

2" ARCHITECTURAL KOTO™
DOWNLIGHTING SYSTEM

14.7W-18.9W, 2700K-4000K, or Sunset, Up to 1950 lm,
120V or 120/277V

THE ARCHITECTURAL
KOTO™ SYSTEM

The high quality residential grade downlight with a
2" aperture with lumen output up to 1950 lumens.

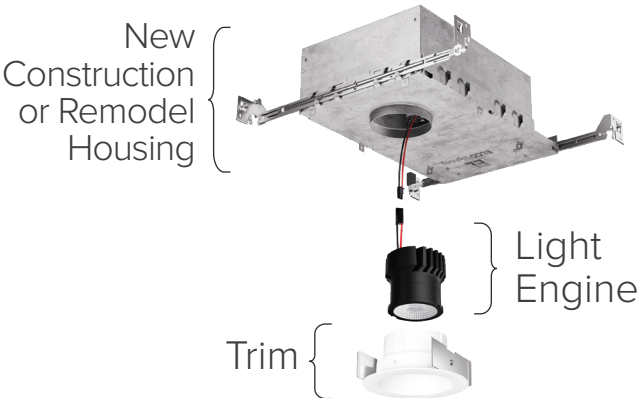


FEATURES

- Driver on housing extends lifespan and allows for more dimming options and applications
- Lumen output based on housing and module
- Driver on Housing: 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
- Title 24 JA8-2022-E Compliant. ENERGY STAR Compliant
- Covered by U.S. PATENTS and Patents Pending

SET UP

1. Select a Housing.
2. Select a Koto™ Architectural LED Light Engine.
3. Select a Trim.



SPECIFICATIONS

Wattage	14.7W - 18.9W
Lumens	1000 lm - 1950 lm
Voltage	120V or 120/277V
Color Temp.	2700K, 3000K, 3500K, 4000K, or Sunset
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



PRODUCT NUMBER BUILDER

STEP 1. Specify Housing part number (Select one) Example: E2LK34ICA

2" MAXIMUM ADJUSTABILITY IC AIRTIGHT NEW CONSTRUCTION HOUSINGS

ITEM	WATTAGE		VOLTAGE/DIMMING		EMERGENCY BATTERY BACKUP
E2LK					
E2LK	34	14.7W (Shallow - 3 ½" Height)	ICA	120V - Triac/ELV IC Airtight	-EM5 ² 25W MAX - 120/277V -EM7 ³ 15W MAX - 120V
	41'	15.7W (5 ½" Height)			
	94'	18.9W (5 ½" Height)			
	35	14.7W (Shallow - 3 ½" Height)	ICAD	120/277V - 0-10V/Triac/ELV IC Airtight	
	42'	15.7W (5 ½" Height)			
	95'	18.9W (5 ½" Height)			
	¹ Not to be used with ELK19 Series				² Requires access above ceiling ³ For E2LK34ICA & E2LK35ICA (14.7W) only with 5 ½" tall box, accessible from below

2" Extension Collar for Koto Housings

ELK2X-125 Allows the housing to install in ceiling thicknesses up to 1.25"

STEP 2. Specify Architectural Koto™ LED Light Engine part number (Select one)

Example: ELK2127D

ITEM	LUMENS		COLOR TEMPERATURE		BEAM ANGLE	
ELK						
ELK	Architectural Koto LED Light Engine					
	19 ¹	1000	27D	2700K	(Blank)	38° ⁴
	21 ¹	1200-1650	30D	3000K	-S	18°
	24 ¹	1400-1950	35D	3500K	-N	25°
			40D	4000K	-W	60°
			SD ^{2,3}	Sunset	-E	90° ⁵
			AMD ²	Turtle Friendly Amber LED		
	¹ Lumen output varies based on the Architectural Koto Housing used (SEE CHART)		² Available with ELK19 module only. ³ Sunset, Dim to Warm technology, dims from 3000K to 1800K.		⁴ 38° installed on module with 25° & 60° included in the box ⁵ 90° available with frosted reflector only	
	Architectural Koto FOCUS LED Light Engine					
	21 ¹	1050-1200	27D	2700K	-FC ⁶	18°-50°
			30D	3000K		
			35D	3500K		
			40D	4000K		
	¹ Lumen output varies based on the Architectural Koto Housing used (SEE CHART)				⁶ Adjustable Focus offers 18°-50° with a twist of the snoot.	

