

Koto™ LED Module

Works with 2", 3", 4", 5" & 6" Recessed Housings and Koto™ Trims



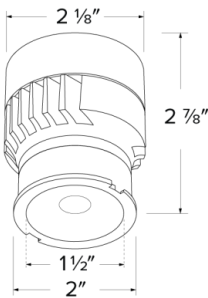
Features

- Integrated 120V Dimmable Driver Triac/ELV
- Excellent color rendering 95+ CRI
- Sunset Module ELK09SD & ELK11SD starts from 3000K and dims to 1800K
- Human Centric Module ELK11HC starts from 4000K and dims to 2200K
- Works in 2", 3", 4" and 6" ELCO housings with Koto™ twist-on
- Energy Star Certified
- Title 24 JA8-2019 Compliant
- Standard 38° Lens installed, 25° and 60° lens included with each module - Optional Lens: 18° (EP731C).
- Optional: Louver (L45), Linear Lens (L46), Spread Lens (L47), Clear Lens (L48), Frosted Lens (L49), Snoot (L50), Color Shifter (L51)
- Covered by U.S. PATENTS and Patents Pending

Specifications

| | |
|---------------|--------------------------------|
| Wattage | 10W |
| Lumens | 860 lm |
| Voltage | 120V |
| Color Temp. | 4000K |
| Dimmable | Triac/ELV |
| Lamp Type | LED |
| Beam Angle | 38° |
| CRI | 95 |
| Wet Location | cUL Listed w/Wet Location Trim |
| Damp Location | cUL Listed |

Dimensions



Technical Details

Optics: Frosted polycarbonate module lens diffuses light evenly throughout while reducing glare with LED technology. Standard lens is shatterproof.

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

Installation: Twist-lock design for toolless trim installation, for use with Koto™ trims only. Can be use in 2", 3", 4", 5" and 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.

Operating Temperature: 0°F - 200°F of operating temperature.

Delivered Lumens: ELK0724 730 lm/2400K ELK0727 770 lm/2700K ELK0730 800 lm/3000K ELK0735 830 lm/3500K ELK0740 860 lm/4000K

ELK0924 900 lm/2400K ELK0927 940 lm/2700K ELK0930 990 lm/3000K ELK0935 1040 lm/3500K ELK0940 1100 lm/4000K ELK09SD 940 lm/Sunset

ELK1124 1060 lm/2400K ELK1127 1100 lm/2700K ELK1130 1150 lm/3000K ELK1135 1200 lm/3500K ELK1140 1260 lm/4000K ELK11SD 1050 lm/Sunset ELK11HC 1050 lm/Human Centric

ELK1327 1250 lm/2700K ELK1330 1300 lm/3000K ELK1335 1350 lm/3500K ELK1340 1400 lm/4000K

LED Technology: Extremely accurate Color Rendering Index of 95+. Lumen Maintaine 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.

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: 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. Meets Energy Star & California Title 24 JA8-2019 standards.

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

Product Number Builder Example: **ELK0724**

| Koto™ LED Module | Lumens | Color Temp. | Beam Angle |
|------------------|--------------------|----------------------------------|------------------|
| ELK | | | |
| | 07 750 lm (10.5W) | 24 2400K | 38° ⁵ |
| | 09 950 lm (10.5W) | 27 2700K | -S 18° |
| | 11 1150 lm (12.5W) | 30 3000K | -N 25° |
| | 13 1350 lm (12.5W) | 35 3500K | -W 60° |
| | | 40 4000K | |
| | | SD Sunset ^{1, 2} | |
| | | HC Human Centric ^{3, 4} | |

¹ Available with ELK09 and ELK11 lumen outputs only

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

³ Available with ELK11 lumen outputs only

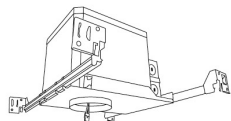
⁴ Human Centric, Dim to Warm technology, automatically transitions from 4000K to 2200K when dimmed

⁵ 38° lens installed. Includes 25° and 60° lens with module.

