ELCO Lighting

Project Name:
Fixture Type:
Date:

6" KOTO™ AIM DOWNLIGHTING SYSTEM

10W, 2700K, 3000K, 1000 lm, 120V



THE KOTO™ AIM SYSTEM

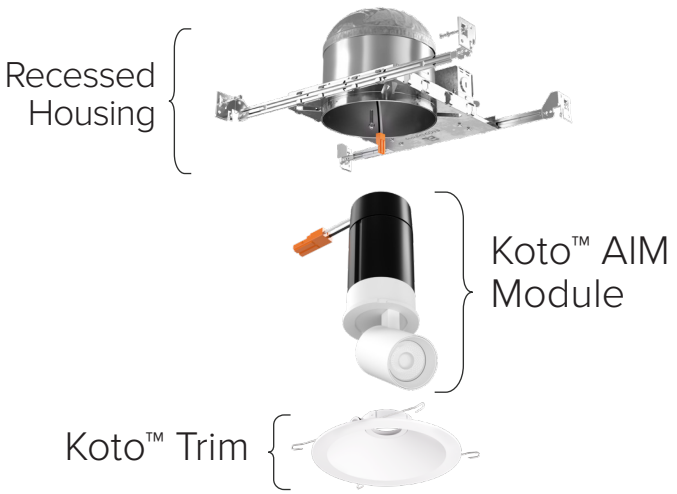
Designed for flexibility and precision, the Koto™ AIM System combines an adjustable LED module with interchangeable trims and field-changeable optics to direct light where it is needed. Its modular design simplifies installation, maintenance, and future upgrades, while a range of trim styles and beam angles provides the flexibility to achieve the desired lighting effect.

FEATURES

- Integral 120V, Triac/ELV dimmable driver on module for easy maintenance and upgrades
- 15°, 24°, 36° & 50° beam angle options
- Excellent color rendering 95+ CRI
- Title 24 JA8-2025-E Compliant
- ENERGY STAR Compliant
- Covered by U.S. PATENTS and Patents Pending

SET UP

1. Select a New Construction, Remodel Housing, or Retrofit Socket Adapter.
2. Select a Koto™ AIM LED Module.
3. Select a Trim.



SPECIFICATIONS

Lumens/Wattage	1000 lm (10W)
Voltage	120V
Color Temp.	2700K & 3000K
CRI	95+
Damp Location	UL Listed
Dimming	Triac/ELV (1%)
Beam Angle	15°, 24°, 36° & 50°
Finishes	All White, All Black

2042 E. Vernon Ave., Vernon, CA 90058 • Tel (323) 231-2600 Fax (323) 231-3200 • elcolighting.com
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PRODUCT NUMBER BUILDER

STEP 1. Specify Housing part number (Select one) Example: EL770ICA

6″ IC AIRTIGHT RECESSED HOUSINGS

ITEM	STYLE	ICA	OPTIONAL EMERGENCY BATTERY BACKUP
EL7			
	Standard New Construction/Remodel Housings		
	70[1] New Construction (7″ Height)	**ICA** IC Airtight	**(Blank)** No Battery Backup
	70R[2] Remodel (7 ½″ Height)		**-EM5**[2] 90 min., 25W MAX
	60[1] Shallow New Construction (5 ½″ Height)		
	60R[2] Shallow Remodel (5 ½″ Height)		
	[1] Collar adjustable up to 1 ½″ ceiling thickness [2] Remodel up to 1 ¼″ ceiling thickness		[2] Accessible from below the ceiling
	2-Hr Fire Rated New Construction Housing		
	6F[1] New Construction (7 ¾″ Height)	**ICA** IC Airtight	**(Blank)** No Battery Backup
			-EM5[2] 90 min., 25W MAX
	5F[1] Shallow New Construction (6 3⁄16″ Height)	**ICAS** IC Airtight	
	[1] Collar adjustable up to 1 ½″ ceiling thickness		[2] Access from above required

Socket Adapters for Retrofitting Existing ELCO Housings (Adapters to male Quick Connect)

PSA30	PSA31	PSA38	PSA38-4	PSA38-22
E26 Medium Base Adapter	GU10 Base Adapter	Hard Wire Adapter	4″ Hard Wire Adapter	22″ Rewiring Kit Hard Wire Adapter

STEP 2. Specify Koto™ LED Module part number (Select one) Example: ELK1027-AM-W

ITEM	COLOR TEMPERATURE		FINISHES	
ELK10				
	AIM Koto™ LED Module			
	27-AM	2700K	**-W**	All White
	30-AM	3000K	**-BB**	All Black

Koto™ Modules - Lumen Value Multiplier	
CCT	Multiplier
2700K	0.96
3000K	1

Field Changeable Secondary Module Optics

L63	L64
HEX LOUVER All Black	HEX LOUVER All White

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PRODUCT NUMBER BUILDER

STEP 3. Specify Trim part number (Select one)