Field Changeable Secondary Module Optics (Not Compatible with Koto Focus Module)											
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

Nominal Delivered Lumens (Housing + Module)			
Compatible Architectural Housings Lumen Output (Per Module)	Shallow Housings (14.7W) E2LK3 Series	High Lumen Housings (15.7W) E2LK4 Series	High Lumen Housings (18.9W) E2LK9 Series
Architectural Koto™ LED Module			
ELK19 Series	~1000 lm	Not Compatible	Not Compatible
ELK21 Series	~1200 lm	~1400 lm	~1650 lm
ELK24 Series	~1400 m	~1750 lm	~1950 lm
Architectural Koto™ FOCUS LED Module			
ELK21XXD-FC Series	~1050 lm	~1200 lm	Not Compatible

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	0.85	90°	0.95

PRODUCT NUMBER BUILDER

STEP 3. Specify Trim part number (Select one)

2" KOTO™ ROUND TRIMS



Style: **Fixed Deep Reflector**
Item: **ELK2818W** (All White)
ELK2818BB (All Black)
ELK2818BZ (All Bronze)
ELK2818B (Black/White Ring)
ELK2818H (Haze/White Ring)



Style: **Adjustable Reflector**
Item: **ELK2829W** (All White)
ELK2829BB (All Black)
ELK2829BZ (All Bronze)
ELK2829B (Black/White Ring)
ELK2829H (Haze/White Ring)



Style: **Adjustable Pinhole**
Item: **ELK2827W** (All White)
ELK2827BB (All Black)
ELK2827BZ (All Bronze)
ELK2827B (Black/White Ring)



Style: **Curved Reflector**
Item: **ELK2872W** (All White)
ELK2872B (All Black)



Style: **Adjustable Gimbal**
Item: **ELK2888W** (All White)
ELK2888B (All Black)
ELK2888BZ (All Bronze)



Style: **Sleek Reflector**
Item: **ELK2863W** (All White)
ELK2863BB (All Black)



Style: **Sleek Lensed Wall Wash Reflector**
Item: **ELK2883W** (All White)
ELK2883BB (All Black)

2" KOTO™ SQUARE TRIMS



Style: **Fixed Deep Reflector**
Item: **ELK2518W** (All White)
ELK2518BB (All Black)
ELK2518B (Black/White Ring)



Style: **Adjustable Reflector**
Item: **ELK2529W** (All White)
ELK2529BB (All Black)
ELK2529B (Black/White Ring)



Style: **Adjustable Pinhole**
Item: **ELK2527W** (All White)
ELK2527BB (All Black)
ELK2527B (Black/White Ring)



Style: **Square Reflector**
Item: **ELK2541W** (All White)
ELK2541BB (All Black)
ELK2541B (Black/White Ring)



Style: **Adjustable Pinhole**
Item: **ELK2588W** (All White)
ELK2588B (All Black)
ELK2588BZ (All Bronze)

2" KOTO™ ROUND TRIMLESS



Style: **Adjustable Trimless Reflector**
Item: **ELK215W** (All White)
ELK215B (All Black)

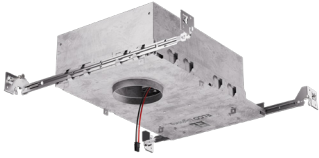
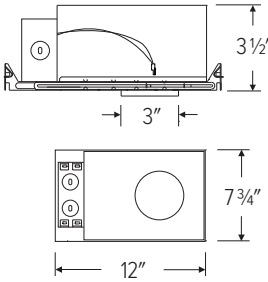


