

# Koto™ LED Module with 5-CCT Switch

Works with 2", 3", 4" & 6" Recessed Housings and Koto™ Trims



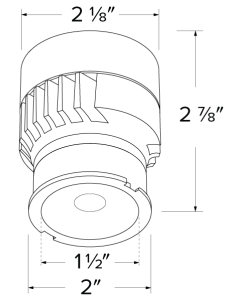
## Features

- 5-CCT Switch allows to choose between 2700K, 3000K, 3500K, 4000K or 5000K
  - Integrated 120V dimmable driver Triac/ELV
  - Excellent color rendering 90+ CRI
  - Works in 2", 3", 4" & 6" ELCO Housings with Koto™ twist-on trims
  - Energy Star Certified. Title 24 JA8-2019 Compliant
  - Standard 38° Lens installed, 25° and 60° lens included with each module - Optional Lens: 18° (EP731C), 90° (EP739C)
  - Optional: Louver (L45), Linear Lens (L46), Spread Lens (L47), Clear Lens (L48), Frosted Lens (L49), White Koto Snoot (L50W), Black Koto Snoot (L50B), Color Shifter (L51), Blue Lens (L52), Pink Lens (L53), Single Asymmetric Lens (L54), Double Asymmetric Lens (L55)
  - Covered by U.S. PATENTS and Patents Pending
- Please note this will not replace static color temperature Koto modules.

## Specifications

|                      |                                   |
|----------------------|-----------------------------------|
| <b>Wattage</b>       | 12.5W                             |
| <b>Lumens</b>        | 1000 lm                           |
| <b>Voltage</b>       | 120V                              |
| <b>Color Temp.</b>   | 2700K, 3000K, 3500K, 4000K, 5000K |
| <b>Dimmable</b>      | Triac/ELV                         |
| <b>Lamp Type</b>     | LED                               |
| <b>Beam Angle</b>    | 90°                               |
| <b>CRI</b>           | 95                                |
| <b>Wet Location</b>  | cUL Listed w/Wet Location Trim    |
| <b>Damp Location</b> | cUL Listed                        |

## Dimensions



## Technical Details

**Optics:** Frosted 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 allow for efficient cooling.

**Installation:** Twist-on design for toolless trim installation, for use with Koto™ trims only. Can be use in 2", 3", 4" & 6" housings with quick connect base.

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

**Delivered Lumens:** Up to 1000 lm/5-CCT Switch

**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 pixilation.

**Dimmability:** Works with 120V Triac and ELV type dimmers. Dims down to 5%. 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. cUL Listed for Wet Location with Wet location trims. RoHS Compliant. Energy Star Certified. Title 24 JA8-2019 Compliant

## Product Number

| Item       | Lamp type | Lumens  | CCT                               | Watts | Voltage | Dimming   | Beam Angle |
|------------|-----------|---------|-----------------------------------|-------|---------|-----------|------------|
| ELK10CT5-E | LED       | 1000 lm | 2700K, 3000K, 3500K, 4000K, 5000K | 12.5W | 120V    | Triac/ELV | 90°        |

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

## Product Number Builder Example: ELK08CT5

Koto™ LED Module

Lumens

Color Temperature

Beam Angle

**ELK**

**08** 825 lm (10.5W)

**10** 1000 lm (12.5W)

**CT5** 2700K - 5000K

38°<sup>1</sup>

**-S** 18°

**-N** 25°

**-W** 60°

**-E** 90°<sup>2</sup>

<sup>1</sup> 38° lens installed. Includes 25° and 60° lens with module.

<sup>2</sup> 90° Frosted Reflector

# Compatible Products

For use with **Koto™ LED Module**

## 2" Koto™ Dedicated LED ICA Housings



2" ICA Maximum Adjustability Housing  
**New Construction**

| CAT NO.  | SPECIFICATIONS        |
|----------|-----------------------|
| EL276ICA | Maximum Adjustability |

