

# 24V DC Koto™ LED Module

Works with 4" Koto™ 24V DC Recessed Housings and Koto™ Trims



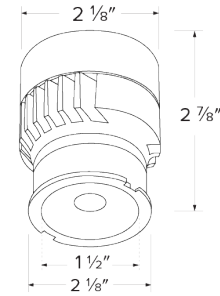
## Features

- 10W, 800 lm, 24V DC input
- Integrated 24V DC Dimmable Driver for low voltage and PoE applications
- 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), Single Asymmetric Lens (L54), Double Asymmetric Lens (L55)
- Works in 2", 3", 4", 5" & 6" ELCO Koto DC housings with Koto™ twist-&-lock trims
- Excellent color rendering 90+ CRI
- Title 24 JA8-2022 Compliant
- Meets Energy Star Requirements
- Covered by U.S. PATENTS and Patents Pending

## Specifications

<b>Wattage</b>	10W
<b>Lumens</b>	800 lm
<b>Voltage</b>	24V DC
<b>Color Temp.</b>	2700K - 3000K
<b>Lamp Type</b>	LED
<b>Beam Angle</b>	25°, 38°, 60°
<b>CRI</b>	90

## Dimension



## Technical Details

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

**Construction:** Integrated 24V DC driver. Diecast aluminum body with heat fins allows for efficient cooling.

**Installation:** Twist-lock design for toolless trim installation.

**Electrical:** Module connects to 24V DC power supply. High-efficiency driver with a power factor >0.9. Start time of less than 0.75 seconds. PoE ready.

**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.

**Dimmability:** Dimming based on power supply.

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

## Product Numbers

Item	Lamp type	Lumens	CCT	Watts	Voltage	Beam Angle
<b>ELK0827-24</b>	LED	800 lm	2700K	10W	24V DC	25°, 38°, 60°
<b>ELK0830-24</b>	LED	800 lm	3000K	10W	24V DC	25°, 38°, 60°

# Product Number Builder

Example: **ELK0827-24**

24V DC Koto™ LED Module

Lumens

Color Temp.

Voltage

**ELK**

**08** 800 (10W)

**27** 2700K  
**30** 3000K

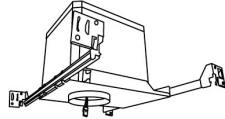
**-24** 24V DC

# Compatible Products



For use with 24V DC Koto™ LED Module

## 2" Koto™ Dedicated LED ICA Housings (24V DC Input)



24V DC 2" ICA Maximum Adjustability Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
E24V276ICA	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)



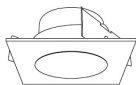
**Round Adjustable Pinhole**

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



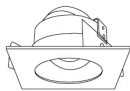
**Round Curved Reflector**

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



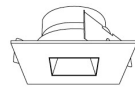
**Square Deep Reflector**

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



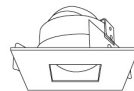
**Square Adjustable Reflector**

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



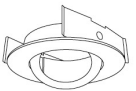
**Square Reflector**

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



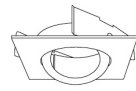
**Square Adjustable Pinhole**

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



**Round Gimbal**

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



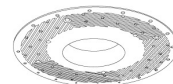
**Square Gimbal**

**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



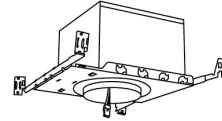
For use with 24V DC Koto™ LED Module

## 3" Koto™ Dedicated LED ICA Housings (24V DC Input)



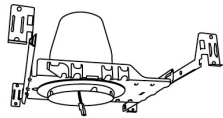
24V DC 2-Hour Fire Rated 3" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
E24V39FICA	7 1/2" Height - Sound Rated



24V DC 3" ICA Maximum Adjustability Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
E24V386ICA	Maximum Adjustability



24V DC 3" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
E24V390ICA	



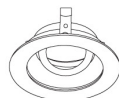
24V DC 3" ICA Housing  
**Remodel**

CAT NO.	SPECIFICATIONS
E24V390RICA	

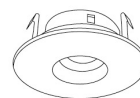
## 3" Pex™ Twist-On Trims



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



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



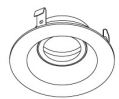
**Round Adjustable Pinhole**  
ELK3627  
Finishes:  
(B, BB, BZ, B, H)