6″ KOTO™ ROUND TRIMS



Style: **Round Reflector**
Item: **ELK6418W** (All White)
ELK6418BB (All Black)
ELK6418BZ (All Bronze)
ELK6418H (Haze/White Ring)



Style: **Adjustable Reflector**
Item: **ELK6429W** (All White)
ELK6429BB (All Black)
ELK6429BZ (All Bronze)
ELK6429H (Haze/White Ring)



Style: **Adjustable Pinhole Reflector**
Item: **ELK6427W** (All White)
ELK6427B (Black/White Ring)
ELK6427H (Haze/White Ring)

6″ KOTO™ SQUARE TRIMS



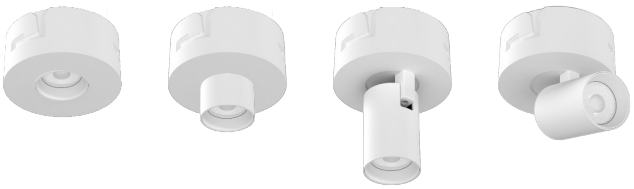
Style: **Adjustable Reflector**
Item: **ELK6829W** (All White)
ELK6829BB (All Black)
ELK6829H (Haze/White Ring)

STEP 3. Specify Trim part number (Select one)

KOTO™ AIM TRIMLESS 2″

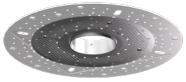


Style: **Koto™ AIM Trimless**
Item: **ELK273W** (All White)
ELK273B (All Black)
Must be used with Spackle Frame EDSR-2SFRD



ELK10 + ELK273W Full Retraction → Full Extension Height → Maximum Tilt





Style: **Trimless Spackle Frame**
Item: **EDSR-2SFRD**
For use with ELK273 Koto™ AIM Trimless

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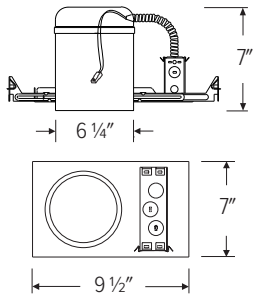
PRODUCT DIMENSIONS

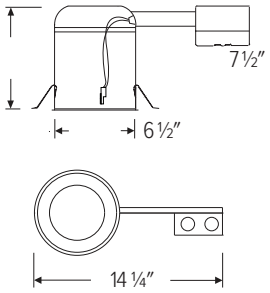
STANDARD KOTO™ IC AIRTIGHT RECESSED HOUSINGS

EL770ICA
STANDARD NEW CONSTRUCTION HOUSING



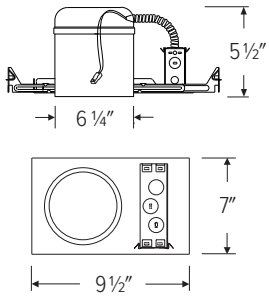


EL770RICA
STANDARD REMODEL HOUSING



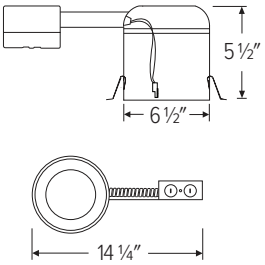


EL760ICA
SHALLOW NEW CONSTRUCTION HOUSING



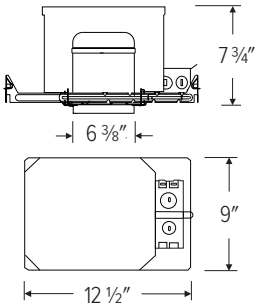


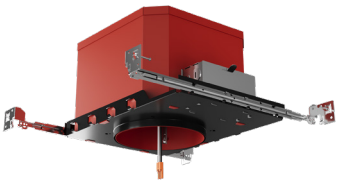
EL760RICA
SHALLOW REMODEL HOUSING



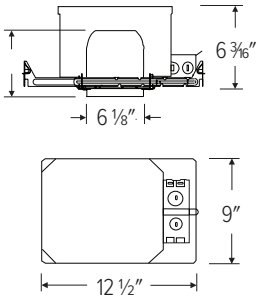


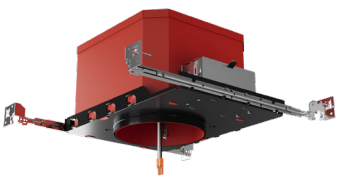
EL76FICA
2-HOUR FIRE RATED NEW CONSTRUCTION HOUSING





EL75FICAS
SHALLOW 2-HOUR FIRE RATED NEW CONSTRUCTION HOUSING





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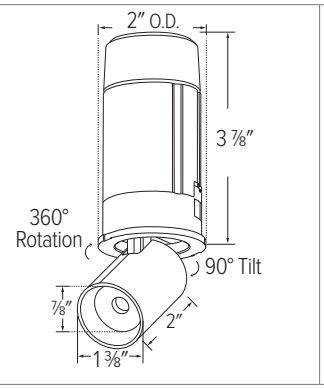
PRODUCT DIMENSIONS