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)



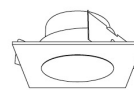
Round Adjustable Reflector

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



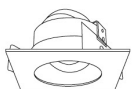
Round Adjustable Pinhole

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



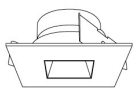
Square Deep Reflector

ELK2518
Finishes:
(W, B, BB)



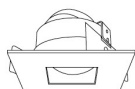
Square Adjustable Reflector

ELK2529
Finishes:
(W, B, BB)



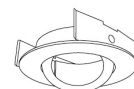
Square Reflector

ELK2541
Finishes:
(W, B, BB)



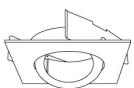
Square Adjustable Pinhole

ELK2527
Finishes:
(W, B, BB)



Round Gimbal

ELK2888
Finishes:
(W, B, BZ)



Square Gimbal
ELK2588
Finishes:
(W, BZ)

Compatible Products



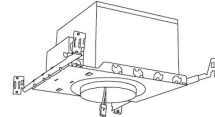
For use with **Koto™ LED Module**

3" Koto™ Dedicated LED ICA Housings



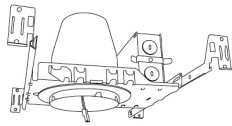
2-Hour Fire Rated 3" ICA Housing
New Construction

| 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) |



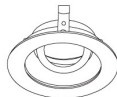
3" ICA Housing
Remodel

| CAT NO. | SPECIFICATIONS |
|-----------|----------------|
| EL390RICA | |

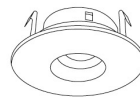
3" Pex™ Twist-On Trims



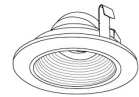
Round Deep Reflector
ELK3618
Finishes:
(W, BB, BZ, B, C, H)



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



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



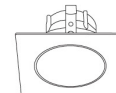
Round Adjustable Baffle
ELK3693
Finishes:
(W)



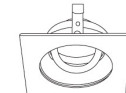
Round Adj. Slot Aperture
ELK3620
Finishes:
(W)



Round Adj. Wall Wash
ELK3622
Finishes:
(W)



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



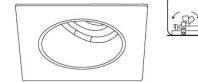
Square Adjustable Gimbal
ELK3329
Finishes:
(W, BB, BZ, B, C, H)



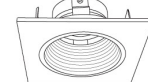
Square Adjustable Pinhole
ELK3327
Finishes:
(B, BB, BZ)



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



Square Adj. Wall Wash
ELK3322
Finishes:
(W)



Square Adjustable Baffle
ELK3393
Finishes:
(W)

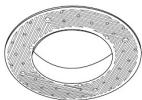
Compatible Products

For use with **Koto™ LED Module**



3" Pex™ Trimless

• Only for use with EL386/CA



Spackle Frame

EL3SFR



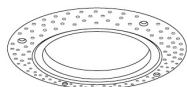
**Adjustable Trimless
Reflector**

ELK315

Finishes:

(W, B, H)

3" Flush Mount Trim Adaptors



Round Flush Mount

EL3FMR



Square Flush Mount

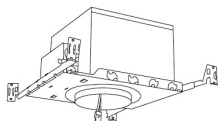
EL3FMS

Compatible Products

For use with **Koto™ LED Module**

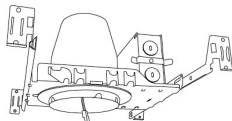


4" Koto™ Dedicated LED ICA Housings



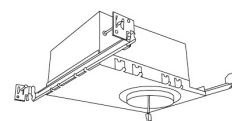
4" ICA Maximum Adjustability Housing
New Construction

| 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) |



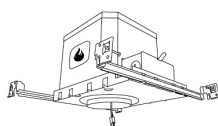
4" R-60 Spray Foam Insulation Housing
New Construction

| 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™ Round Twist-On Trims



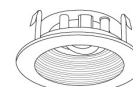
Reflector
ELK4118
Finishes:
(W, BB, BZ, B, C, H)



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



Adjustable Pinhole
ELK4127
Finishes:
(B, BB, BZ)



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



Slot Aperture
ELK4130
Finishes:
(W)



Rotatable Slot Aperture
ELK4120
Finishes:
(W)



Adj. Wall Wash
ELK4122
Finishes:
(W)

Compatible Products

For use with **Koto™ LED Module**

EL ELCO Lighting

4" Pex™ Square Twist-On Trims



Reflector

ELK4218

Finishes:

(W, BB, BZ, B, C, H)

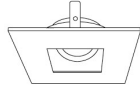


Adjustable Gimbal

ELK4229

Finishes:

(W, BB, BZ, B, C, H)

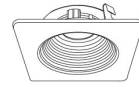


Adjustable Pinhole

ELK4227

Finishes:

(B, BB, BZ)



Adjustable Phenolic Baffle

ELK4293

Finishes:

(W, BB, B)



Adj. Slot Rotatable Aperture

ELK4220

Finishes:

(W)

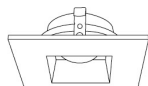


Adjustable Wall Wash

ELK4222

Finishes:

(W)

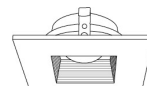


Adjustable Reflector

ELK4282

Finishes:

(W)



Adjustable Baffle

ELK4284

Finishes:

(W)

4" Flexa™ Twist-On Trims



Round Reflector

ELK4721

Finishes:

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

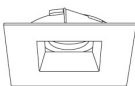


Round Baffle

ELK4723

Finishes:

(WW, BB, BZBZ, BW)



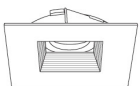
Square Reflector

ELK4741

Finishes:

(WW, BB, BZBZ, BW, HW)

**Not for Remodel Housing*



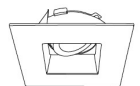
Square Baffle

ELK4743

Finishes:

(WW, BB, BZBZ, BW)

**Not for Remodel Housing*



Adjustable Square Reflector

ELK4759

Finishes:

(WW, BB, B, H)

Compatible Products

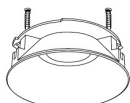
For use with **Koto™ LED Module**

4" Pex™ Trimless

• Only for use with EL485ICA & EL490AJICA



**Round Spackle
Frame Only**
EL4SFR



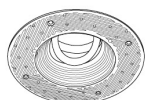
Round Smooth Reflector
ELK408
Finishes:
(W, B, BZ, H)



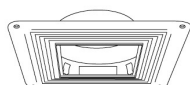
**Round Adjustable
Reflector**
ELK415
Finishes:
(W, B, BZ, H)



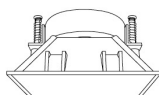
**Adjustable Reflector
with Spackle Frame**
ELK430
Finishes:
(W, B, BZ, H)



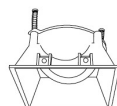
**Adjustable Baffle
with Spackle Frame**
ELK434
Finishes:
(W, B, BZ)



Sq. Spackle Frame
EL4SFS

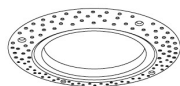


Sq. Smooth Reflector
ELK445
Finishes:
(W, B, H)

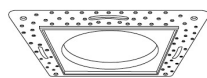


Sq. Adjustable Reflector
ELK459
Finishes:
(W, B, H)

4" Flush Mount Trim Adaptors



Round Flush Mount
EL4FMR
For use with
ELK41 & Unique™ Trims



Square Flush Mount
EL4FMS
For use with
ELK42 Trims

Compatible Products



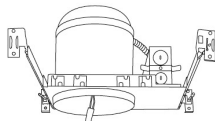
For use with **Koto™ LED Module**

6" Koto™ Dedicated LED ICA Housings



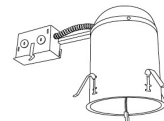
2-Hour Fire Rated 6" ICA Housing
New Construction

| CAT NO. | SPECIFICATIONS |
|----------|----------------|
| EL76FICA | 7 ¾" Height |



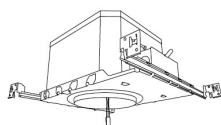
6" Standard ICA Housing
New Construction

| CAT NO. | SPECIFICATIONS |
|----------|----------------|
| EL770ICA | 7 ½" Height |



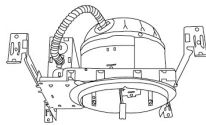
6" Standard ICA Housing
Remodel

| CAT NO. | SPECIFICATIONS |
|-----------|----------------|
| EL770RICA | 7 ½" Height |



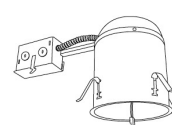
2-Hour Shallow Fire Rated 6" ICA Housing
New Construction

| CAT NO. | SPECIFICATIONS |
|-----------|----------------|
| EL75FICAS | 6 ¾" Height |



6" Shallow ICA Housing
New Construction

| CAT NO. | SPECIFICATIONS |
|----------|----------------|
| EL760ICA | 5 ½" Height |



6" Shallow ICA Housing
Remodel

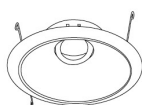
| CAT NO. | SPECIFICATIONS |
|-----------|----------------|
| EL760RICA | 5 ½" Height |

