ELCO Lighting

Project Name:
Fixture Type:
Date:

2″ CANLESS KOTO™ DOWNLIGHTING SYSTEM

10.5W, 2700K-4000K, Sunset, or Human Centric, Up to 950 lm, 120V or 120/277V



THE CANLESS KOTO™ SYSTEM

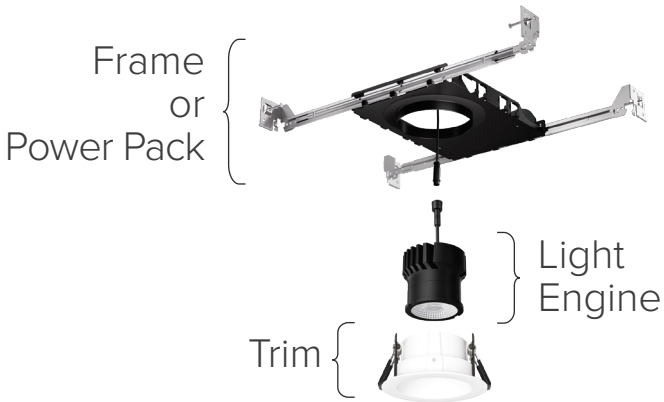
The high quality residential grade downlight engineered to be shallow, taking less space than a regular recessed housing. With a lumen output up to 950 lumen, the module offers maximum flexibility, providing designers and architects with the necessary choices when laying out a project.

FEATURES

- IC rated for direct contact with insulation
- Driver on frame: 120V, Triac/ELV dimming to 5% or 120-277V, 0-10V/Triac/ELV dimming to 1%
- 18°, 25°, 38°, 60°, and 90° beam angle options
- Excellent color rendering 95+ CRI
- Works with ceiling thickness up to 1.25″
- Title 24 JA8-2022 E-Compliant. ENERGY STAR Certified
- Covered by U.S. PATENTS and Patents Pending

SET UP

1. Select a Frame or Remodel/Retrofit power pack.
2. Select a Canless Koto™ Module.
3. Select a Trim.



SPECIFICATIONS

Lumens/Wattage	950 lm (10.5W)
Voltage	120V or 120/277V
Color Temp.	2700K, 3000K, 3500K, 4000K, Sunset or Human Centric
CRI	95+
Damp Location	UL Listed Adjustable Trims
Wet Location	UL Listed Fixed Trims
Dimming	Triac/ELV (5%) or 0-10V/Triac/ELV (1%)
Beam Angle	18°, 25°, 38°, 60° & 90°

Finishes

All White | All Black | All Bronze

Black White Ring | Haze White Ring

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PRODUCT NUMBER BUILDER

STEP 1. Specify Housing part number (Select one) Example: E2KCL10ICDX-EM1

STYLE/WATTAGE/LUMEN		VOLTAGE/DIMMING		EM OPTIONAL	
E2KCL10IC[1]	New Construction (10.5W/950 lm)	**(Blank)**	120V, Triac/ELV (5%)	**(Blank)**	No EM
EKCL10RIC	Remodel/Retrofit (10.5W/950 lm)	**DX**	120-277V, 0-10V/Triac/ELV (1%)	**-EM1**	25W, 90 min battery backup
[1] Easy-to-remove driver on frame					

STEP 2. Specify Canless Koto™ LED Module part number (Select one) Example: EKCL2130D

ITEM	COLOR TEMPERATURE		BEAM ANGLE	
EKCL21				
EKCL21[1]	**24D**	2400K	**(Blank)**	38°[4]
	27D	2700K	**-S**	18°
	30D	3000K	**-N**	25°
	35D	3500K	**-W**	60°
	40D	4000K	**-E**	90°[5]
	SDD[2]	Sunset		
	HCD[3]	Human Centric		
[1] IC rated for direct contact with insulation	[2] Sunset, Dim to Warm technology, dims from 3000K to 1800K. [3] Human Centric, Dim to Warm technology, dims from 4000K to 2200K		[4] 38° installed on module with 25° & 60° included in the box [5] 90° available with frosted reflector only	