Style: **Trimless Spackle Frame**
Item: **EL2SFR**
For use with ELK215

PRODUCT DIMENSIONS

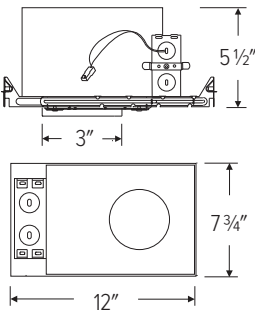
ARCHITECTURAL KOTO™ IC AIRTIGHT RECESSED HOUSINGS

E2LK34/E2LK35
MAXIMUM ADJUSTABILITY SHALLOW NEW CONSTRUCTION HOUSING



-EM7 housing is 5 1/2" tall

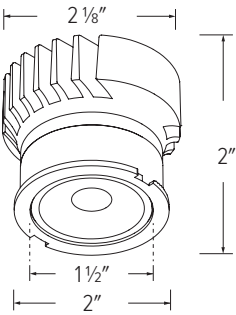
E2LK41/E2LK42/E2LK94/E2LK95
MAXIMUM ADJUSTABILITY NEW CONSTRUCTION HOUSING



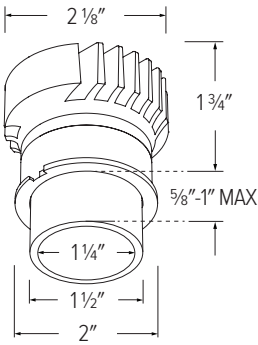
For use with ELK21 & ELK24 Series only

ARCHITECTURAL KOTO™ LED LIGHT ENGINES

ELK19/ELK21/ELK24
ARCHITECTURAL KOTO™ LED LIGHT ENGINE



ELK2127D-FC/ELK2130D-FC/ELK2135D-FC/ ELK2140D-FC
ARCHITECTURAL KOTO™ FOCUS LED LIGHT ENGINE



KOTO™ ROUND TRIMS

PRODUCT DIMENSIONS

KOTO™ ROUND TRIMS

ELK2827 - 2" ROUND ADJUSTABLE PINHOLE

1 3/8"

1 1/2"

3 1/2"

358° Rotation - 30° Tilt

W (All White) **BZ** (All Bronze)

BB (All Black) **B** (Black/White)

ELK2872 - 2" ROUND CURVED REFLECTOR

1"

1 1/2"

3 1/2"

W (All White)

B (All Black)

ELK2888 - 2" ROUND GIMBAL

3/4"

2 3/16"

3 1/2"

30° Tilt

W (All White)

B (All Black)

BZ (All Bronze)

ELK2818 - 2" ROUND DEEP REFLECTOR

1 1/2"

2 1/8"

3 1/2"

W (All White) **B** (Black/White)

BB (All Black) **H** (Haze/White)

BZ (All Bronze)

ELK2829 - 2" ROUND ADJUSTABLE REFLECTOR

1 1/2"

2 3/16"

3 1/2"

360° Rotation - 30° Tilt

W (All White) **B** (Black/White)

BB (All Black) **H** (Haze/White)

BZ (All Bronze)

ELK2863 - 2" ROUND SLEEK REFLECTOR

1 1/2"

2 1/2"

3 1/2"

W (All White)

BB (All Black)

ELK2883 - 2" ROUND SLEEK LENSED WALL WASH REFLECTOR

1 1/2"

1 3/8"

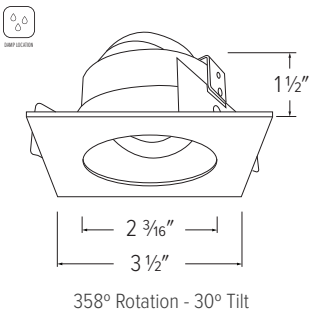
3 1/2"

W (All White)

BB (All Black)

PRODUCT DIMENSIONS

KOTO™ SQUARE TRIMS



ELK2529 - 2" SQUARE ADJUSTABLE REFLECTOR

358° Rotation - 30° Tilt



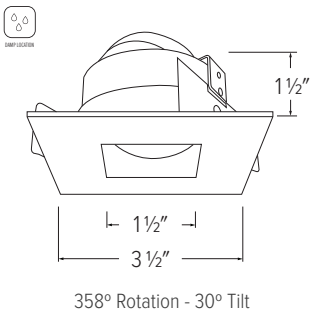
W (All White)