6" Twist-On Trims

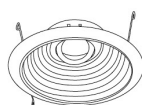


Round Reflector

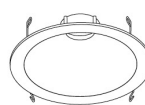
ELK610
Finishes:
(WW, BB, BZBZ, BW,
CC, CW, CN, HW)



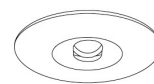
Adjustable Round Reflector
ELK629
Finishes:
(WW, BB, BZBZ, BW, CW, HW)



Adjustable Round Baffle
ELK693
Finishes:
(WW, BB, BZBZ, BW)



Round Deep Reflector
ELK6418
Finishes:
(W, BB, BZ, H)



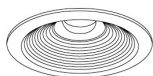
Adjustable Slot Aperture
ELK6420
Finishes:
(W)

6" Unique™ Twist-On Trims



Round Reflector

ELK6710
Finishes:
(W, B, BZ)



Round Baffle

ELK6713
Finishes:
(W, BZ)



Round Wall Wash

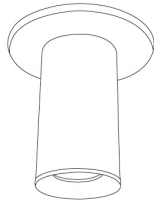
ELK6715
Finishes:
(W, BZ)

Compatible Products

For use with **Koto™ LED Module**

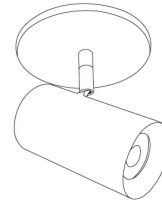


2" Koto Sylo™ Build-Your-Own



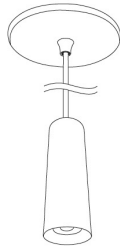
2" Koto Sylo Housing
Surface Mount

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



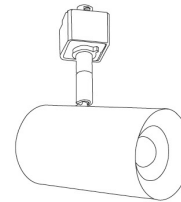
2" Koto Sylo Housing
Monopoint

| 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

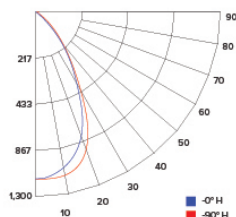
| CAT NO. | SPECIFICATIONS |
|----------|----------------|
| EKS25TRW | White Finish |
| EKS25TRB | Black Finish |
| EKS25TRS | Silver Finish |

Photometric Report

Koto™ LED Module

PHOTOMETRIC REPORT

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



CANDLE POWER SUMMARY

| Degress Vertical | 0° |
|------------------|------|
| 0 | 1186 |
| 5 | 1188 |
| 15 | 1004 |
| 25 | 536 |
| 35 | 254 |
| 45 | 93 |
| 55 | 27 |
| 65 | 12 |
| 75 | 6 |
| 85 | 3 |
| 90 | 1 |

ILLUMINANCE AT A DISTANCE

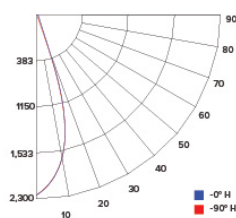
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4' | 74.1 | 3.2' |
| 6' | 32.9 | 4.8' |
| 8' | 18.5 | 6.4' |
| 10' | 11.9 | 8.0' |

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 580.1 | 71.3 |
| 0-40° | 714.6 | 87.8 |
| 0-60° | 797.0 | 98 |
| 0-90° | 813.5 | 100 |

PHOTOMETRIC REPORT

Product #: ELK0735
Wattage / Lumens: 10W / 947.4 lm
Luminaire LPW: 95 lm/W



CANDLE POWER SUMMARY

| Degress Vertical | 0° |
|------------------|------|
| 0 | 2249 |
| 5 | 2075 |
| 15 | 1257 |
| 25 | 388 |
| 35 | 72 |
| 45 | 31 |
| 55 | 21 |
| 65 | 11 |
| 75 | 5 |
| 85 | 0 |
| 90 | 0 |

ILLUMINANCE AT A DISTANCE

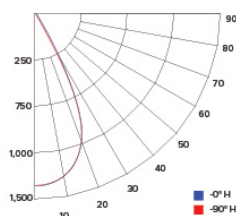
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4' | 141 | 2.6' |
| 6' | 62.5 | 3.9' |
| 8' | 35.1 | 5.2' |
| 10' | 22.5 | 6.5' |