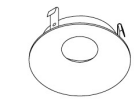
**Round Adj. Slot Aperture**  
ELK3620  
Finishes:  
(W)



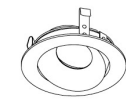
**Round Adj. Wall Wash**  
ELK3622  
Finishes:  
(W)



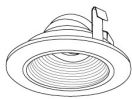
**Round Regressed Eyeball**  
ELK3653  
Finishes:  
(W, BB, B)



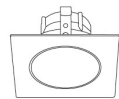
**Round Curved Reflector**  
ELK3672  
Finishes:  
(W, B)



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



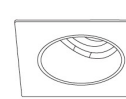
**Round Adjustable Baffle**  
ELK3693  
Finishes:  
(W)



**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 24V DC Koto™ LED Module

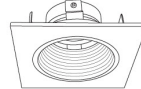
## 3" Pex™ Twist-On Trims



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

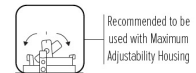


**Square Reflector**  
**ELK3341**  
 Finishes:  
 (W, BB, BZ, B)



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

## 3" Pex™ 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



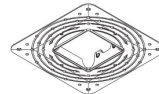
**Round Knife Edge Wood Ceiling Trim w/Mounting Clips**  
**EL3WCR**  
 Finishes:  
 (W, B)



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

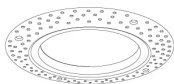


**Square Adjustable Trimless Reflector**  
**ELK381**  
 Finishes:  
 (W, B, H)

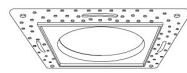


**Square Trimless Spackle Frame**  
**EL03SFS**  
 For use with ELK370 & ELK381

## 3" Flush Mount Trim Adaptors



**Round Flush Mount**  
**EL3FMR**



**Square Flush Mount**  
**EL3FMS**

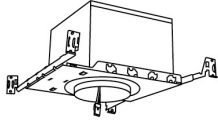
\*Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black Reflector w/White Ring, **C** - Chrome Reflector w/White Ring, **H** - Haze Reflector w/White Ring

# Compatible Products



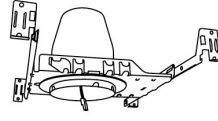
For use with 24V DC Koto™ LED Module

## 4" Koto™ Dedicated LED ICA Housings (24V DC Input)



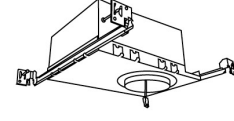
24V DC 4" ICA Maximum Adjustability Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
E24V485ICA	Maximum Adjustability



24V DC 4" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
E24V490ICA	



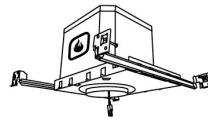
24V DC 4" R-60 Spray Foam Insulation  
**New Construction Housing**

CAT NO.	SPECIFICATIONS
E24V490AJICA	Maximum Adjustability, For use in R60 or Chicago plenum applications



24V DC 4" ICA Housing  
**Remodel**

CAT NO.	SPECIFICATIONS
E24V490RICA	



24V DC 2-Hour Fire Rated 4" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
E24V48FICA	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)



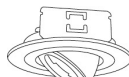
**Adjustable Pinhole**  
ELK4127  
Finishes:  
(W, BB, BZ, B, H)



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



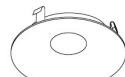
**Slot Aperture**  
ELK4130  
Finishes:  
(W)



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



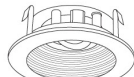
**Regressed Eyeball**  
ELK4153  
Finishes:  
(W, BB, B)



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



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



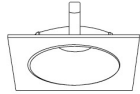
**Adjustable Baffle**  
ELK4193  
Finishes:  
(W, BB, B)

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

# Compatible Products

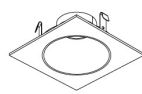
For use with 24V DC Koto™ LED Module

## 4" Pex™ Twist-On Trims



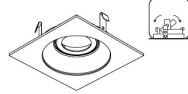
**Shallow Reflector**

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



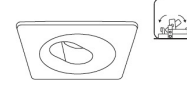
**Deep Reflector**

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



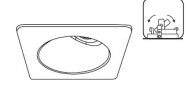
**Adjustable Gimbal**

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



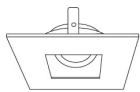
**Adjustable Slot  
Rotatable Aperture**