Field Changeable Secondary Module Optics											
L45	**L57**	**L46**	**L47**	**L49**	**L51**	**L52**	**L53**	**L54**	**L55**	**L50W**	**L50B**
Black Hex Louver	White Hex Louver	Linear Lens	Spread Lens	Frosted Diffuser	CCT Reducer	Blue Color Shifter	Pink Color Shifter	Single Asymmetric	Double Asymmetric	White Snoot	Black Snoot

Koto Modules - Lumen Value Multiplier			
CCT	Multiplier	Beam Angle	Multiplier
2700K	0.96	**18˚**	0.84
3000K	1	**25˚**	0.89
3500K	1.05	**38˚**	1
4000K	1.085	**60˚**	1.065
SD	0.80	**90˚**	0.95
HC	0.85		

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PRODUCT NUMBER BUILDER

STEP 3. Specify Trim part number (Select one)

2″ KOTO™ CANLESS ROUND TRIMS



Style: **Fixed Deep Reflector**

Item: **EKCL2818W** (All White)
EKCL2818BB (All Black)
EKCL2818BZ (All Bronze)
EKCL2818B (Black/White Ring)
EKCL2818H (Haze/White Ring)



Style: **Adjustable Reflector**

Item: **EKCL2829W** (All White)
EKCL2829BB (All Black)
EKCL2829BZ (All Bronze)
EKCL2829B (Black/White Ring)
EKCL2829H (Haze/White Ring)



Style: **Adjustable Pinhole**

Item: **EKCL2827W** (All White)
EKCL2827BB (All Black)
EKCL2827BZ (All Bronze)
EKCL2827B (Black/White Ring)



Style: **Curved Reflector**

Item: **EKCL2872W** (All White)
EKCL2872B (All Black)



Style: **Adjustable Gimbal**

Item: **EKCL2888W** (All White)
EKCL2888B (All Black)
EKCL2888BZ (All Bronze)



Style: **Sleek Reflector**

Item: **EKCL2863W** (All White)
EKCL2863BB (All Black)



Style: **Sleek Lensed Wall Wash Reflector**

Item: **EKCL2883W** (All White)
EKCL2883BB (All Black)

2″ KOTO™ CANLESS SQUARE TRIMS



Style: **Fixed Deep Reflector**

Item: **EKCL2518W** (All White)
EKCL2518BB (All Black)
EKCL2518B (Black/White Ring)



Style: **Adjustable Reflector**

Item: **EKCL2529W** (All White)
EKCL2529BB (All Black)
EKCL2529B (Black/White Ring)



Style: **Adjustable Pinhole**

Item: **EKCL2527W** (All White)
EKCL2527BB (All Black)
EKCL2527B (Black/White Ring)



Style: **Square Reflector**

Item: **EKCL2541W** (All White)
EKCL2541BB (All Black)
EKCL2541B (Black/White Ring)



Style: **Adjustable Pinhole**

Item: **EKCL2588W** (All White)
EKCL2588B (All Black)
EKCL2588BZ (All Bronze)

2″ KOTO™ CANLESS ROUND TRIMLESS

Style: **Adjustable Trimless Reflector**

Item: **ELK215W** (All White)
ELK215B (All Black)



Style: **Trimless Spackle Frame**

Item: **EL2SFR**
For use with ELK215

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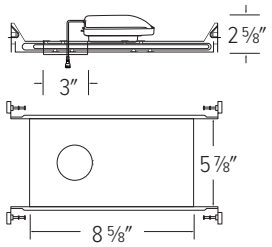
PRODUCT DIMENSIONS