## 2" Pex™ Twist-On Trims



**Round Deep Reflector**

**ELK2818**  
Finishes:  
(W, B, H, BB, BZ)



**Round Adjustable Reflector**

**ELK2829**  
Finishes:  
(W, B, H, BB, BZ)



**Round Adjustable Pinhole**

**ELK2827**  
Finishes:  
(W, B, BB, BZ)



**Round Curved Reflector**

**ELK2872**  
Finishes:  
(W, B\*)



**Square Deep Reflector**

**ELK2518**  
Finishes:  
(W, B, BB)



**Square Adjustable Reflector**

**ELK2529**  
Finishes:  
(W, B, BB)



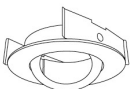
**Square Reflector**

**ELK2541**  
Finishes:  
(W, B, BB)



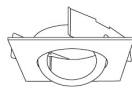
**Square Adjustable Pinhole**

**ELK2527**  
Finishes:  
(W, B, BB)



**Round Gimbal**

**ELK2888**  
Finishes:  
(W, B\*, BZ)



**Square Gimbal**

**ELK2588**  
Finishes:  
(W, B\*, BZ)



**Round Adj. Trimless Reflector**

**ELK215**  
Finishes:  
(W, B\*)



**Trimless Spackle Frame**

**EL2SFR**  
For use with ELK215

Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black w/White Ring, **C** - Chrome w/White Ring, **H** - Haze w/White Ring, **B\*** - All Black (For ELK2872, ELK2888, ELK2588, & ELK215)

# Compatible Products



For use with **Koto™ LED Module**

## 3" Koto™ Dedicated LED ICA Housings



2-Hour Fire Rated 3" ICA Housing  
**New Construction**

| CAT NO.  | SPECIFICATIONS              |
|----------|-----------------------------|
| EL39FICA | 7 1/2" Height - Sound Rated |



3" ICA Maximum Adjustability Housing  
**New Construction**

| CAT NO.  | SPECIFICATIONS        |
|----------|-----------------------|
| EL386ICA | Maximum Adjustability |



3" ICA Housing  
**New Construction**

| CAT NO.      | SPECIFICATIONS                         |
|--------------|--|
| EL390ICA     |  |
| EL390ICA-EM5 | Emergency Battery Back-up (90 minutes) |



3" ICA Housing  
**Remodel**

| CAT NO.  | SPECIFICATIONS |
|----------|----------------|
| EL390ICA |                |

## 3" Pex™ Twist-On Trims



**Round Deep Reflector**  
ELK3618  
Finishes:  
(W, BB, BZ, B, C, H)



**Round Adjustable Gimbal**  
ELK3629  
Finishes:  
(W, BB, BZ, B, C, H)



**Round Adjustable Pinhole**  
ELK3627  
Finishes:  
(B, BB, BZ, B, H)



**Round Adj. Slot Aperture**  
ELK3620  
Finishes:  
(W)



**Round Adj. Wall Wash**  
ELK3622  
Finishes:  
(W)



**Round Regressed Eyeball**  
ELK3653  
Finishes:  
(W, BB, B)



**Round Curved Reflector**  
ELK3672  
Finishes:  
(W, B)



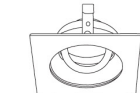
**Round Directional Gimbal**  
ELK3679  
Finishes:  
(W, BB, B, H)



**Round Adjustable Baffle**  
ELK3693  
Finishes:  
(W)



**Square Deep Reflector**  
ELK3318  
Finishes:  
(W, BB, BZ, B, C, H)



**Square Adjustable Reflector**  
ELK3329  
Finishes:  
(W, BB, BZ, B, C, H)



**Square Adj. Wall Wash**  
ELK3322  
Finishes:  
(W)

\*Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black Reflector w/White Ring, **C** - Chrome Reflector w/White Ring, **H** - Haze Reflector w/White Ring



# Compatible Products

For use with **Koto™ LED Module**

## 3" Pex™ Twist-On Trims



**Square Adjustable Pinhole**  
**ELK3327**  
 Finishes:  
 (W, BB, BZ, B, H)



**Square Reflector**  
**ELK3341**  
 Finishes:  
 (W, BB, BZ, B)

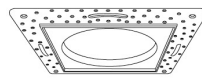


**Square Adjustable Baffle**  
**ELK3393**  
 Finishes:  
 (W)

## 3" Pex™ Flush Mount Trim Adaptors



**Round Flush Mount Trim Adaptor**  
**EL3FMR**  
 Compatible 3" Pex™ Round trims:  
 ELK3618, ELK3629, ELK3627, ELK3693,  
 ELK3620, ELK3622 Series



**Square Flush Mount Trim Adaptor**  
**EL3FMS**  
 Compatible 3" Pex™ Square trims:  
 ELK3318, ELK3329, ELK3322, ELK3327,  
 ELK3341, ELK3393 Series

## 3" Pex™ Trimless



**Round Trimless Reflector**  
**ELK308**  
 Finishes:  
 (W, B, H)



**Round Adjustable Trimless Reflector**  
**ELK315**  
 Finishes:  
 (W, B, H)



**Round Trimless Spackle Frame**  
**EL3SFR**  
 For use with ELK315



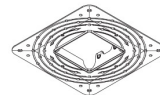
**Round Knife Edge Wood Ceiling Trim w/Mounting Clips**  
**EL3WCR**  
 Finishes:  
 (W, B)