KOTO™ AIM LED MODULE

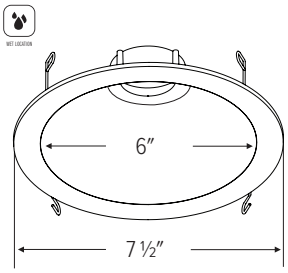
ELK10XX-AM
KOTO™ AIM LED MODULE







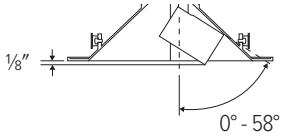
KOTO™ TRIMS



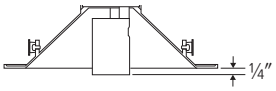
ELK6418 - ROUND REFLECTOR



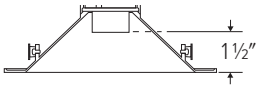
ELK10 + ELK6418 Max. Tilt

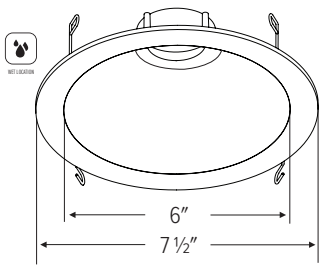


ELK10 + ELK6418
Full Extension Height



ELK10 + ELK6418

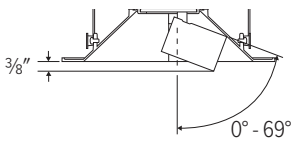




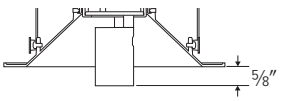
ELK6429 - 6″ ROUND
ADJUSTABLE REFLECTOR



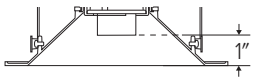
ELK10 + ELK6429 Max. Tilt



ELK10 + ELK6429
Full Extension Height



ELK10 + ELK6429
Full Retraction Height



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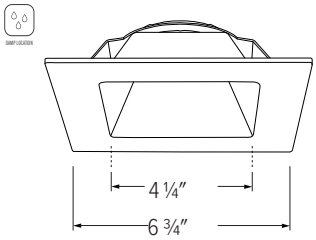
PRODUCT DIMENSIONS

KOTO™ TRIMS



ELK6829 - ADJUSTABLE REFLECTOR



W (All White)

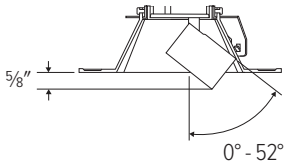


H (Haze/White)

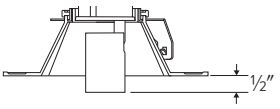


BB (All Black)

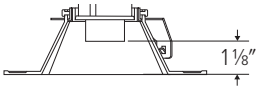
ELK10 + ELK6829 Max. Tilt

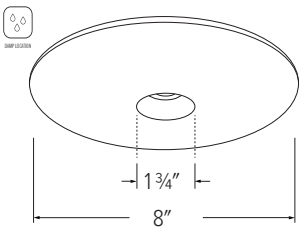


ELK10 + ELK6829 Full Extension Height



ELK10 + ELK6829 Full Retraction Height





ELK6427 - ADJUSTABLE PINHOLE REFLECTOR

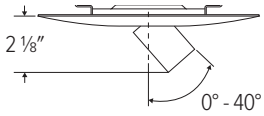
W (All White)

H (Haze/White)

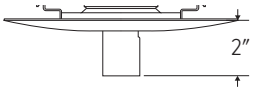


B (Black/White)

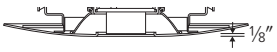
ELK10 + ELK6427 Max. Tilt



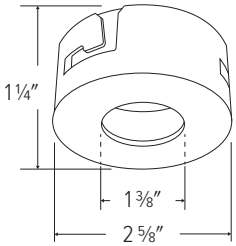
ELK10 + ELK6427 Full Extension Height



ELK10 + ELK6427 Full Retraction Height



KOTO™ ROUND TRIMLESS



To be used with EDSR-2SFRD spackle frame

ELK273 - 2" Round Koto™ AIM Trim

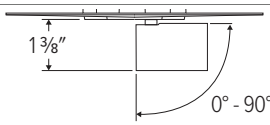


W (All White)

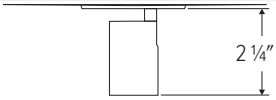


B (All Black)

