ELCO Lighting

Project Name:

Fixture Type:

Date:

KOTO™ ARCHITECTURAL LED LIGHT ENGINE

Module

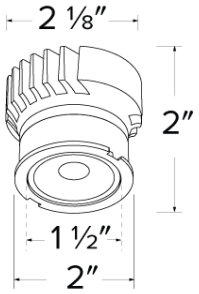
Works with 2″, 3″, 4″ & 6″ Koto™ Architectural Recessed Housings and Koto™ Trims



FEATURES

- Light engine used with Koto™ Architectural Housings
- See Koto™ Architectural housings for lumen output options. Final lumen output is determined by housing.
- Delivered lumens by housing: ELK19 Standard (12.5W) 850 lm, Shallow 1,000 lm; ELK21 Standard (12.5W) 1,100 lm, Shallow 1,300 lm, High Lumen 1,400 or 1,650 lm; ELK24 Standard (12.5W) 1,350 lm, Shallow 1,500 lm, High Lumen 1,650 or 1,850 lm.
- Driver on housing extends lifespan and allows for more dimming and EM options
- Standard 38° Lens installed, 25° and 60° lenses included; modules ordered with a beam suffix (-S 18°, -N 25°, -W 60°, -E 90°) come with that lens only - Optional Lens: 18° (EP731C)
- Optional: Louver (L45), Linear Lens (L46), Spread Lens (L47), Frosted Lens (L49)
- Works in 2″, 3″, 4″ & 6″ ELCO Housings with Koto™ twist-on trims
- 95+ CRI color rendering
- Sunset option dims from 3000K to 1800K
- ENERGY STAR Certified
- Title 24 JA8-2025-E Compliant
- Life span of 50,000 hours L70
- Covered by U.S. PATENTS and Patents Pending

DIMENSIONS



SPECIFICATIONS

Wattage	14.7 MAX. · 18.9 MAX. · 14.7W · 18.9W
Lumens	Up to 1050 lm (14.7W MAX) · Up to 1690 lm (18.9W MAX) · Up to 1950 lm (18.9W MAX)
Color temp.	2700K · 3000K · 3500K · 4000K · Sunset · Turtle Friendly Amber
Lamp type	LED
Beam angle	38° · 18° · 25° · 60° · 90°
CRI	95+

Item page
elcolighting.com/items/koto-architectural-led-light-engine
Every item number, IES files, downloads and the latest revision.

PART OF THESE FAMILIES

4″ Architectural Koto™ · 2″ Architectural Koto™ · 3″ Architectural Koto™ · 6″ Architectural Koto™

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PRODUCT NUMBER BUILDER

Specify **Koto™ Architectural LED Light Engine** item number (Select one) Example: **ELK1927D** Your item number:

ITEM	LUMENS	CCT	BEAM ANGLE
ELK	**19** Up to 1050 lm (14.7W MAX)[1] **21** Up to 1690 lm (18.9W MAX)[1] **24** Up to 1950 lm (18.9W MAX)[1]	**27D** 2700K **30D** 3000K **35D** 3500K **40D** 4000K **SD** Sunset[2, 3] **AMD** Turtle Friendly Amber	38° **-S** 18° **-N** 25° **-W** 60° **-E** 90°[4]

No separate code: Lumens: 970 lm MAX., 1360 lm MAX., 1720 lm MAX., 1000 lm MAX., 1430 lm MAX., 1800 lm MAX., 1030 lm MAX., 1510 lm MAX., 1875 lm MAX., 1050 lm MAX., 1690 lm MAX., 1950 lm MAX., 940 lm MAX., 1000 lm, 1430 lm, 1800 lm, 1030 lm, 1050 lm, 1690 lm, 1950 lm, 940 lm

[1] Lumen output varies based on the architectural Koto housing used [2] Available with ELK19 module only [3] Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed [4] 90° Frosted Reflector

TECHNICAL DETAILS

Optics: PC lens diffuses light evenly throughout while reducing glare with LED COB technology.

Construction: Diecast aluminum body with heat fins allow for efficient cooling.

