **Compatible** Products



For use with Dedicated 2" Koto Sylo™ Fixtures

## Koto™LED Module Accessories



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



Reflectors EP735C 15° 25° 38° EP736C EP737C EP738C



L45

L46

L47

L49

L51





Hex Louver

Linear Louver

Spread Louver

Frosted Lens

Color Shifter

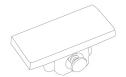


L50W L50B

White Black



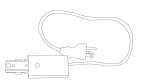
## **Single** Circuit



#### **Dead End**

Dead end cap for single and double circuit track

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP812W  | White          |
| EP812B  | Black          |
| EP812BZ | Bronze         |
| EP812N  | Nickel         |



#### **Cord and Plug Connector**

Cord and Plug Connector for single circuit track. 10 Amp MAX or 1200W. 12 ft. long

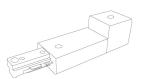
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP850W  | White          |
| EP850B  | Black          |
| EP850BZ | Bronze         |
| EP850N  | Nickel         |



#### **T-Bar Ceiling Feed**

Live feed with outlet box for use with T-bar ceilings

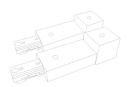
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP817W  | White          |
| EP817B  | Black          |
| EP817BZ | Bronze         |
| EP817N  | Nickel         |



#### **Conduit Connector**

To start a surface run

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP880W  | White          |
| EP880B  | Black          |
| EP880BZ | Bronze         |
| EP880N  | Nickel         |



#### **Conduit Continuation Kit**

Kit includes: (1) Left and (1) Right feed, to continue around obstructions with 1/2" surface conduit

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP979W  | White          |
| EP979B  | Black          |



#### **Dead Mini Connector**

Dead Mini Connector to join two track sections without passing the power

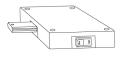
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP825W  | White          |
| EP825B  | Black          |
| EP825BZ | Bronze         |
| EP825N  | Nickel         |



#### **T-Bar Ceiling Feed**

In-line T-bar ceiling feed

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP827W  | White          |
| EP827B  | Black          |
|         |                |



#### Live Feed with Current Limiter

Current Limiter for single circuit track. 1A to 12A available

| CAT NO.     | SPECIFICATIONS   |
|-------------|------------------|
| EP840W-1A   | White \ 1 Amp    |
| EP840W-2A   | White \ 2.5 Amp  |
| EP840W-5A   | White \ 5 Amp    |
| EP840W-7A   | White \ 7.5 Amp  |
| EP840W-10A  | White \ 10 Amp   |
| EP840W-12A  | White \ 12 Amp   |
| EP840B-1A   | Black \1 Amp     |
| EP840B-2A   | Black \ 2.5 Amp  |
| EP840B-5A   | Black \ 5 Amp    |
| EP840B-7A   | Black \ 7.5 Amp  |
| EP840B-10A  | Black \ 10 Amp   |
| EP840B-12A  | Black \ 12 Amp   |
| EP840BZ-1A  | Bronze \ 1 Amp   |
| EP840BZ-2A  | Bronze \ 2.5 Amp |
| EP840BZ-5A  | Bronze \ 5 Amp   |
| EP840BZ-7A  | Bronze \ 7.5 Amp |
| EP840BZ-10A | Bronze \ 10 Amp  |
| EP840BZ-12A | Bronze \ 12 Amp  |



#### In-Line Feed Connector with Current Limiter

Current Limiter for single circuit track. 1A to 12A available

| CAT NO.    | SPECIFICATIONS  |
|------------|-----------------|
| EP841W-1A  | White \1 Amp    |
| EP841W-2A  | White \ 2.5 Amp |
| EP841W-5A  | White \ 5 Amp   |
| EP841W-7A  | White \ 7.5 Amp |
| EP841W-10A | White \ 10 Amp  |
| EP841W-12A | White \ 12 Amp  |
| EP841B-1A  | Black \ 1 Amp   |
| EP841B-2A  | Black \ 2.5 Amp |
| EP841B-5A  | Black \ 5 Amp   |
| EP841B-7A  | Black \ 7.5 Amp |
| EP841B-10A | Black \ 10 Amp  |
| EP841B-12A | Black \ 12 Amp  |
|            |                 |
|            |                 |



## Two Circuit



#### Two Circuit Track

Track supplied with dead end and mounting hardware

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EC002W  | White / 2'     |
| EC004W  | White / 4'     |
| EC006W  | White / 6'     |
| EC008M  | White / 8'     |
| EC012W  | White / 12'    |
| EC002B  | Black / 2'     |
| EC004B  | Black / 4'     |
| EC006B  | Black / 6'     |
| EC008B  | Black / 8'     |
| EC012B  | Black / 12'    |



#### **Live End Connector**

Two circuit live end connector to start a run

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EC801W  | White          |
| EC801B  | Black          |