CANLESS KOTO™ FRAMES AND REMODEL/RETROFIT POWER PACK

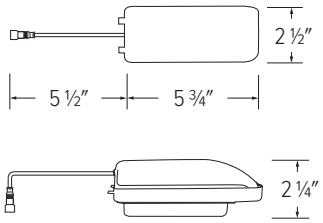
E2KCL10IC
CANLESS KOTO™ 2″ NEW CONSTRUCTION FRAME WITH POWER PACK





Hanger Bars Included

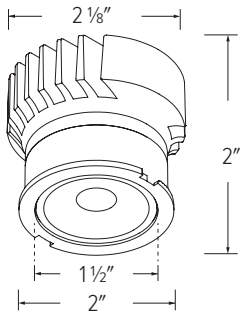
EKCL10RIC
CANLESS KOTO™ REMODEL/RETROFIT POWER PACK





CANLESS KOTO™ LED MODULE

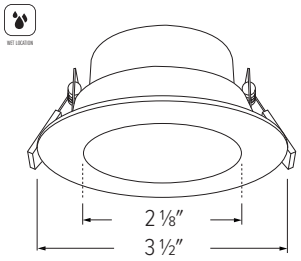
EKCL21
CANLESS KOTO™ LED MODULE





KOTO™ CANLESS TRIMS

EKCL2818 - 2″ ROUND DEEP REFLECTOR

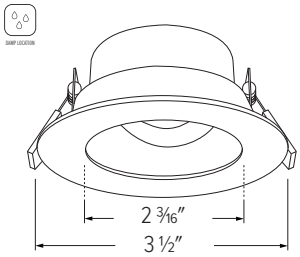


3 5⁄8″ Height (Trim + Module)



W (All White) **B** (Black/White)
BB (All Black) **H** (Haze/White)
BZ (All Bronze)

EKCL2829 - 2″ ROUND ADJUSTABLE REFLECTOR

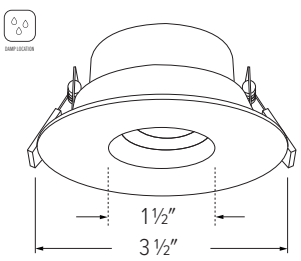


3 ¼″ Height (Trim + Module)
360° Rotation - 30° Tilt



W (All White) **B** (Black/White)
BB (All Black) **H** (Haze/White)
BZ (All Bronze)

EKCL2827 - 2″ ROUND ADJUSTABLE PINHOLE

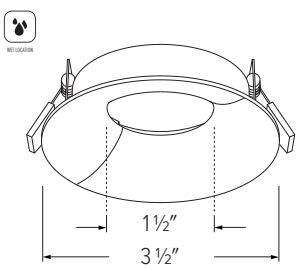


3 5⁄16″ Height (Trim + Module)
360° Rotation - 30° Tilt



W (All White) **BZ** (All Bronze)
BB (All Black) **B** (Black/White)

EKCL2872 - 2″ ROUND CURVED REFLECTOR



3 3⁄16″ Height (Trim + Module)



W (All White)
B (All Black)

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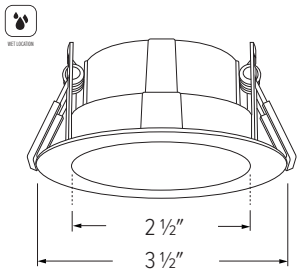
PRODUCT DIMENSIONS

KOTO™ CANLESS TRIMS

EKCL2863 - 2″ ROUND SLEEK REFLECTOR



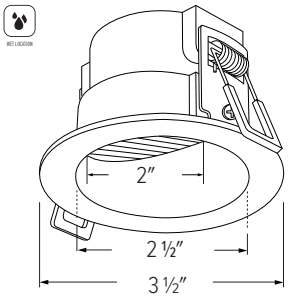
3 ¼″ Height (Trim + Module)



W (All White)

BB (All Black)

EKCL2883 - 2″ ROUND SLEEK LENSED WALL WASH REFLECTOR

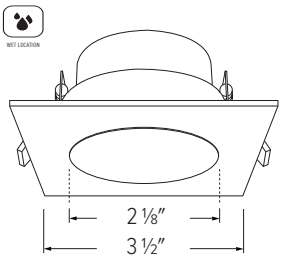




W (All White)

BB (All Black)

EKCL2518 - 2″ SQUARE DEEP REFLECTOR



3 ⁹⁄₁₆″ Height (Trim + Module)

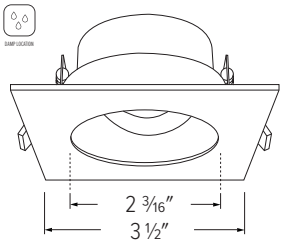


W (All White)

BB (All Black)

B (Black/White)

