

4" STANDARD KOTO™ DOWNLIGHTING SYSTEM

5W-12.5W, 2400K-4000K, CT5, Sunset, or Human Centric.
 Up to 1400 lm, 120V



THE KOTO™ SYSTEM

The high quality residential grade downlight with a 2" aperture with lumen output up to 1400 lumens. The quality driver built on top of the modules allows for simple product maintenance and updates

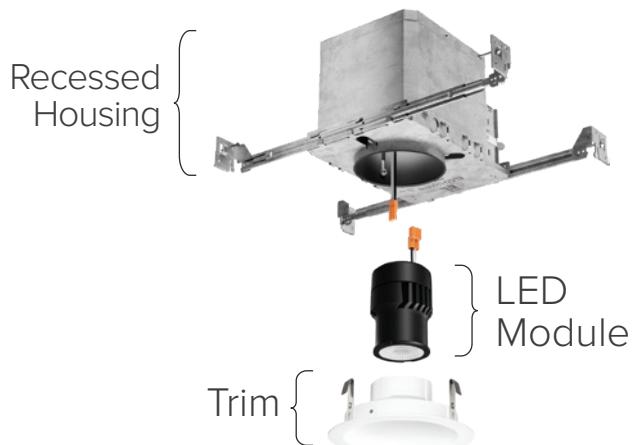


FEATURES

- Integral 120V, Triac/ELV dimmable driver on module for easy maintenance and upgrades
- 10°, 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 New Construction, Remodel Housing, or Retrofit Socket Adapter.
2. Select a Standard Koto™ LED Module.
3. Select a Trim.



SPECIFICATIONS

Lumens/Wattage 350 lm (5W), 750 lm (10.5W), 850 lm (10.5W), 950 lm (10.5W), 1000 lm (12.5W), 1150 lm (12.5W), 1350 lm (12.5W)

Voltage 120V

Color Temp. 2400K, 2700K, 3000K, 3500K, 4000K, CT5, Sunset, or Human Centric

CRI 95+

Damp Location UL Listed Adjustable Trims

Wet Location UL Listed Fixed Trims

Dimming Triac/ELV (5%)

Beam Angle 10°, 18°, 25°, 38°, 60° & 90°



Finishes



All White



All Black



All Bronze



Black



White Ring



Chrome



Haze White Ring

PRODUCT NUMBER BUILDER

STEP 1. Specify Housing part number (Select one)

Example: EL490ICA

4" IC AIRTIGHT RECESSED HOUSINGS

| ITEM | STYLE | ICA | OPTIONAL EMERGENCY BATTERY BACKUP |
|---|--|------------------------|--|
| EL4 | | | |
| Maximum Adjustability New Construction Housings | | | |
| | 85¹ New Construction (5 1/2" Height) | ICA IC Airtight | (Blank) No Battery Backup -EM7⁵ 90 min., 15W MAX |
| | <small>¹ Collar adjustable up to 1 1/2" ceiling thickness</small> | | <small>⁵ Accessible from below the ceiling</small> |
| Standard New Construction/Remodel Housings | | | |
| | 90¹ New Construction (5 1/2" Height) | ICA IC Airtight | (Blank) No Battery Backup -EM5⁵ 90 min., 25W MAX |
| | 90R¹ Remodel (5 1/2" Height) | | |
| | 92^{1,2} Shallow New Construction (3 1/2" Height) | | |
| | 92R^{1,2} Shallow Remodel (3 1/2" Height) | | |
| | <small>¹ Collar adjustable up to 1 1/2" ceiling thickness</small> | | |
| | <small>(S) ² For shallow housings compatible trims look for this icon</small> | | <small>⁵ Accessible from below the ceiling</small> |
| R-60 Foam Insulation New Construction Housings | | | |
| | 90AJ¹ New Construction (5 1/2" Height) | ICA IC Airtight | |
| | <small>¹ Collar adjustable up to 1 1/2" ceiling thickness</small> | | |
| 2-Hr Fire Rated New Construction Housings | | | |
| | 8F¹ New Construction (6 7/8" Height) | ICA IC Airtight | (Blank) No Battery Backup -EM5⁵ 90 min., 25W MAX |
| | <small>¹ Collar adjustable up to 1 1/2" ceiling thickness</small> | | <small>⁵ Access from above required</small> |
| EJB | | | |
| New Construction/Remodel Housings for 2-Hr Fire Rated Ceilings | | | |
| | 4³ New Construction (4 1/4" Height) | ICA IC Airtight | (Blank) No Battery Backup |
| | 4R^{3,4} Remodel (4 1/4" Height) | | -EM5⁵ 90 min., 25W MAX |
| | <small>EJB ³ For EJB housings compatible trims look for this icon</small> | | |
| | <small>⁴ Remodel tabs will not be completely covered with trim, painting may be required after installation or use of ELJ4OV to cover tabs.</small> | | <small>⁵ Accessible from below the ceiling</small> |