**ELK4220**  
Finishes:  
(W)



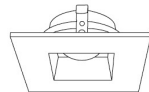
**Adjustable  
Wall Wash**

**ELK4222**  
Finishes:  
(W)



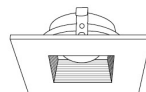
**Adjustable Pinhole**

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



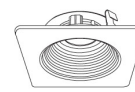
**Adjustable Reflector**

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



**Adjustable Baffle**

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

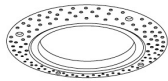


**Adj. Phenolic Baffle**

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

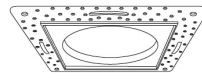
Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black w/White Ring, **C** - Chrome w/White Ring, **H** - Haze w/White Ring, **B\*** - All Black (For ELK4188, ELK4172, & ELK4284)

## 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



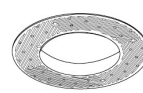
**Round Trimless Reflector**

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



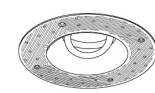
**Round Adj. Trimless Reflector**

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



**Round Trimless Spackle Frame**

**EL4SFR**  
For use with ELK408 & ELK415



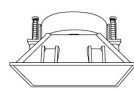
**Smooth Reflector**

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



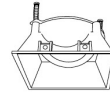
**Baffle**

**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



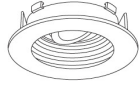
For use with 24V DC Koto™ LED Module

## 4" Flexa™ Twist-On Trims



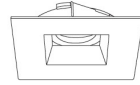
**Round Reflector**

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



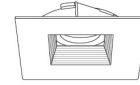
**Round Baffle**

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



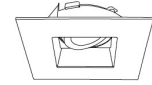
**Square Reflector**

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



**Square Baffle**

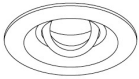
**ELK4743**  
 Finishes:  
 (WW, BB, BZBZ, BW)  
*\*Not for Remodel Housing*



**Square Adj. Reflector**

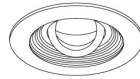
**ELK4759**  
 Finishes:  
 (WW, BB, B, H)  
*\*Not for Remodel Housing*

## 4" Unique™ Twist-On Trims



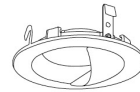
**Round Adjustable Reflector**

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



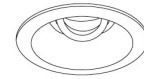
**Round Adjustable Baffle**

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



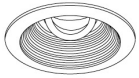
**Round Wall Wash**

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



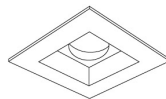
**Round Adj. Deep Reflector**

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



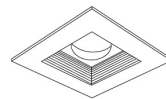
**Round Adj. Deep Baffle**

**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



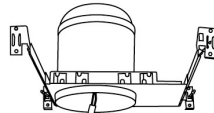
For use with 24V DC Koto™ LED Module

## 6" Koto™ Dedicated LED ICA Housings (24V DC Input)



24V DC 2-Hour Fire Rated 6" ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
E24V76FICA	7 3/4" Height



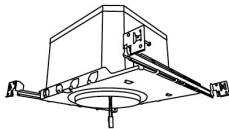
24V DC 6" Standard ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
E24V770ICA	7 1/2" Height
E24V770ICA-EM5	Battery Backup, 24W MAX.



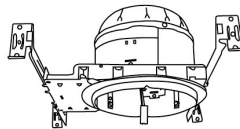
24V DC 6" Standard ICA Housing  
**Remodel**

CAT NO.	SPECIFICATIONS
E24V770RICA	7 1/2" Height



24V DC 2-Hour Shallow Fire Rated 6" ICA  
**New Construction Housing**

CAT NO.	SPECIFICATIONS
E24V75FICAS	6 3/16" Height



24V DC 6" Shallow ICA Housing  
**New Construction**

CAT NO.	SPECIFICATIONS
E24V760ICA	5 1/2" Height
E24V760ICA-EM5	Battery Backup, 24W MAX.