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 812.7 | 85.8 |
| 0-40° | 876.7 | 92.6 |
| 0-60° | 919.5 | 97.1 |
| 0-90° | 936.3 | 98.9 |

PHOTOMETRIC REPORT

Product #: ELK0930
Wattage / Lumens: 10W / 972 lm
Luminaire LPW: 97 lm/W



CANDLE POWER SUMMARY

| Degress Vertical | 0° |
|------------------|------|
| 0 | 1455 |
| 5 | 1397 |
| 15 | 1175 |
| 25 | 655 |
| 35 | 306 |
| 45 | 116 |
| 55 | 38 |
| 65 | 16 |
| 75 | 7 |
| 85 | 2 |
| 90 | 1 |

ILLUMINANCE AT A DISTANCE

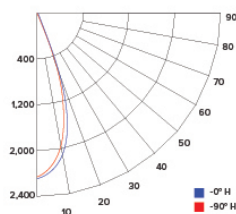
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4' | 90.9 | 3.1' |
| 6' | 40.4 | 4.7' |
| 8' | 22.7 | 6.3' |
| 10' | 14.5 | 7.8' |

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 685.9 | 70.6 |
| 0-40° | 846.0 | 87.1 |
| 0-60° | 946.8 | 97.5 |
| 0-90° | 965.8 | 99.4 |

PHOTOMETRIC REPORT

Product #: ELK0935
Wattage / Lumens: 10W / 990.8 lm
Luminaire LPW: 99 lm/W



CANDLE POWER SUMMARY

| Degress Vertical | 0° |
|------------------|------|
| 0 | 2295 |
| 5 | 2215 |
| 15 | 1501 |
| 25 | 569 |
| 35 | 104 |
| 45 | 37 |
| 55 | 25 |
| 65 | 15 |
| 75 | 9 |
| 85 | 6 |
| 90 | 6 |

ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4' | 143 | 2.6' |
| 6' | 63.8 | 3.9' |
| 8' | 35.9 | 5.2' |
| 10' | 23.0 | 6.4' |

ZONAL LUMEN SUMMARY

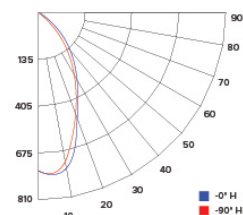
| Zone | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 826.6 | 83.5 |
| 0-40° | 890.6 | 89.9 |
| 0-60° | 937.1 | 94.6 |
| 0-90° | 962 | 97.1 |

Photometric Report

Koto™ LED Module

PHOTOMETRIC REPORT

Product #: ELK09SD
Wattage / Lumens: 10.9W / 605.1 lm
Luminaire LPW: 55.5 lm/W



CANDLE POWER SUMMARY

| Degress Vertical | 0° |
|------------------|-----|
| 0 | 731 |
| 5 | 751 |
| 15 | 640 |
| 25 | 337 |
| 35 | 175 |
| 45 | 79 |
| 55 | 23 |
| 65 | 10 |
| 75 | 4 |
| 85 | 1 |
| 90 | 0 |

ILLUMINANCE AT A DISTANCE

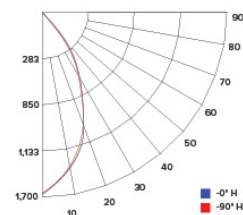
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4' | 45.7 | 3.1' |
| 6' | 20.3 | 4.7' |
| 8' | 11.4 | 6.2' |
| 10' | 7.31 | 7.8' |

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Luminaire |
|-------|--------|------------|
| 0-30° | 402.9 | 66.6 |
| 0-40° | 510.3 | 84.4 |
| 0-60° | 588.6 | 97.3 |
| 0-90° | 601.9 | 99.5 |

PHOTOMETRIC REPORT

Product #: ELK1127
Wattage / Lumens: 12.5W / 1086.2 lm
Luminaire LPW: 86.9 lm/W



CANDLE POWER SUMMARY

| Degress Vertical | 0° |
|------------------|------|
| 0 | 1606 |
| 5 | 1542 |
| 15 | 1297 |
| 25 | 723 |
| 35 | 338 |
| 45 | 128 |
| 55 | 42 |
| 65 | 17 |
| 75 | 8 |
| 85 | 3 |
| 90 | 1 |