EKCL2529 - 2″ SQUARE ADJUSTABLE REFLECTOR



3 ⁹⁄₃₂″ Height (Trim + Module)
358° Rotation - 30° Tilt

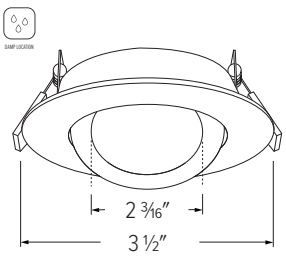


W (All White)

BB (All Black)

B (Black/White)

EKCL2888 - 2″ ROUND GIMBAL



2 ⅝″ Height (Trim + Module) - 30° Tilt

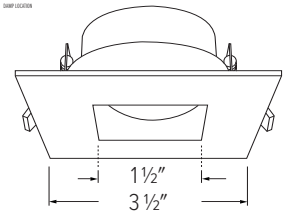


W (All White)

B (All Black)

BZ (All Bronze)

EKCL2527 - 2″ SQUARE ADJUSTABLE PINHOLE



3 ⁹⁄₃₂″ Height (Trim + Module)
358° Rotation - 30° Tilt

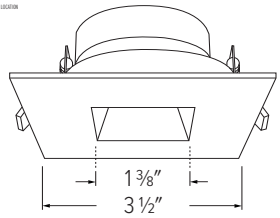


W (All White)

BB (All Black)

B (Black/White)

EKCL2541 - 2″ SQUARE REFLECTOR



3 ⅝″ Height (Trim + Module)

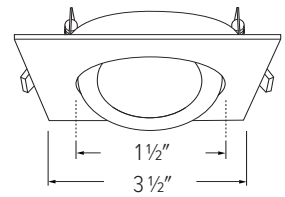


W (All White)

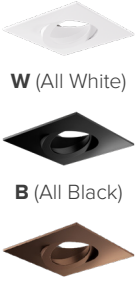
BB (All Black)

B (Black/White)

EKCL2588 - 2″ SQUARE GIMBAL



2 ⅝″ Height (Trim + Module) - 30° Tilt



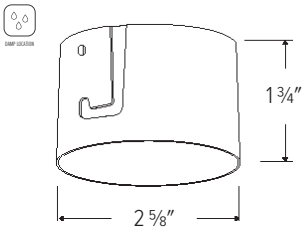
W (All White)

B (All Black)

BZ (All Bronze)

KOTO™ CANLESS TRIMLESS

ELK215 - 2″ ROUND ADJUSTABLE TRIMLESS REFLECTOR



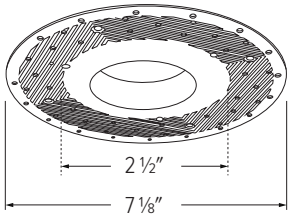
Requires ELSFR (Sold Separately)



W (All White)

B (All Black)

EL2SFR - 2″ ROUND TRIMLESS SPACKLE FRAME



For use with ELK215



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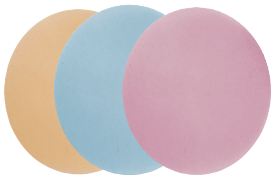
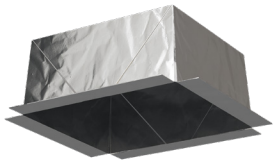
ACCESSORIES

LENS & OPTICS (field changeable)

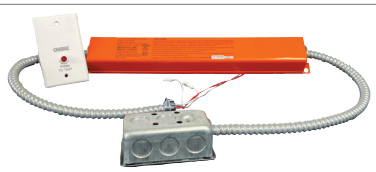
FIELD CHANGEABLE LENS		HEX LOUVER	LINEAR LENS	SPREAD LENS
				
EP731C (18°) / **EP732C** (25°) **EP733C** (38°) / **EP734C** (60°)	**EP739C** (90°)	**L45** (Black) / **L57** (White) For a better glare shield	**L46** For a wide rectangular illumination pattern	**L47** For a symmetrical broadening of light beams