**Square Trimless Reflector**  
**ELK370**  
 Finishes:  
 (W, B, H)



**Square Adjustable Trimless Reflector**  
**ELK381**  
 Finishes:  
 (W, B, H)



**Square Trimless Spackle Frame**  
**EL03SFS**  
 For use with ELK370 & ELK381

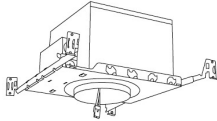
Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black w/White Ring, **C** - Chrome w/White Ring, **H** - Haze w/White Ring, **B\*** - All Black (For ELK315, ELK370, & ELK381)

# Compatible Products



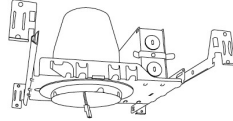
For use with **Koto™ LED Module**

## 4" Koto™ Dedicated LED ICA Housings



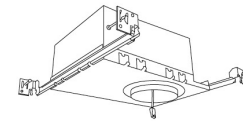
4" ICA Maximum Adjustability Housing  
**New Construction**

| CAT NO.  | SPECIFICATIONS        |
|----------|-----------------------|
| EL485ICA | Maximum Adjustability |



4" ICA Housing  
**New Construction**

| CAT NO.      | SPECIFICATIONS                         |
|--------------|--|
| EL490ICA     | 14W, 120/277V                          |
| EL490ICA-EM5 | Emergency Battery Back-up (90 minutes) |



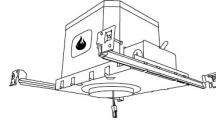
4" R-60 Spray Foam Insulation Housing  
**New Construction**

| CAT NO.    | SPECIFICATIONS   |
|------------|--|
| EL490AJICA | Maximum Adjustability, For use in R60 or Chicago plenum applications |



4" ICA Housing  
**Remodel**

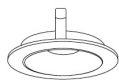
| CAT NO.   | SPECIFICATIONS |
|-----------|----------------|
| EL490RICA | 14W, 120V      |



2-Hour Fire Rated 4" ICA Housing  
**New Construction**

| CAT NO.  | SPECIFICATIONS             |
|----------|----------------------------|
| EL48FICA | 7 1/2" Height, Sound Rated |

## 4" Pex™ Twist-On Trims



**Shallow Reflector**  
**ELK4116**  
Finishes:  
(W, H)



**Deep Reflector**  
**ELK4118**  
Finishes:  
(W, BB, BZ, B, C, H)



**Adjustable Reflector**  
**ELK4129**  
Finishes:  
(W, BB, BZ, B, C, H)



**Adjustable Reflector with Clear Glass**  
**ELK4111**  
Finishes:  
(W, BB, BZ, B, C, H)



**Adjustable Reflector with Frosted Lens**  
**ELK4112**  
Finishes:  
(W, BB, BZ, B, C, H)



**Rotatable Slot Aperture**  
**ELK4120**  
Finishes:  
(W)



**Adjustable Wall Wash**  
**ELK4122**  
Finishes:  
(W)



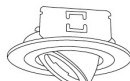
**Adjustable Pinhole**  
**ELK4127**  
Finishes:  
(W, BB, BZ, B, H)



**Adjustable Pinhole with Frosted Glass**  
**ELK4125**  
Finishes:  
(W, BB, BZ, B, H)



**Slot Aperture**  
**ELK4130**  
Finishes:  
(W)



**Adjustable Spot**  
**ELK4188**  
Finishes:  
(W, B, BZ)



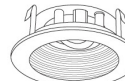
**Regressed Eyeball**  
**ELK4153**  
Finishes:  
(W, BB, B)



**Curved Reflector**  
**ELK4172**  
Finishes:  
(W, B)



**Directional Gimbal**  
**ELK4179**  
Finishes:  
(W, BB, B, H)



**Adjustable Baffle**  
**ELK4193**  
Finishes:  
(W, BB, B)

Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black w/White Ring, **C** - Chrome w/White Ring, **H** - Haze w/White Ring, **B\*** - All Black (For ELK4188, ELK4172, & ELK4284)

# Compatible Products

For use with **Koto™ LED Module**

## 4" Pex™ Twist-On Trims



**Shallow Reflector**

**ELK4216**  
Finishes:  
(W, H)



**Deep Reflector**

**ELK4218**  
Finishes:  
(W, BB, BZ, B, C, H)



**Adjustable Gimbal**

**ELK4229**  
Finishes:  
(W, BB, BZ, B, C, H)



**Adjustable Slot Rotatable Aperture**

**ELK4220**  
Finishes:  
(W)



**Adjustable Wall Wash**

**ELK4222**  
Finishes:  
(W)



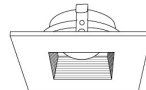
**Adjustable Pinhole**

**ELK4227**  
Finishes:  
(W, BB, BZ, B, C, H)



**Adjustable Reflector**

**ELK4282**  
Finishes:  
(W, BZ)



**Adjustable Baffle**

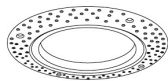
**ELK4284**  
Finishes:  
(W, B, BZ)