BB (All Black)



B (Black/White)



ELK2527 - 2" SQUARE ADJUSTABLE PINHOLE

358° Rotation - 30° Tilt



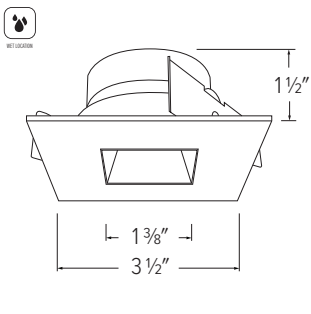
W (All White)



BB (All Black)



B (Black/White)



ELK2541 - 2" SQUARE REFLECTOR



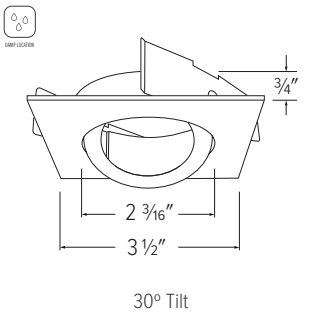
W (All White)



BB (All Black)



B (Black/White)



ELK2588 - 2" SQUARE GIMBAL

30° Tilt



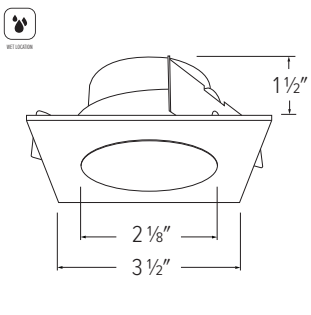
W (All White)



B (All Black)



BZ (All Bronze)



ELK2518 - 2" SQUARE DEEP REFLECTOR



W (All White)

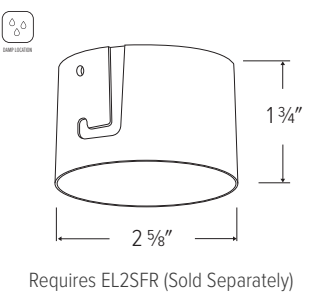


BB (All Black)



B (Black/White)

KOTO™ TRIMLESS



ELK215 - 2" ROUND ADJUSTABLE TRIMLESS REFLECTOR

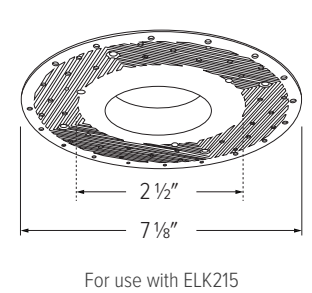
Requires EL2SFR (Sold Separately)



W (All White)



B (All Black)



EL2SFR - 2" ROUND TRIMLESS SPACKLE FRAME

For use with ELK215



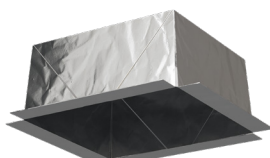
ACCESSORIES

LENS & OPTICS (field changeable)

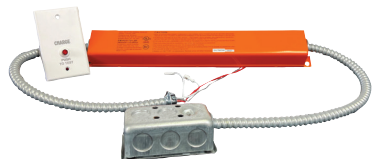
FIELD CHANGEABLE LENS		HEX LOUVER	LINEAR LENS	SPREAD LENS
				
EP731C (18°) / EP732C (25°) EP733C (38°) / EP734C (60°)		L45 (Black) / L57 (White) For a better glare shield	L46 For a wide rectangular illumination pattern	L47 For a symmetrical broadening of light beams

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 3/8" L x 14 3/8" W FIREENCL-S Shallow (-S) - 7 1/4" H x 16" L x 14 3/8" 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 3/4" 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 3/4" 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

HOUSING ACCESSORY

2" EXTENSION COLLAR

ELK2X-125 It allows the housing to install in ceiling thicknesses up to 1.25"

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 Koto™ trims only.
Can be use in 2", 3", 4" & 6" Architectural Koto™ Housings only.

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 90°. 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 Maintainece 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.