FROSTED DIFFUSER	COLOR SHIFTERS	SINGLE ASYMMETRIC LENS	DOUBLE ASYMMETRIC LENS	SNOOTS
				
L49 For a softer light	**L51** (Color temp. reducer) **L52** (Blue) / **L53** (Pink)	**L54** For elliptical illumination pattern	**L55** For elliptical illumination pattern	**L50W** (White) / **L50B** (Black) Reduces glare and light spill

FIRE RATED PRODUCTS

1-HOUR FIRE ENCLOSURE FOR RECESSED FIXTURES	MICA ADHESIVE FIRE TAPE FOR FIRE ENCLOSURE	2-HOUR FIRE COVER FOR RECESSED FIXTURES
		
FIREENCL Standard - 9″ H x 20 ⅜″ L x 14 ⅜″ W **FIREENCL-S** Shallow (-S) - 7 ¼″ H x 16″ L x 14 ⅜″ W Provides fire barrier around recessed lights. ETL approved 1-hour fire rating. Meets UL 263, ASTM E119 Specifications. To be used with Mica Tape to seal the power feeding point. (FIRETAPE sold separately)	**FIRETAPE** ¾″ W x 16′ L Fire proof mica adhesive tape helps seal the power feeding point on Fire Enclosure. Offers outstanding high temperature and flame resistance, and provides excellent electrical insulation.	**FIRECVR** 9 ¾″ H x 17″ O.D. x 13″ I.D. Made of heat activated intumescent material. UL approved for most ceiling types: sheetrock drywall, gypsum & acoustical tiles. UL Rated enclosure stops flame spread and heat transmission for up to 2 hours.

EMERGENCY BATTERY BACKUP

EMERGENCY BATTERY BACKUP

KEM-ERT 90 minutes of emergency operation. Input: 100-277VAC, 50/60Hz., 25W Max Output: 170VDC, 25W Charging time: 36 hours cUL listed - Suitable for damp location

PLASTER FRAME FOR POWER PACK

PLASTER FRAME FOR POWER PACK

E2LKF1 Optional 2″ new construction plaster frame with hanger bars for remodel power packs (sold separately).

ACCESSORY

EXTENSION CABLES

EKCL48EXT 4 ft - 48″ L **EKCL120EXT** 10 ft - 120″ L Extension cord with push-&-twist connection for easy module/power pack installation

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TECHNICAL DETAILS

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

Construction (Light Engine): Diecast aluminum body with heat fins allow for efficient cooling.

Installation (Light Engine): Twist-on design for toolless trim installation, for use with Canless Koto™ trims only. Can be use with New Construction Frames or Remodel IC Power Packs.

Hanger Bars: Pre-installed hanger bars with True Nail easy installation in regular lumber, engineered lumber, and laminated beams. Integral T-bar slots for easy installation in T-bars. Spans up 24" and can be repositioned 90º. Score lines allow for tool-free hanger bar size reduction. Integral leveling flange allows for single-person installation while easily aligning the housings with the joists.

LED Technology: Extremely accurate Color Rendering Index (CRI) of 95+. Lumen Maintaince 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. No LED pixilation.

Electrical: Drivers are rated for 120V or 120/277V input. High Efficiency driver with a power factor >0.95.

Dimming: Triac/ELV dimming (5%) or Triac/ELV/0-10V dimming (1%)

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 (SDD)" in the Color Temperature (CCT) attribute.

Human Centric: Our HUMAN CENTRIC items start at 4000K and go as low as 2200K when dimmed. For Human Centric dim technology be sure to order an item with "Human Centric (HCD)" in the Color Temperature (CCT) attribute.

Emergency Battery Pack: Optional 25W MAX. 90 minute battery backup 2″, 3″, 4″ & 6″ accessible from below.

Listings: UL and cUL Listed for Damp Location with Damp Location trims and Wet Location with Wet Location trims. IC Rated for direct contact with insulation. RoHS Compliant. Title 24 JA8-2022 E-Compliant.

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

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DIMMER COMPATIBILITY CHART

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
120V - Triac/ELV Dimmers for E2KCL10IC, E3KCL10IC, E4KCL10IC, E6KCL10IC, and EKCL10RIC Series			
Leviton	120V AC, Decora SureSlide® Single Pole with Slide -to-Off	6672	15% - 100%
	120V AC, Leviton Dimmer	1K35O2	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 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%
	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%
	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%
	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.

Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross refrence that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.

amazon alexa | Google Assistant | Apple HomeKit | INSTEON | LUTRON | wemo

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DIMMER COMPATIBILITY CHART

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
Triac/ELV Type Dimmers - 120V Only for E2KCL10ICDX, E3KCL10ICDX, E4KCL10ICDX, E6KCL10ICDX, and EKCL10RICDX Series			
Lutron	120V AC, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way	RRD-6CL	1% - 100%
	120V AC 60Hz, 150W LED/CFL/Incandescent/Halogen, Single Pole, 3-Way,	DVCL-153P	1% - 100%
	120V 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way	TGCL-153P	1% - 100%
	120V AC 60Hz, 300W Electronic Low Voltage, 3-Way, Commercial/Residential Application	DVELV-303P	1% - 100%
	120V, 600W Incandescent/Halogen, Single Pole, Residential Indoor Application	TG-600P	1% - 100%
	120V, 1000W Incandescent or 600W Magnetic Low Voltage, Single Pole, 3-Way	CT103P	1% - 100%
	120V AC 60Hz, 600W Electronic Low Voltage, Single Pole/Multi-Location	MAELV600	1% - 100%
	120V AC 60Hz, 500W Electronic Low Voltage, Single Pole/Multi-Location	FAELV500	1% - 100%
	120V AC 60Hz, 600W Incandescent/Halogen, Single Pole, Slide-to-Off Dimmer	S-600P	1% - 100%
	120V AC 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way	SCL-153P	1% - 100%
	Caséta® Wireless Dimmer	PD-6WCL	1% - 100%
	120V AC 60Hz, Low Voltage Load Type, 150W Single Pole	DVLV-600P	5% - 100%
	120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way, Residential and Commercial Application	DV-603P	1% - 100%
	120V AC, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way, Indoor Application	MA-PRO	1% - 100%
	120V AC 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way	MACL-153M	1% - 100%
Leviton	120V AC 60Hz, 300W Electronic Low Voltage, 400 Volt Amp, Single Pole, 3-Way	IPE04	1% - 100%
	120V AC 60Hz, 300W CFL or 600W Incandescent, 400 Volt Amp, Single Pole, 3-Way	6673-10W	1% - 100%
	120V AC, 600W Incandescent with LED Locator, Single Pole, 3-Way	VP106	1% - 100%
	120V AC 60Hz, 500W Incandescent with LED Level Indicator, Single Pole, 3-Way	6161	1% - 100%
	120V AC, 150W LED/CFL or 600W Incandescent, Single Pole, 3-Way	6674	1% - 100%
Eaton	120V AC, 300W LED/CFL or 600W Incandescent/MLV/Halogen, Single Pole, 3-Way	TAL06P1-C1	1% - 100%
Cooper	120V AC 60Hz, 300W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way	SLC03P / DAL06P	1% - 100%
	120V AC 60Hz, 300W LED/CFL or 600W Incandescent, Single Pole, 3-Way, Residential	DLC03P	1% - 100%
	120V AC 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way	RI061-VW-K2	1% - 100%
	120V AC 60Hz, 300W LED/CFL/ Incandescent/Halogen, Single Pole, 3-Way	AAL06A-C2	1% - 100%
Lightolier	120V, 260W Incandescent/Halogen, Single Pole, 3-Way,	ZP260QEW	1% - 100%

0-10V Type Dimmers - 120/277V for E2KCL10ICDX, E3KCL10ICDX, E4KCL10ICDX, E6KCL10ICDX, and EKCL10RICDX Series			
Lutron	120/277V AC, 0-10V LED/CFL Ballast, Single Pole, 3-Way	NFTV	1% - 100%
	120/277V AC, 0-10V, Single Pole, 3-Way, Commercial and Residential, Indoor Application	DVSTV	1% - 100%
	120/277V AC 50/60Hz, 0-10V LED/CFL Ballast, Single Pole, 3-Way, Indoor Application	DVTV	1% - 100%
Leviton	120/277V AC 60Hz, 0-10V LED/CFL Ballast, Single Pole, 3-Way	IP710-DL	1% - 100%

*NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details

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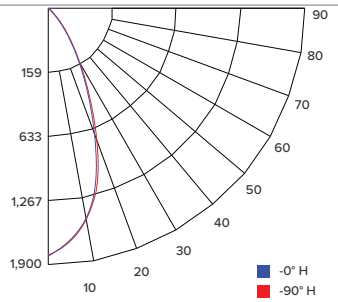
CANLESS KOTO™ LED MODULE

PHOTOMETRIC REPORT

Product #: EKCL2127D
Wattage / Lumens: 12.22W / 1169.3 lm
Luminaire LPW: 95.69 lm/W



CANDLE POWER SUMMARY	
Degress Vertical	0°
0	1829
5	1737
15	1353
25	683
35	328
45	123
55	39
65	17
75	8
85	2
90	1

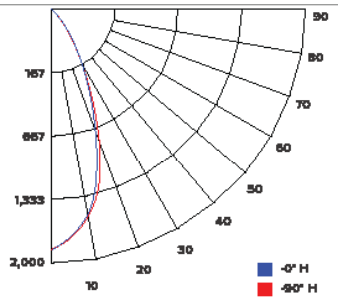
ILLUMINANCE AT A DISTANCE		
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4′	114	3.1
6′	50.8	4.6
8′	28.6	6.2
10′	18.3	7.7

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	834.5	71.2
0-40°	1,022.9	87.3
0-60°	1,140.0	97.3
0-90°	1,164.3	99.4

PHOTOMETRIC REPORT

Product #: EKCL2130D (1)
Wattage / Lumens: 12.22W / 1218 lm
Luminaire LPW: 99.67 lm/W



CANDLE POWER SUMMARY	
Degress Vertical	0°
0	1900
5	1805
15	1406
25	710
35	341
45	127
55	41
65	17
75	9
85	2
90	1

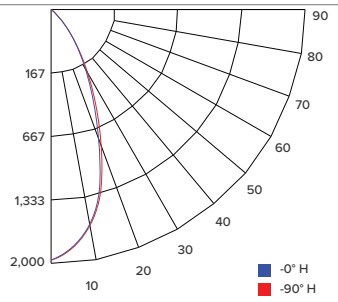
ILLUMINANCE AT A DISTANCE		
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4′	119	3.1
6′	52.8	4.6
8′	29.7	6.2
10′	19.0	7.7

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	867.0	71.2
0-40°	1,062.8	87.3
0-60°	1,184.4	97.3
0-90°	1,209.7	99.4

PHOTOMETRIC REPORT

Product #: EKCL2135D
Wattage / Lumens: 12.22W / 1271 lm
Luminaire LPW: 104.01 lm/W



CANDLE POWER SUMMARY	
Degress Vertical	0°
0	1976
5	1877
15	1462
25	738
35	355
45	133
55	43
65	18
75	9
85	2
90	1

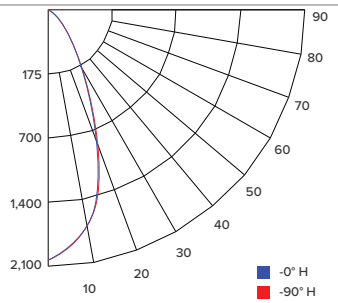
ILLUMINANCE AT A DISTANCE		
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4′	124	3.1
6′	54.9	4.6
8′	30.9	6.2
10′	19.8	7.7

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	901.7	71.2
0-40°	1,105.3	87.3
0-60°	1,231.8	97.3
0-90°	1,258.1	99.4

PHOTOMETRIC REPORT

Product #: EKCL21040D
Wattage / Lumens: 12.22W / 1322 lm
Luminaire LPW: 108.18 lm/W



CANDLE POWER SUMMARY	
Degress Vertical	0°
0	2051
5	1948
15	1518
25	766
35	368
45	138
55	44
65	19
75	9
85	2
90	1

ILLUMINANCE AT A DISTANCE		
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4′	128	3.1
6′	57.0	4.6
8′	32.1	6.2
10′	20.5	7.7

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	935.9	71.2
0-40°	1,147.2	87.3
0-60°	1,278.5	97.3
0-90°	1,305.8	99.4

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