**Adj. Phenolic Baffle**

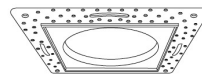
**ELK4293**  
Finishes:  
(W, BB, B)

## 4" Pex™ Flush Mount Trim Adaptors



**Round Flush Mount Trim Adaptor**

**EL4FMR**  
Compatible 3" Pex™ Round trims:  
ELK4116, ELK4118, ELK4127, ELK4129,  
ELK4710, ELK4713, ELK4715 Series



**Square Flush Mount Trim Adaptor**

**EL4FMS**  
Compatible 3" Pex™ Square trims:  
ELK4216, ELK4218, ELK4227,  
ELK4229 Series

## 4" Pex™ Trimless



**Round Trimless Reflector**

**ELK408**  
Finishes:  
(W, B, H, BZ)



**Round Adj. Trimless Reflector**

**ELK415**  
Finishes:  
(W, B, H, BZ)



**Round Trimless Spackle Frame**

**EL4SFR**  
For use with ELK408 & ELK415



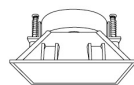
**Smooth Reflector**

**ELK430**  
Finishes:  
(W, B, BZ)



**Baffle**

**ELK434**  
Finishes:  
(W, B, BZ)



**Square Trimless Reflector**

**ELK445**  
Finishes:  
(W, B, H)



**Square Trimless Adj. Reflector**

**ELK459**  
Finishes:  
(W, B, H)



**Square Trimless Spackle Frame**

**EL4SFS**  
For use with ELK445 & ELK459

Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black w/White Ring, **C** - Chrome w/White Ring, **H** - Haze w/White Ring, **B\*** - All Black (For ELK408, ELK415, ELK434, ELK445, ELK459)

# Compatible Products



For use with **Koto™ LED Module**

## 4" Flexa™ Twist-On Trims



**Round Reflector**

**ELK4721**  
 Finishes:  
 (WW, BB, BZBZ,  
 BW, CW, HW)



**Round Baffle**

**ELK4723**  
 Finishes:  
 (WW, BB, BZBZ, BW)



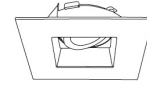
**Square Reflector**

**ELK4741**  
 Finishes:  
 (WW, BB, BZBZ,  
 BW, HW)  
*\*Not for Remodel Housing*



**Square Baffle**

**ELK4743**  
 Finishes:  
 (WW, BB, BZBZ, BW)  
*\*Not for Remodel Housing*



**Square Adj. Reflector**

**ELK4759**  
 Finishes:  
 (WW, BB, B, H)  
*\*Not for Remodel Housing*

## 4" Unique™ Twist-On Trims



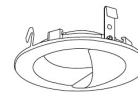
**Round Adjustable Reflector**

**ELK4710**  
 Finishes:  
 (W, B, BZ)



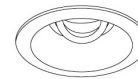
**Round Adjustable Baffle**

**ELK4713**  
 Finishes:  
 (W, BZ)



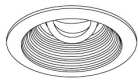
**Round Wall Wash**

**ELK4715**  
 Finishes:  
 (W, BZ)



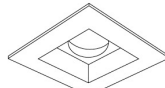
**Round Adj. Deep Reflector**

**ELK4717**  
 Finishes:  
 (W, BZ)



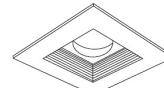
**Round Adj. Deep Baffle**

**ELK4719**  
 Finishes:  
 (W)



**Square Reflector**

**ELK4714**  
 Finishes:  
 (W, B, BZ)  
*\*Not for Remodel Housing*



**Square Baffle**

**ELK4716**  
 Finishes:  
 (W, BZ)  
*\*Not for Remodel Housing*

\*Finishes: **W** - All White, **WW** - All White, **B** - Black Reflector w/White Ring, **C** - Chrome Reflector w/White Ring, **H** - Haze Reflector w/White Ring, **BB** - All Black, **BZ** - All Bronze, **CC** - All Chrome, **BZBZ** - All Bronze, **BW** - Black Reflector w/White Ring, **CW** - Chrome Reflector w/White Ring, **CN** - Chrome Reflector w/Nickel Ring, **HW** - Haze Reflector w/White Ring