Emergency Battery Pack: Optional 25W MAX. 90 minute battery backup for 2" requires access from above the ceiling.

Listings: UL & cUL Listed for Damp Location with Damp Location trims and Wet Location with Wet Location trims. RoHS Compliant. ENERGY STAR® Compliant. Title 24 JA8-2022 E-Compliant.

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

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 E2LK35, E2LK42, E2LK95, E3LK77, E3LK54, E3LK85, E3LK66, ELK73FICA, E4LK99, E4LK48, E4LK79, E4LK88, E4JB85, ELK94FICA, E6LK44, E6LK57, E6LK38 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	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			
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**

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 reference that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.



DIMMER COMPATIBILITY CHART

FOR REFERENCE ONLY

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MANUFACTURER	PRODUCT	PART NUMBER	DIMMED LIGHT OUTPUT RANGE
120V - Triac/ELV Dimmers for E2LK34, E2LK41, E2LK94, E2LK57, E3LK76, E3LK53, E3LK84, E3LK65, E4LK98, E4LK47, E4LK78, E4LK87, E4JB85, E6LK43, E6LK56, E6LK37, ELK72FICA, ELK93FICA Series			
Cooper	Decorator Dimmer, 120V 60Hz, 300W LED and CFL, 600W Incandescent, Single Pole, 3-Way, Polycarbonated Housing	DLC03P	10% - 100%
Leviton	120V AC 60Hz, 300W Electronic Low Voltage, Single Pole, 3-Way,	1A1505 / 1C1605	10% - 100%
	120V AC 60Hz, 600W for LED and CFL, 600W for Incandescent, Single Pole, 3-Way, Polycarbonated Housing	6631 / 6633	5% - 100%
Lutron	Skylark Model, 120V AC 60Hz, 600W Incandescent/Halogen Load Type, Single Pole, 3-Way, Commercial/Residential, Indoor Application	CT-603PG CT-600PR	10% - 100%
	Diva Model, 120V 60Hz, 600W Incandescent/Halogen Load Type, Single Pole, 3-Way, Residential Grade Application	DV-600PR DV603PG	10% - 100%
	Diva Model, 120V AC 60Hz, 600W Incandescent/Halogen Load Type, Single Pole, 3-Way, Commercial/Residential	DVW-603PGH DVCL-153P	10% - 100%
	Maestro Model, 120V AC 60Hz, 150W for LED and CFL, 600W for Incandescent/Halogen Load Rating, Single Pole, 3-Way, Multi-Location Operation, Commercial/Residential, Indoor Application	MACL-153M TGCL-153P	10% - 100%
	Skylark Model, 120V AC 60Hz, 300W Incandescent/Halogen Load Type, Single Pole, 3-Way, Commercial/Residential	S-600PR S-2-LH	5% - 100%

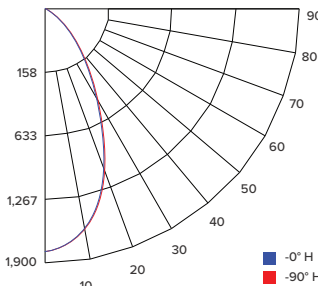
***NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details**

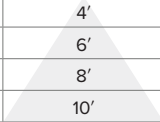
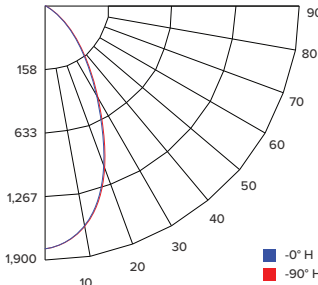
Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.

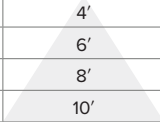
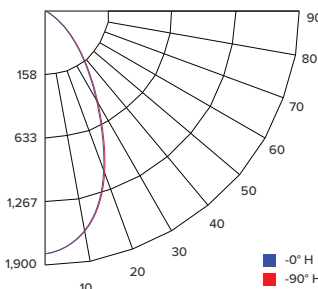
Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross reference that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.