#### L Connector

Power feedable connector to join two track sections at a 90° angle

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EC804W  | White          |
| EC804B  | Black          |



#### Mini Connector

Mini Connector to join two track sections. Cannot be used as a feed point

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EC808W  | White          |
| EC808B  | Black          |



#### T-Bar Ceiling Feed

Live feed with outlet box for use with T-bar ceilings

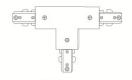
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EC817W  | White          |
| EC817B  | Black          |



#### Flexible Connector

Flexible connector to join two track sections at an angle up to 90°

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EC802W  | White          |
| EC802B  | Black          |



Power feedable connector to join three track sections

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EC805W  | White          |
| EC805B  | Black          |



#### Floating Canopy

Can be used anywhere along length of track to supply power. Includes end cap

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EC809W  | White          |
| EC809B  | Black          |



#### **Straight Connector**

Power feedable connector to join two track sections

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EC803W  | White          |
| EC803B  | Black          |



Power feedable connector to join four track sections

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EC806W  | White          |
| EC806B  | Black          |



#### Dead End

Dead end cap for single and double circuit track

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP812W  | White          |
| EP812B  | Black          |



#### **Conduit Connector**

To start a surface run

| CAT NO. | SPECIFICATIONS |  |
|---------|----------------|--|
| EC880W  | White          |  |
| EC880B  | Black          |  |



## Two Circuit



# Two Circuit Live-End Feed Connector with Current Limiter

1A to 12A available. Separate circuit breaker for each circuit.
Custom current rating available upon request

| CAT NO. | SPECIFICATIONS | CIRC | CUIT 1   | CIRC | CUIT 2   |
|---------|----------------|------|----------|------|----------|
| EC840W  | White          | 1A   | 1 Amp    | 1A   | 1 Amp    |
| EC840B  | Black          | 2A   | 2.5 Amp  | 2A   | 2.5 Amp  |
|         |                | 5A   | 5 Amp    | 5A   | 5 Amp    |
|         |                | 7A   | 7.5 Amp  | 7A   | 7.5 Amp  |
|         |                | 10A  | 10 Amp   | 10A  | 10 Amp   |
|         |                | 12A  | 12.5 Amp | 12A  | 12.5 Amp |



#### Two Circuit In-Line Feed Connector with Current Limiter

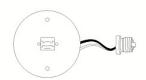
1A to 12A available. Separate circuit breaker for each circuit.

Custom current rating available upon request

| CAT NO. | SPECIFICATIONS | CIRC | UIT 1    | CIRC | CUIT 2   |
|---------|----------------|------|----------|------|----------|
| EC841W  | White          | 1A   | 1 Amp    | 1A   | 1 Amp    |
| EC841B  | Black          | 2A   | 2.5 Amp  | 2A   | 2.5 Amp  |
|         |                | 5A   | 5 Amp    | 5A   | 5 Amp    |
|         |                | 7A   | 7.5 Amp  | 7A   | 7.5 Amp  |
|         |                | 10A  | 10 Amp   | 10A  | 10 Amp   |
|         |                | 12A  | 12.5 Amp | 12A  | 12.5 Amp |



### General



#### **Track Adapter Trim**

For use with standard 6" recessed housings. Allow track lamp holders to be used with recessed intallations. Up to 150W Max. 7 ½" O.D.

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP577W  | White          |
| EP577B  | Black          |



#### **Outlet Adapter**

Outlet Adapter for single circuit and two circuit track

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP814W  | White          |
| EP814B  | Black          |
| EP814BZ | Bronze         |
| EP814N  | Nickel         |



#### L Channel

Support corner connection points in suspended track system. Track sits inside the channel. 16 1/4" long in each side. Support rails for tracks

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP845W  | White          |
| EP845B  | Black          |



#### **Outlet Box Cover**

Outlet box cover. Screws not included. 5" x 5" x 1/8" x 1 1/4" Sq

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP800W  | White          |
| EP800B  | Black          |
| EP800BZ | Bronze         |



#### **Pendant Adapter**

For single circuit and two circuit track with strain relief connector for cord or chain hung fixtures. Holds up to 35 lbs

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP815W  | White          |
| EP815B  | Black          |
| EP815BZ | Bronze         |
| EP815N  | Nickel         |



#### **Dimmer Switch**

Dimmer with ON/OFF switch. For Line Voltage fixtures. 150W MAX. For use with extension wands. Halogen lamps only

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP901W  | White          |
| EP901B  | Black          |



#### **Monopoint Canopy**

Allows any lamp holder (300W MAX.) to be converted to canopy installation. For Line Voltage fixtures

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP811W  | White          |
| EP811B  | Black          |
| EP811BZ | Bronze         |
| EP811N  | Nickel         |



#### Round Monopoint Canopy

For Line Voltage fixtures.  $4 \frac{5}{8}$ " O.D.