24V DC 6" Shallow ICA Housing  
**Remodel**

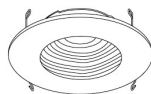
CAT NO.	SPECIFICATIONS
E24V760RICA	5 1/2" Height

## 5" & 6" Pex™ Twist-On Trims



**5" Round Reflector**

**ELK5421**  
Finishes:  
(W)



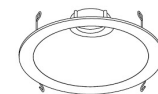
**5" Round Baffle**

**ELK5493**  
Finishes:  
(W)



**6" Round Reflector**

**ELK6418**  
Finishes:  
(W, BB, BZ, H)



**6" Round Adj. Reflector**

**ELK6429**  
Finishes:  
(W, BB, BZ, H)



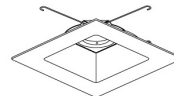
**6" Round Adj. Slot Aperture**

**ELK6420W**  
Finishes:  
(W)



**6" Round Adj. Pinhole Reflector**

**ELK6427**  
Finishes:  
(W, B, H)



**6" Square Adj. Reflector**

**ELK6829**  
Finishes:  
(W, BB, H)

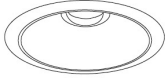
\*Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black Reflector w/White Ring, **C** - Chrome Reflector w/White Ring, **H** - Haze Reflector w/White Ring

# Compatible Products

For use with 24V DC 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**

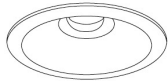
**ELK693**

Finishes:

(WW, BB, BZBZ, BW)

## 6" Unique™ Twist-On Trims

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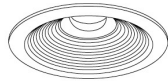


**6" Round Reflector**

**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 24V DC Koto™ LED Module

## 24V DC Transformers



**Electronic Low Voltage  
Dimmable Driver**

CAT NO.	SPECIFICATIONS
DRVE24V60W	60W, 120V Input



**Constant Voltage  
LED Driver**

CAT NO.	SPECIFICATIONS
DRV60W	60W, 120/277V Input
DRV100W	100W, 120/277V Input



**0-10V  
Dimmable Driver**

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



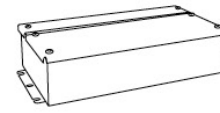
**Lutron™ Hi-Lume 1%  
LED Driver**

CAT NO.	SPECIFICATIONS
DRVLT40W	40W, Triac, 120/277V
DRVLT340W	40W, Lutron Ecosystem, 120/277V



**Lutron™ Hi-Lume Premiere 0.1%  
Dimming LED Driver**

CAT NO.	SPECIFICATIONS
DRVL396W	96W, Lutron Ecosystem, 120/277V Input



**Universal (Small)  
Dimming LED Driver**

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



**Universal (Medium)  
Dimming LED Driver**

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



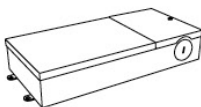
**Universal (Large)  
Dimming LED Driver**

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



**Universal (X-Large)  
Dimming LED Driver**

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



**Electronic (Large)  
Dimming LED Driver**

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



**Dimmer  
with Built-in Driver**

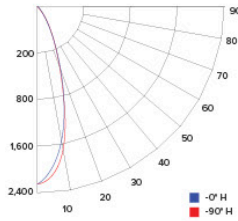
CAT NO.	SPECIFICATIONS
DIMTP2	60W, 120V
DIMTP3	100W, 120V

# Photometric Report

## 24V DC Koto™ LED Module

### PHOTOMETRIC REPORT

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



### CANDLE POWER SUMMARY

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

### ILLUMINANCE AT A DISTANCE

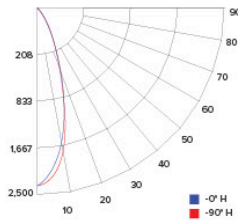
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	146	2.4'
6'	64.7	3.5'
8'	36.4	4.7'
10'	23.3	5.9'

### ZONAL LUMEN SUMMARY

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

### PHOTOMETRIC REPORT

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



### CANDLE POWER SUMMARY

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

### ILLUMINANCE AT A DISTANCE

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

### ZONAL LUMEN SUMMARY

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