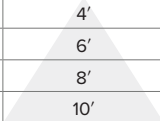
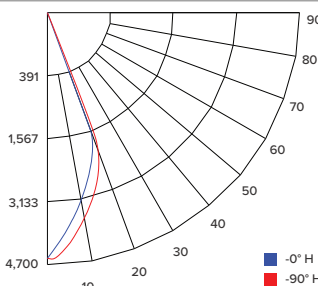


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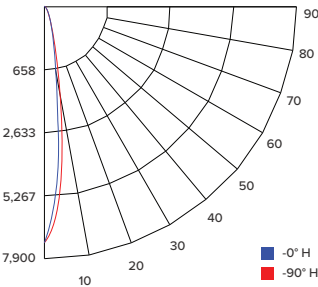
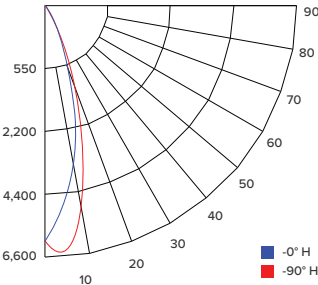
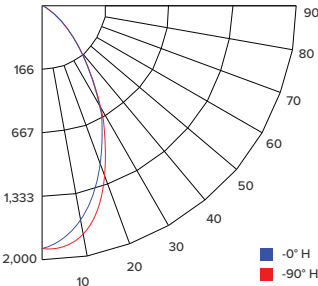
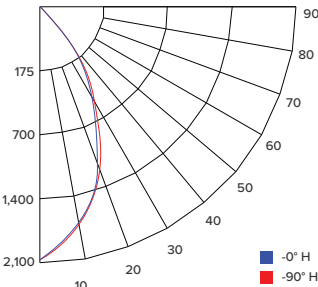
PHOTOMETRIC REPORT		CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELK2127D Wattage / Lumens: 12.22W / 1169.3 lm Luminaire LPW: 95.7 lm/W		Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
		0	1829		114	3.0'
		5	1737		50.8	4.6'
		15	1353		28.6	6.1'
		25	683		18.3	7.6'
	35	328	ZONAL LUMEN SUMMARY			
	45	123				
	55	39	Zone	Lumens	%Luminaire	
	65	17	0-30°	834.5	71.2	
	75	8	0-40°	1,022.9	87.3	
	85	2	0-60°	1,140.0	97.3	
	90	1	0-90°	1,164.3	99.4	

PHOTOMETRIC REPORT		CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELK2130D-W (E4LK79ICAD) Wattage / Lumens: 17.9W / 1584.3 lm Luminaire LPW: 88.5 lm/W		Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
		0	1880		118	3.9'
		5	1753		52.2	5.9'
		15	1396		29.4	7.9'
		25	892		18.8	9.8'
	35	399	ZONAL LUMEN SUMMARY			
	45	170				
	55	50	Zone	Lumens	%Luminaire	
	65	21	0-30°	1,042.6	65.8	
	75	11	0-40°	1,346.3	85	
	85	6	0-60°	1,545.5	97.6	
	90	5	0-90°	1,584.0	100	

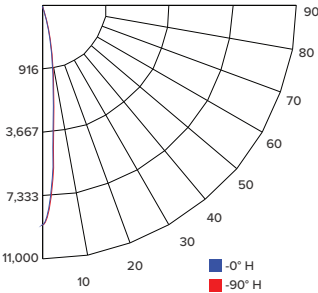
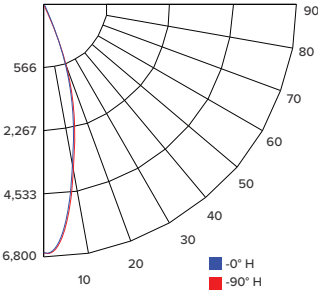
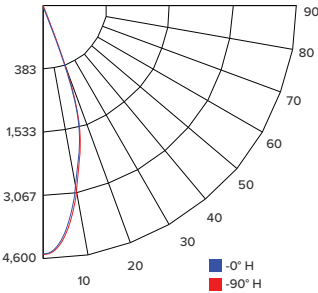
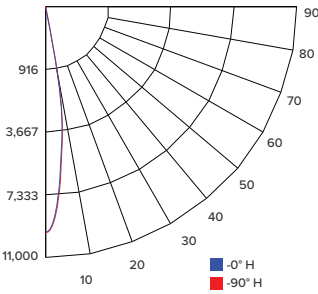
PHOTOMETRIC REPORT		CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELK2135D Wattage / Lumens: 12.22W / 1271 lm Luminaire LPW: 104 lm/W		Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
		0	1976		124	3.0'
		5	1877		54.9	4.6'
		15	1462		30.9	6.1'
		25	738		19.8	7.6'
	35	355	ZONAL LUMEN SUMMARY			
	45	133				
	55	43	Zone	Lumens	%Luminaire	
	65	18	0-30°	901.7	71.2	
	75	9	0-40°	1,105.3	87.3	
	85	2	0-60°	1,231.8	97.3	
	90	1	0-90°	1,258.1	99.4	