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP819W  | White          |
| EP819B  | Black          |
| EP819BZ | Bronze         |
|         |                |



#### Clamp Cord and Plug

Clamp with 6 ft.cord and plug with female track connector for attaching a Line Voltage fixture

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP903W  | White          |
| EP903B  | Black          |



#### Sign Hanger

Sign Hanger with hook for single and double circuit track. Holds up to 25 lbs

| SPECIFICATIONS |
|----------------|
| White          |
| Black          |
| Bronze         |
| Nickel         |
|                |



#### Straight Channel

Provides support for straight connection points in suspended track system. Track sits inside the channel. 16 1/4" long. Support rails for tracks

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP844W  | White          |
| EP844B  | Black          |



#### 48" Steel Stem

For additional pendant length. Includes coupling. Use with EP918, EP924, EP936, and

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP904W  | White          |
| EP904B  | Black          |



### General



#### T-Bar Attachment Clip

Allows track to be attached to inverted T-Bar ceiling. Order as follow: (2) clips for 2' or 4' track, (3) clips for 6' track, (4) clips for 8' or 12' track

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP989B  | Black          |



#### Slope Ceiling Fixture Adapter

Allows use of extension wands on slope ceiling. 0°- 90°

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP906W  | White          |
| EP906B  | Black          |



#### Track Pendant Kit

Track pendant kit with 60" stainless steel cable. 1/16" stranded

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP960W  | White          |
| EP960B  | Black          |



#### Clamp Cord and Track Adapter

Connects to Line Voltage track. Includes female track connector for attaching a Line Voltage fixture

| CAT NO. | SPECIFICATIONS |  |
|---------|----------------|--|
| EP907W  | White          |  |
| EP907B  | Black          |  |



#### **Pendant Assembly**

Suspends track from ceiling. Order as follow: (2) kits for 2' or 4' track, (3) kits for 6' track, (4) kits for 8' track, (5) kits for 12', (1) EP807 per feed

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP918W  | White \ 18"    |
| EP924W  | White \ 24"    |
| EP936W  | White \ 36"    |
| EP948W  | White \ 48"    |
| EP918B  | Black \ 18"    |
| EP924B  | Black \ 24"    |
| EP936B  | Black \ 36"    |
| EP948B  | Black \ 48"    |



#### Sloped Ceiling Pendant Adapter

Sloped Ceiling Pendant adapter for use with EP918, EP924, EP936, and EP948

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP905W  | White          |
| EP905B  | Black          |
|         |                |



#### Wire Cover

Wire cover for power feed through with pendant assembly. One per run. For use with EP918 to EP948

| CAT NO. | SPECIFICATIONS |  |
|---------|----------------|--|
| EP807W  | White          |  |
| EP807B  | Black          |  |
| EP807BZ | Bronze         |  |
| EP807N  | Nickel         |  |
|         |                |  |



#### **Extension Wand**

Line voltage extension wands. Drops head from track

| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| EP881W  | 6"             |
| EP882W  | 12"            |
| EP818W  | 18"            |
| EP824W  | 24"            |
| EP836W  | 36"            |
| EP848W  | 48"            |
| EP881B  | 6"             |
| EP882B  | 12"            |
| EP818B  | 18"            |
| EP824B  | 24"            |
| EP836B  | 36"            |
| EP848B  | 48"            |

# 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    |  |

CANDLE POWER SUMMARY

### ILLUMINANCE AT A DISTANCE

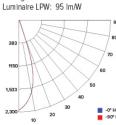
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |   |
|--------------------------|-------------------------|---------------|---|
| 4'                       | 74.1                    | 3.2'          | _ |
| 6′                       | 32.9                    | 4.8'          | _ |
| 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



#### **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    |
| 90               | 1    |

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

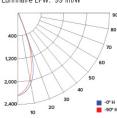
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |  |
|--------------------------|-------------------------|---------------|--|
| 4'                       | 90.9                    | 3.1′          |  |
| 6′                       | 40.4                    | 4.7'          |  |
| 8′                       | 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

| 0°   |
|------|
| 2295 |
| 2215 |
| 1501 |
| 569  |
| 104  |
| 37   |
| 25   |
| 15   |
| 9    |
| 6    |
| 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<br>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,<br>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/<br>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)<br>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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**\$LUTRON** 



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| Manufacturer   | Product   | Part Number | Dimmed Light<br>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<br>must be loaded to at least<br>50% of its maximum load | Control4® Forward Phase Dimmer, 120V AC, 50/60-Hz, 200W LED, 500W Fluorescent/CFL, 1000W Incandescent/Halogen                                     | C4-FPD120   | 4% - 100%                    |
|  | 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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