# Compatible Products

For use with **Koto™ LED Module**

## 6" Koto™ Dedicated LED ICA Housings



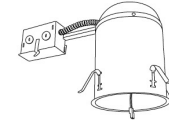
2-Hour Fire Rated 6" ICA Housing  
**New Construction**

| CAT NO.  | SPECIFICATIONS |
|----------|----------------|
| EL76FICA | 7 3/4" Height  |



6" Standard ICA Housing  
**New Construction**

| CAT NO.  | SPECIFICATIONS |
|----------|----------------|
| EL770ICA | 7 1/2" Height  |



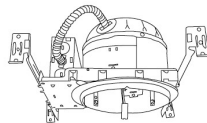
6" Standard ICA Housing  
**Remodel**

| CAT NO.   | SPECIFICATIONS |
|-----------|----------------|
| EL770RICA | 7 1/2" Height  |



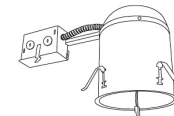
2-Hour Shallow Fire Rated 6" ICA Housing  
**New Construction**

| CAT NO.   | SPECIFICATIONS |
|-----------|----------------|
| EL75FICAS | 6 3/16" Height |



6" Shallow ICA Housing  
**New Construction**

| CAT NO.  | SPECIFICATIONS |
|----------|----------------|
| EL760ICA | 5 1/2" Height  |



6" Shallow ICA Housing  
**Remodel**

| CAT NO.   | SPECIFICATIONS |
|-----------|----------------|
| EL760RICA | 5 1/2" Height  |

## 5" & 6" Pex™ Twist-On Trims



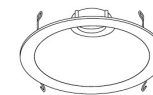
**5" Round Reflector**  
ELK5421  
Finishes:  
**(W)**



**5" Round Baffle**  
ELK5493  
Finishes:  
**(W)**



**6" Round Reflector**  
ELK6418  
Finishes:  
**(W, BB, BZ, H)**



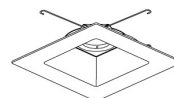
**6" Round Adj. Reflector**  
ELK6429  
Finishes:  
**(W, BB, BZ, H)**



**6" Round Adj. Slot Aperture**  
ELK6420W  
Finishes:  
**(W)**



**6" Round Adj. Pinhole Reflector**  
ELK6427  
Finishes:  
**(W, B, H)**



**6" Square Adj. Reflector**  
ELK6829  
Finishes:  
**(W, BB, H)**

\*Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black Reflector w/White Ring, **C** - Chrome Reflector w/White Ring, **H** - Haze Reflector w/White Ring

# Compatible Products

For use with **Koto™ LED Module**

## 6" Flexa™ Twist-On Trims

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**6" Round Reflector**

**ELK610**

Finishes:

(WW, BB, BZBZ, CC, BW, CW, HW)



**6" Round Adjustable Reflector**

**ELK629**

Finishes:

(WW, BB, BZBZ, BW, CW, HW)



**6" Round Adjustable Baffle**

**ELK693**

Finishes:

(WW, BB, BZBZ, BW)

## 6" Unique™ Twist-On Trims

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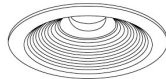


**6" Round Reflector**

**ELK6710**

Finishes:

(W, B, BZ)



**6" Round Baffle**

**ELK6713**

Finishes:

(W, BZ)



**6" Round Wall Wash**

**ELK6715**

Finishes:

(W, BZ)

Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black w/White Ring, **C** - Chrome w/White Ring, **H** - Haze w/White Ring, **B\*** - All Black (For ELK6710, ELK6713, ELK6715)

# Compatible Products

For use with **Koto™ LED Module**

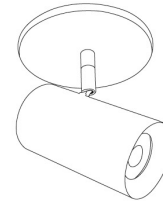
## 2" Koto Sylo™ Build-Your-Own

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2" Koto Sylo Housing  
**Surface Mount**

| CAT NO.  | SPECIFICATIONS |
|----------|----------------|
| EKS25SFW | White Finish   |
| EKS25SFB | Black Finish   |
| EKS25SFS | Silver Finish  |



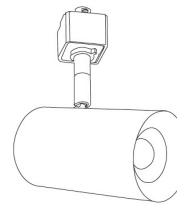
2" Koto Sylo Housing  
**Monopoint**

| CAT NO.  | SPECIFICATIONS |
|----------|----------------|
| EKS25MPW | White Finish   |
| EKS25MPB | Black Finish   |
| EKS25MPS | Silver Finish  |



2" Koto Sylo Housing  
**Pendant**

| CAT NO.  | SPECIFICATIONS |
|----------|----------------|
| EKS25PDW | White Finish   |
| EKS25PDB | Black Finish   |
| EKS25PDS | Silver Finish  |



2" Koto Sylo Housing  
**Surface Mount**

| CAT NO.  | SPECIFICATIONS |
|----------|----------------|
| EKS25TRW | White Finish   |
| EKS25TRB | Black Finish   |
| EKS25TRS | Silver Finish  |