PHOTOMETRIC REPORT		CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELK2135D (E4LK79ICAD) Wattage / Lumens: 15.95W / 1683.5 lm Luminaire LPW: 105.5 lm/W		Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
		0	4560		285	2.4'
		5	4053		127	3.5'
		15	2279		71.3	4.7'
		25	633		45.6	5.9'
	35	118	ZONAL LUMEN SUMMARY			
	45	68				
	55	47	Zone	Lumens	%Luminaire	
	65	26	0-30°	1,469.0	87.3	
	75	12	0-40°	1,563.6	92.9	
	85	5	0-60°	1,645.0	97.8	
	90	0	0-90°	1,682.4	100	

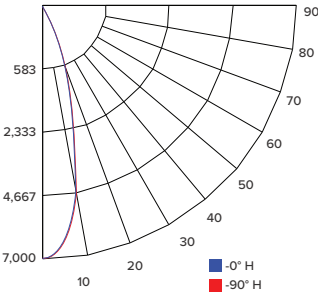
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PHOTOMETRIC REPORT		CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELK2135D-S (E4LK79ICAD) Wattage / Lumens: 18.8W / 1466.8 lm Luminaire LPW: 78 lm/W		Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
		0	7355	4'	294	1.8'
		5	4640	6'	131	2.6'
		15	976	8'	73.5	3.5'
		25	304	10'	47.1	4.4'
		35	119	ZONAL LUMEN SUMMARY		
		45	55			
		55	27	Zone	Lumens	%Luminaire
		65	10	0-30°	1,258.7	86
		75	0	0-40°	1,358.0	92.8
		85	0	0-60°	1,442.4	98.5
		90	0	0-90°	1,458.6	99.7
PHOTOMETRIC REPORT		CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELK2135D-N (E4LK79ICAD) Wattage / Lumens: 18.9W / 1585.1 lm Luminaire LPW: 83.8 lm/W		Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
		0	6310	4'	252	2.0'
		5	4684	6'	112	3.0'
		15	1771	8'	63.1	4.0'
		25	531	10'	40.4	5.0'
		35	114	ZONAL LUMEN SUMMARY		
		45	29			
		55	18	Zone	Lumens	%Luminaire
		65	11	0-30°	1,415.7	89.2
		75	0	0-40°	1,524.4	96.1
		85	8	0-60°	1,573.5	99.5
		90	6	0-90°	1,586.8	100
PHOTOMETRIC REPORT		CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELK2135D -W (E4LK79ICAD) Wattage / Lumens: 17.9W / 1647.3 lm Luminaire LPW: 92 lm/W		Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
		0	1955	4'	122	3.9'
		5	1824	6'	54.3	5.9'
		15	1452	8'	30.6	7.9'
		25	928	10'	19.6	9.8'
		35	415	ZONAL LUMEN SUMMARY		
		45	177			
		55	52	Zone	Lumens	%Luminaire
		65	21	0-30°	1,084.3	65.8
		75	11	0-40°	1,400.1	85
		85	6	0-60°	1,607.3	97.6
		90	5	0-90°	1,647.4	100
PHOTOMETRIC REPORT		CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELK2140D Wattage / Lumens: 12.22W / 1322 lm Luminaire LPW: 108.2 lm/W		Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
		0	2051	4'	128	3.0'
		5	1948	6'	57.0	4.6'
		15	1518	8'	32.1	6.1'
		25	766	10'	20.5	7.6'
		35	368	ZONAL LUMEN SUMMARY		
		45	138			
		55	44	Zone	Lumens	%Luminaire
		65	19	0-30°	935.9	71.2
		75	9	0-40°	1,147.2	87.3
		85	2	0-60°	1,278.5	97.3
		90	1	0-90°	1,305.8	99.4