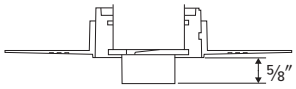
ELK10 + ELK273 Max. Tilt



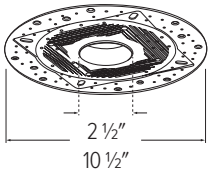
ELK10 + ELK273 Full Extension Height



ELK10 + ELK273 Full Retraction Height



EDSR-2SFRD - 2″ ROUND TRIMLESS SPACKLE FRAME





To be used with ELK273 only

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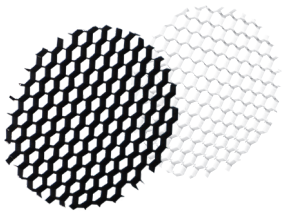
ACCESSORIES

LENS AND OPTICS

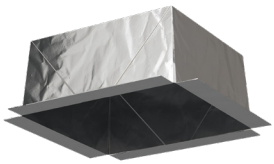
HEX LOUVER

L64 (White) / **L63** (Black) For a better glare shield

ACCESSORIES FOR RETROFITS

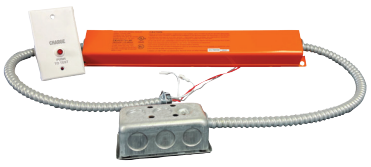
(socket adapters for retrofitting existing housings - adapters to male Quick Connect)

Medium Base Adapter	GU10 Base Adapter	Hard Wire Adapter	4″ Hard Wire Adapter	22″ Rewiring Kit
				
PSA30 Socket adapter medium base to LED Quick Connect	**PSA31** Socket adapter GU10 to LED Quick Connect	**PSA38** Hard wire adapter to male Quick Connect terminal	**PSA38-4** 4″ Hard wire adapter to male Quick Connect terminal	**PSA38-22** 22″ Rewiring kit to male Quick Connect terminal

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: 110VAC, 25W Charging time: 36 hours cUL listed - Suitable for damp location

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TECHNICAL DETAILS

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

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 standard Koto™ trims only. Can be used in 6″ ELCO housings with quick connect base.

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 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 pixilation.

Electrical: Module connects to 120V power supply. High efficiency driver with a power factor >0.9. Start time of less than 0.75 seconds.

Dimming: Works with 120V Triac/ELV type dimmers. Dims down to 1%. For full list of dimmers, refer to the Dimmer Compatibility List. Industry leading dimming that dims smoothly with no hot spots or flickering

Emergency Battery Pack: Optional 25W MAX. 90 minute battery backup.

Listings: UL and cUL Listed for Damp Locations.
RoHS Compliant. Meets Energy Star & California Title 24 JA8-2025-E standards.

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
Lutron	Caséta Wireless In-Wall Dimmer (PD-6WCL)	PD-6WCL	1% - 100%
	Maestro PRO LED + Tap Dimmer, 250 Watts of dimmable LED/CFL, 500 Watts of incandescent/halogen/ELV, or 400VA MLV lighting loads	MA-PRO	1% - 100%
	Maestro LED+ Dimmer Switch 150 W LED/CFL, 150W of dimmable LEDs, 600W of incandescent or halogen lighting	MACL-153M	1% - 100%
	Skylark Contour LED+ Preset Dimmer, Incandescent / Halogen, 600 W, 120 V, LED / CFL, 150 W, 120 V	CTCL-153P	1% - 100%
	Diva LED, Single Pole, 3-Way, LED+ Preset Dimmer, Incandescent / Halogen, 120 V, LED / CFL, 120 V	DVCL-153P	1% - 100%
	Skylark LED+, Single Pole, 3-Way, LED+ Dimmer, Incandescent / Halogen, 600 W, 120 V, LED / CFL, 150 W, 120 V	SCL-153P	1% - 100%
	Maestro, 600 W/600 VA Neutral Wire Dimmer, 120 V - 50/60 Hz	RRD-6ND	1% - 100%
	Preset Dimmers, Single Pole, Magnetic Low Voltage, 120 V	DVLV-600P	1% - 100%
	Ariadni® / Toggler® 600 W Incandescent/Halogen Preset Dimmer (3-Way)	AY-603P	1% - 100%
	RadioRa 3 250 W (LED/CFL)* or 500 W Incandescent/Halogen/ELV or 400 VA MLV Phase Selectable Neutral Dimmer	RRST-PRO-N	1% - 100%
Leviton	Decora Digital Dimmer Switch, Low Voltage/LED/CFL/Incandescent dimmer with Bluetooth & timer	DDE06-BLZ	1% - 100%
	Trimatron Rotary Dimmer Switch Universal Dimmer, Single pole, 600W Incandescent, 150W LED, CFL	RNL06	1% - 100%
	Decora SureSlide Dimmer Switch for Dimmable LED, Halogen, and Incandescent Bulbs	6672	5% - 100%
	Decora SureSlide Dimmer Switch for Dimmable LED, Halogen, and Incandescent Bulbs	6674	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 refrence 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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