ILLUMINANCE AT A DISTANCE

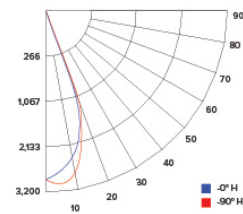
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4' | 100 | 3.2' |
| 6' | 44.6 | 4.8' |
| 8' | 25.1 | 6.4' |
| 10' | 16.1 | 7.9' |

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Luminaire |
|-------|---------|------------|
| 0-30° | 757.2 | 70.6 |
| 0-40° | 933.9 | 87.1 |
| 0-60° | 1,045.2 | 97.5 |
| 0-90° | 1,066.1 | 99.4 |

PHOTOMETRIC REPORT

Product #: ELK1130
Wattage / Lumens: 11.8W / 1162.5 lm
Luminaire LPW: 98.5 lm/W



CANDLE POWER SUMMARY

| Degress Vertical | 0° |
|------------------|------|
| 0 | 3043 |
| 5 | 2807 |
| 15 | 1766 |
| 25 | 520 |
| 35 | 98 |
| 45 | 46 |
| 55 | 34 |
| 65 | 22 |
| 75 | 12 |
| 85 | 8 |
| 90 | 6 |

ILLUMINANCE AT A DISTANCE

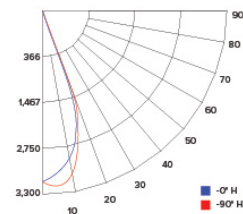
| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4' | 190 | 2.4' |
| 6' | 84.5 | 3.6' |
| 8' | 47.5 | 4.8' |
| 10' | 30.4 | 6.0' |

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Luminaire |
|-------|---------|------------|
| 0-30° | 997.9 | 85.9 |
| 0-40° | 1,064.7 | 91.6 |
| 0-60° | 1,125.3 | 96.9 |
| 0-90° | 1,161.6 | 100 |

PHOTOMETRIC REPORT

Product #: ELK1135
Wattage / Lumens: 11.8W / 1210 lm
Luminaire LPW: 102.5 lm/W



CANDLE POWER SUMMARY

| Degress Vertical | 0° |
|------------------|------|
| 0 | 3160 |
| 5 | 2920 |
| 15 | 1836 |
| 25 | 540 |
| 35 | 102 |
| 45 | 47 |
| 55 | 35 |
| 65 | 23 |
| 75 | 13 |
| 85 | 8 |
| 90 | 7 |

ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4' | 198 | 2.4' |
| 6' | 87.9 | 3.6' |
| 8' | 49.4 | 4.8' |
| 10' | 31.6 | 6.0' |

ZONAL LUMEN SUMMARY

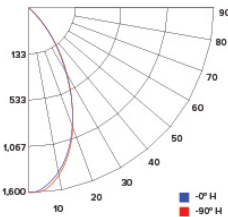
| Zone | Lumens | %Luminaire |
|-------|---------|------------|
| 0-30° | 1,037.8 | 85.9 |
| 0-40° | 1,107.3 | 91.6 |
| 0-60° | 1,170.3 | 96.9 |
| 0-90° | 1,208.1 | 100 |

Photometric Report

Koto™ LED Module

PHOTOMETRIC REPORT

Product #: ELK1330
Wattage / Lumens: 11.8W / 1312.2 lm
Luminaire LPW: 111.2 lm/W



CANDLE POWER SUMMARY

| Degress Vertical | 0° |
|------------------|------|
| 0 | 1575 |
| 5 | 1497 |
| 15 | 1224 |
| 25 | 824 |
| 35 | 377 |
| 45 | 142 |
| 55 | 35 |
| 65 | 9 |
| 75 | 2 |
| 85 | 1 |
| 90 | 0 |

ILLUMINANCE AT A DISTANCE

| Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
|--------------------------|-------------------------|---------------|
| 4' | 98.4 | 4.0' |
| 6' | 43.8 | 6.0' |
| 8' | 24.6 | 8.0' |
| 10' | 15.8 | 10.0' |

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Luminaire |
|-------|---------|------------|
| 0-30° | 879.8 | 67.1 |
| 0-40° | 1,140.2 | 86.9 |
| 0-60° | 1,298.7 | 99 |
| 0-90° | 1,311.4 | 100 |



ELCO Lighting

Dimmer Compatibility Chart

Standard Koto™ LED Modules

For ELK07, ELK08CT5, ELK09, ELK10CT5,

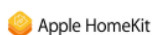
ELK11 & ELK13 Series

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/ 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) 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% |

***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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