Compatible Housings: Koto™ Module is compatible with Architectural Housings:

- 120/277V 0-10V/Triac/ELV (3 in 1 dimming: Triac, ELV and 0-10V dimming in one driver to 1%)
- 120V Triac/ELV with optional Emergency Battery Backup.

• E2LK57RICAD, E3LK65ICA, E3LK66ICAD, E3LK65RICA, E3LK66RICAD, E4LK87ICA, E4LK88ICAD, E4LK87RICA, E4LK88RICAD, ELK72FICA, ELK73FICAD (10W, 250mA) *ELK19 Delivered Lumens:* 2700K: 750 lm, 3000K: 770 lm, 3500K: 790 lm, 4000K: 810 lm, Sunset: 750 lm *ELK21 Delivered Lumens:* 2700K: 890 lm, 3000K: 930 lm, 3500K: 990 lm, 4000K: 1020 lm *ELK24 Delivered Lumens:* 2700K: 1016 lm, 3000K: 1060 lm, 3500K: 1100 lm, 4000K: 1150 lm

• E2LK34ICA, E2LK35ICAD, E3LK76ICA, E3LK77ICAD, E4LK98ICA, E4LK99ICAD (15W, 350mA) *ELK19 Delivered Lumens:* 2700K: 970 lm, 3000K: 1000 lm, 3500K: 1030 lm, 4000K: 1050 lm, Sunset: 940 lm *ELK21 Delivered Lumens:* 2700K:1140 lm, 3000K:1200 lm, 3500K: 1270 lm, 4000K: 1390 lm *ELK24 Delivered Lumens:* 2700K: 1390 lm, 3000K: 1450 lm, 3500K: 1510 lm, 4000K: 1570 lm

• E2LK41ICA, E2LK42ICAD, E3LK53ICA, E3LK54ICAD, E4LK47ICA, E4LK48ICAD (17W, 400mA) *ELK21 Delivered Lumens:* 2700K:1220 lm, 3000K:1290 lm, 3500K: 1360 lm, 4000K: 1400 lm *ELK24 Delivered Lumens:* 2700K: 1550 lm, 3000K: 1620 lm, 3500K: 1685 lm, 4000K: 1750 lm

• E2LK94ICA, E2LK95ICAD, E3LK84ICA, E3LK85ICAD, E4LK78ICA, E4LK79ICAD, E6LK56ICA, E6LK57ICAD (19W, 450mA) *ELK21 Delivered Lumens:* 2700K:1360 lm, 3000K:1430 lm, 3500K: 1510 lm, 4000K: 1690 lm *ELK24 Delivered Lumens:* 2700K: 1720 lm, 3000K: 1800 lm, 3500K: 1875 lm, 4000K: 1950 lm

Compatible Architectural Housings - LUMEN OUTPUT per module

Architectural Koto™ LED Module	Standard Housings (10W) E2LK5 Series, E3LK6 Series, E4LK8 Series, E6LK37 Series*	Shallow Housings (15W) E2LK3 Series, E3LK7 Series, E4LK9 Series	High Lumen Housings (17W) E2LK4 Series, E3LK5 Series, E4LK4 Series	High Lumen Housings (19W) E2LK9 Series, E3LK8 Series, E4LK7 Series, E6LK5 Series	2-Hr Fire Rated Housings ELK7 Series, ELK9 Series
ELK19 Series	~750 lm	~1000 lm	Not Compatible	Not Compatible	~750 lm
ELK21 Series	~950 lm	~1200 lm	~1450 lm	~1650 lm	~950 lm
ELK24 Series	~1100 lm	~1400 lm	~1750 lm	~1950 lm	~1100 lm

* For ELK21 & ELK24 Series Only

Installation: Twist-on design for toolless trim installation, for use with Koto™ trims only. Can be used in 2", 3" & 4" Architectural Koto™ Housings only.

LED Technology: Color Rendering Index (CRI) of 95+. Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results. Thermal management by utilizing integrated heat sink. Instant On to Full Brightness. No LED pixelation.

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

Dimmability: Based on housing used. See Koto™ Architectural Housings for options.

Listings: UL Listed (US and Canada) for Damp Locations. UL Listed (US and Canada) for Wet Location with Wet location trims. RoHS Compliant. ENERGY STAR® Certified. California Title 24 JA8-2025-E.

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

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