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PHOTOMETRIC REPORT		CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELK2430D-S (E3LK84ICA) Wattage / Lumens: 18.7 W / 1754.1 lm Luminaire LPW: 93.8 lm/W 		Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
		0	9659	4'	604	1.4'
		5	6457	6'	268	2.1'
		15	1223	8'	151	2.8'
		25	353	10'	96.6	3.4'
		35	153	ZONAL LUMEN SUMMARY		
		45	80			
		55	49	Zone	Lumens	%Luminaire
		65	27	0-30°	1,442.4	82.2
		75	12	0-40°	1,559.7	88.9
		85	0	0-60°	1,680.9	95.8
		90	0	0-90°	1,729.5	98.5
PHOTOMETRIC REPORT		CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELK2430D-N (E3LK84ICA) Wattage / Lumens: 18.9 W / 1785.6 lm Luminaire LPW: 94.4 lm/W 		Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
		0	6675	4'	417	1.8'
		5	5912	6'	185	2.8'
		15	2693	8'	104	3.7'
		25	687	10'	66.7	4.6'
		35	146	ZONAL LUMEN SUMMARY		
		45	61			
		55	47	Zone	Lumens	%Luminaire
		65	32	0-30°	1,561.9	87.5
		75	16	0-40°	1,659.9	93
		85	5	0-60°	1,739.2	97.5
		90	0	0-90°	1,784.1	100
PHOTOMETRIC REPORT		CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELK2430D-N (E3LK84ICA) Wattage / Lumens: 18.9 W / 1785.6 lm Luminaire LPW: 94.4 lm/W 		Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
		0	4517	4'	181	3.2'
		5	4217	6'	80.3	4.7'
		15	2680	8'	45.2	6.3'
		25	883	10'	28.9	7.9'
		35	181	ZONAL LUMEN SUMMARY		
		45	90			
		55	56	Zone	Lumens	%Luminaire
		65	32	0-30°	1,575.0	84.4
		75	15	0-40°	1,707.2	91.5
		85	6	0-60°	1,820.7	97.6
		90	0	0-90°	1,865.9	100
PHOTOMETRIC REPORT		CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELK2435D-S (E4LK79ICAD) Wattage / Lumens: 18.7 W / 1795.2 lm Luminaire LPW: 96 lm/W 		Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
		0	9865	4'	395	1.6'
		5	6595	6'	175	2.3'
		15	1249	8'	98.7	3.1'
		25	361	10'	63.1	3.9'
		35	156	ZONAL LUMEN SUMMARY		
		45	82			
		55	50	Zone	Lumens	%Luminaire
		65	27	0-30°	1,473.2	82.2
		75	12	0-40°	1,593.0	88.9
		85	0	0-60°	1,716.8	95.8
		90	0	0-90°	1,766.4	98.5

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PHOTOMETRIC REPORT	CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
Product #: ELK2435D-N (E4LK79ICAD) Wattage / Lumens: 18.9 W / 1858 lm Luminaire LPW: 98.3 lm/W	Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
	0	6942	4'	278	2.3'
	5	6148	6'	123	3.4'
	15	2800	8'	69.4	4.6'
	25	715	10'	44.4	5.7'
	35	152	ZONAL LUMEN SUMMARY		
	45	64			
	55	48			
	65	33			
	75	17	Zone	Lumens	%Luminaire
	85	5	0-30°	1,624.3	87.5
	90	0	0-40°	1,726.3	93
			0-60°	1,808.7	97.5
			0-90°	1,855.4	100