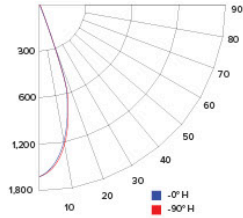


# Photometric Report

## Koto™ LED Module

### PHOTOMETRIC REPORT

Product #: ELK08CT5 @2700K  
Wattage / Lumens: 10.6W / 729.1 lm  
Luminaire LPW: 68.7 lm/W



### CANDLE POWER SUMMARY

| Degree Vertical | 0°   |
|-----------------|------|
| 0               | 1700 |
| 5               | 1530 |
| 15              | 868  |
| 25              | 246  |
| 35              | 56   |
| 45              | 24   |
| 55              | 12   |
| 65              | 5    |
| 75              | 1    |
| 85              | 1    |
| 90              | 1    |

### ILLUMINANCE AT A DISTANCE

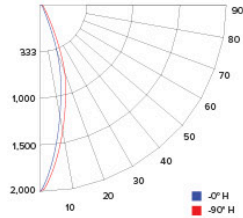
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 106.2                   | 2.6'          |
| 6'                       | 47.2                    | 3.9'          |
| 8'                       | 26.5                    | 5.1'          |
| 10'                      | 17.0                    | 6.4'          |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 617.9  | 84.8       |
| 0-40° | 674.3  | 92.5       |
| 0-60° | 709.6  | 97.4       |
| 0-90° | 718.9  | 98.7       |

### PHOTOMETRIC REPORT

Product #: ELK08CT5 @3000K  
Wattage / Lumens: 10.1W / 887.3 lm  
Luminaire LPW: 87.8 lm/W



### CANDLE POWER SUMMARY

| Degree Vertical | 0°   |
|-----------------|------|
| 0               | 1904 |
| 5               | 1681 |
| 15              | 902  |
| 25              | 250  |
| 35              | 61   |
| 45              | 30   |
| 55              | 17   |
| 65              | 10   |
| 75              | 6    |
| 85              | 6    |
| 90              | 6    |

### ILLUMINANCE AT A DISTANCE

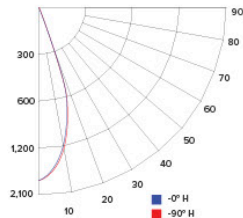
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 119                     | 2.5'          |
| 6'                       | 52.8                    | 3.8'          |
| 8'                       | 29.7                    | 5.1'          |
| 10'                      | 19.0                    | 6.3'          |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 702.7  | 79.2       |
| 0-40° | 771.5  | 87         |
| 0-60° | 819.9  | 92.5       |
| 0-90° | 845.8  | 95.4       |

### PHOTOMETRIC REPORT

Product #: ELK08CT5 @3500K  
Wattage / Lumens: 10.19W / 902.5 lm  
Luminaire LPW: 88.5 lm/W



### CANDLE POWER SUMMARY

| Degree Vertical | 0°   |
|-----------------|------|
| 0               | 1999 |
| 5               | 1840 |
| 15              | 1126 |
| 25              | 372  |
| 35              | 83   |
| 45              | 35   |
| 55              | 20   |
| 65              | 11   |
| 75              | 7    |
| 85              | 6    |
| 90              | 6    |

### ILLUMINANCE AT A DISTANCE

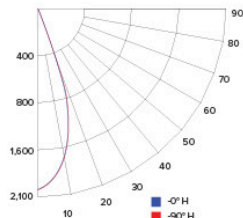
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 124.9                   | 2.6'          |
| 6'                       | 55.5                    | 3.8'          |
| 8'                       | 31.2                    | 5.1'          |
| 10'                      | 20.0                    | 6.4'          |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 720.4  | 79.9       |
| 0-40° | 786.4  | 87.2       |
| 0-60° | 835.1  | 92.6       |
| 0-90° | 860.9  | 95.4       |

### PHOTOMETRIC REPORT

Product #: ELK08CT5 @4000K  
Wattage / Lumens: 10.4 W / 921 lm  
Luminaire LPW: 88.5 lm/W



### CANDLE POWER SUMMARY

| Degree Vertical | 0°   |
|-----------------|------|
| 0               | 2025 |
| 5               | 1902 |
| 15              | 1198 |
| 25              | 409  |
| 35              | 90   |
| 45              | 36   |
| 55              | 21   |
| 65              | 13   |
| 75              | 8    |
| 85              | 7    |
| 90              | 7    |

### ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 126.5                   | 2.6'          |
| 6'                       | 56.2                    | 3.9'          |
| 8'                       | 31.6                    | 5.2'          |
| 10'                      | 20.25                   | 6.5'          |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 729.7  | 79.3       |
| 0-40° | 797.3  | 86.6       |
| 0-60° | 847.7  | 92.1       |
| 0-90° | 875.5  | 95.1       |

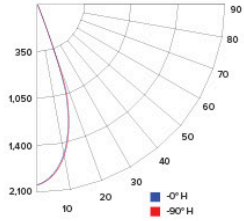


# Photometric Report

## Koto™ LED Module

### PHOTOMETRIC REPORT

Product #: ELK08CT5 @5000K  
Wattage / Lumens: 10.6 W / 930.9 lm  
Luminaire LPW: 87.8 lm/W



### CANDLE POWER SUMMARY

| Degress Vertical | 0°   |
|------------------|------|
| 0                | 1984 |
| 5                | 1790 |
| 15               | 1039 |
| 25               | 319  |
| 35               | 73   |
| 45               | 34   |
| 55               | 19   |
| 65               | 11   |
| 75               | 7    |
| 85               | 6    |
| 90               | 6    |

### ILLUMINANCE AT A DISTANCE

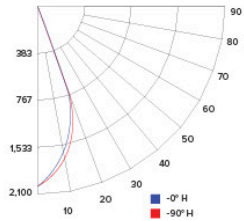
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 124                     | 2.6'          |
| 6'                       | 55.1                    | 4.0'          |
| 8'                       | 31.0                    | 5.3'          |
| 10'                      | 19.8                    | 6.6'          |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 737.6  | 79.3       |
| 0-40° | 810.6  | 87.1       |
| 0-60° | 861.3  | 92.6       |
| 0-90° | 888.0  | 95.4       |

### PHOTOMETRIC REPORT

Product #: ELK10CT5 @2700K  
Wattage / Lumens: 12.6W / 908.8 lm  
Luminaire LPW: 72 lm/W



### CANDLE POWER SUMMARY

| Degress Vertical | 0°   |
|------------------|------|
| 0                | 2015 |
| 5                | 1833 |
| 15               | 1076 |
| 25               | 313  |
| 35               | 69   |
| 45               | 31   |
| 55               | 17   |
| 65               | 9    |
| 75               | 5    |
| 85               | 4    |
| 90               | 4    |

### ILLUMINANCE AT A DISTANCE

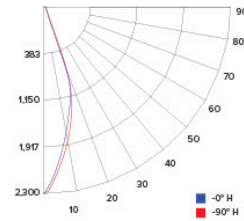
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 125.9                   | 2.6'          |
| 6'                       | 55.9                    | 4.0'          |
| 8'                       | 31.4                    | 5.3'          |
| 10'                      | 20.1                    | 6.6'          |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 741.7  | 81.7       |
| 0-40° | 811.0  | 89.3       |
| 0-60° | 858.8  | 94.5       |
| 0-90° | 879.3  | 96.8       |

### PHOTOMETRIC REPORT

Product #: ELK10CT5 @3000K  
Wattage / Lumens: 12W / 1013.2 lm  
Luminaire LPW: 84.4 lm/W



### CANDLE POWER SUMMARY

| Degress Vertical | 0°   |
|------------------|------|
| 0                | 2241 |
| 5                | 2012 |
| 15               | 1152 |
| 25               | 341  |
| 35               | 77   |
| 45               | 35   |
| 55               | 20   |
| 65               | 11   |
| 75               | 7    |
| 85               | 5    |
| 90               | 6    |

### ILLUMINANCE AT A DISTANCE

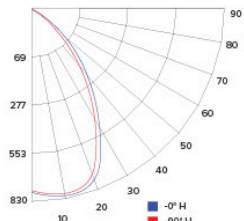
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 140                     | 2.6'          |
| 6'                       | 62.2                    | 3.8'          |
| 8'                       | 35.0                    | 5.1'          |
| 10'                      | 22.4                    | 6.4'          |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 816.5  | 80.6       |
| 0-40° | 893.2  | 88.2       |
| 0-60° | 947.2  | 93.5       |
| 0-90° | 973.3  | 96.1       |

### PHOTOMETRIC REPORT

Product #: ELK10CT5-W @3000K  
Wattage / Lumens: 12W / 1013.2 lm  
Luminaire LPW: 84.4 lm/W



### CANDLE POWER SUMMARY

| Degress Vertical | 0°  |
|------------------|-----|
| 0                | 803 |
| 5                | 816 |
| 15               | 812 |
| 25               | 656 |
| 35               | 409 |
| 45               | 202 |
| 55               | 73  |
| 65               | 22  |
| 75               | 8   |
| 85               | 2   |
| 90               | 2   |

### ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 50.2                    | 4.9'          |
| 6'                       | 22.3                    | 7.4'          |
| 8'                       | 12.5                    | 9.8'          |
| 10'                      | 8.03                    | 12.3'         |

### ZONAL LUMEN SUMMARY

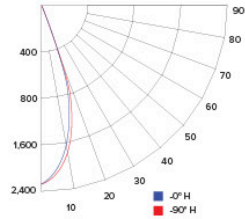
| Zone  | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 577.9  | 58         |
| 0-40° | 797.8  | 80.1       |
| 0-60° | 971.5  | 97.5       |
| 0-90° | 996.1  | 100        |

# Photometric Report

## Koto™ LED Module

### PHOTOMETRIC REPORT

Product #: ELK10CT5 @3500K  
 Wattage / Lumens: 11.9W / 1039.2 lm  
 Luminaire LPW: 87.3 lm/W



### CANDLE POWER SUMMARY

| Degree Vertical | 0°   |
|-----------------|------|
| 0               | 2331 |
| 5               | 2126 |
| 15              | 1257 |
| 25              | 390  |
| 35              | 89   |
| 45              | 37   |
| 55              | 20   |
| 65              | 11   |
| 75              | 6    |
| 85              | 5    |
| 90              | 5    |

### ILLUMINANCE AT A DISTANCE

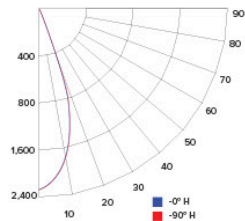
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 145.6                   | 2.6'          |
| 6'                       | 64.7                    | 3.9'          |
| 8'                       | 36.4                    | 5.2'          |
| 10'                      | 23.3                    | 6.4'          |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens  | %Luminaire |
|-------|---------|------------|
| 0-30° | 842.3   | 81.1       |
| 0-40° | 919.7   | 88.5       |
| 0-60° | 974.8   | 93.8       |
| 0-90° | 1,000.8 | 96.4       |

### PHOTOMETRIC REPORT

Product #: ELK10CT5 @4000K  
 Wattage / Lumens: 12.19W / 1043.6 lm  
 Luminaire LPW: 85.6 lm/W



### CANDLE POWER SUMMARY

| Degree Vertical | 0°   |
|-----------------|------|
| 0               | 2348 |
| 5               | 2177 |
| 15              | 1349 |
| 25              | 455  |
| 35              | 101  |
| 45              | 41   |
| 55              | 22   |
| 65              | 12   |
| 75              | 7    |
| 85              | 5    |
| 90              | 5    |

### ILLUMINANCE AT A DISTANCE

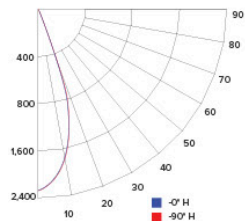
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 146.7                   | 2.6'          |
| 6'                       | 65.2                    | 3.9'          |
| 8'                       | 36.6                    | 5.2'          |
| 10'                      | 23.4                    | 6.5'          |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens  | %Luminaire |
|-------|---------|------------|
| 0-30° | 849.4   | 81.4       |
| 0-40° | 926.5   | 88.8       |
| 0-60° | 981.4   | 94.1       |
| 0-90° | 1,006.3 | 96.5       |

### PHOTOMETRIC REPORT

Product #: ELK10CT5 @5000K  
 Wattage / Lumens: 12.3W / 1032.7 lm  
 Luminaire LPW: 83.9 lm/W



### CANDLE POWER SUMMARY

| Degree Vertical | 0°   |
|-----------------|------|
| 0               | 2297 |
| 5               | 2078 |
| 15              | 1210 |
| 25              | 368  |
| 35              | 79   |
| 45              | 36   |
| 55              | 20   |
| 65              | 11   |
| 75              | 6    |
| 85              | 5    |
| 90              | 5    |

### ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4'                       | 143.5                   | 2.6'          |
| 6'                       | 63.8                    | 3.9'          |
| 8'                       | 35.8                    | 5.2'          |
| 10'                      | 22.9                    | 6.5'          |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 837.9  | 81.2       |
| 0-40° | 917.0  | 88.8       |
| 0-60° | 971.5  | 94.1       |
| 0-90° | 996.1  | 96.5       |



**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  | 1K3502  | 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/<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, Forward 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, Forward 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 reference 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%                 |
|  | Control4® Essential Forward Phase Dimmer, 120V AC, 60-Hz, 300W LED, 300W Fluorescent/CFL, 600W Incandescent/Halogen                               | C4-V-FPD120 | 1% - 100%                 |
| *MLV each transformer must be loaded to at least 50% of its maximum load |   |             |                           |

**\*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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