Oversize Ring

ELJ4OV Oversize Ring for use with EJB4RICA to cover tabs

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

| PSA30 | PSA31 | PSA35 | PSA38 | PSA38-4 | PSA38-22 |
|-------------------------|-------------------|-------------------|-------------------|----------------------|------------------------------------|
| E26 Medium Base Adapter | GU10 Base Adapter | GU24 Base Adapter | Hard Wire Adapter | 4" Hard Wire Adapter | 22" Rewiring Kit Hard Wire Adapter |

PRODUCT NUMBER BUILDER

STEP 2. Specify Koto™ LED Module part number (Select one)

Example: ELK0730

| ITEM | LUMENS/WATTAGE | COLOR TEMPERATURE | BEAM ANGLE | |
|---|--|--|--|--|
| ELK | | | | |
| Standard Koto™ LED Module | | | | |
| | 03^{1,2} 350 lm (5W) | 24 2400K | (Blank) | 38° ⁵ |
| | 07¹ 750 lm (10.5W) | 27 2700K | -S | 18° |
| | 09¹ 950 lm (10.5W) | 30 3000K | -N | 25° |
| | 11¹ 1150 lm (12.5W) | 35 3500K | -W | 60° |
| | 13¹ 1350 lm (12.5W) | 40 4000K | -E | 90° ⁶ |
| | | SD³ Sunset | | |
| | | HC⁴ Human Centric | | |
| | 08¹ 850 lm (10.5W) | CT5 CCT Switch: 2700K, 3000K, 3500K, 4000K, 5000K | | |
| | 10¹ 1000 lm (12.5W) | | | |
| ¹ 120V, Triac/ELV dimming ² Available in 2700K & 3000K | | ³ Sunset, Dim to Warm technology, dims from 3000K to 1800K. Available with ELK09 & ELK11 only ⁴ Human Centric, Dim to Warm technology, dims from 4000K to 2200K. Available with ELK11 module only | ⁵ 38° installed on module with 25° & 60° included in the box ⁶ 90° available with frosted reflector only | |
| 10° Narrow Spot Koto™ LED Module | | | | |
| | 03¹ 350 lm (5W) | 27 2700K | -NSP⁷ | 10° |
| | 08¹ 850 lm (10.5W) | 30 3000K | | |
| | ¹ 120V, Triac/ELV dimming | | | ⁷ 10° installed on module, field changeable 25° & 38° lens included in box |
| Standard Koto™ FOCUS LED Module | | | | |
| | 07¹ 720-860 lm (10.5W) | 27 2700K | -FC⁸ | 18°-50° |
| | | 30 3000K | | |
| | | 35 3500K | | |
| | | 40 4000K | | |
| | | SD³ Sunset | | |
| | ¹ 120V, Triac/ELV dimming | ³ Sunset, Dim to Warm technology, dims from 3000K to 1800K | ⁸ 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 |

| 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 |
| 5000K | 1.1 | 90° | 0.95 |
| SD | 0.80 | | |
| HC | 0.85 | | |

PRODUCT NUMBER BUILDER

STEP 3. Specify Trim part number (Select one)

4" KOTO™ ROUND TRIMS



- Style: **Adjustable Reflector**
 Item: **ELK4129W** (All White)
ELK4129BB (All Black)
ELK4129BZ (All Bronze)
ELK4129B (Black/White Ring)
ELK4129C (Chrome/White Ring)
ELK4129H (Haze/White Ring)



- Style: **Adjustable Reflector with Clear Glass**
 Item: **ELK4111W** (All White)
ELK4111BB (All Black)
ELK4111BZ (All Bronze)
ELK4111B (Black/White Ring)
ELK4111C (Chrome/White Ring)
ELK4111H (Haze/White Ring)



- Style: **Adjustable Reflector with Frosted Glass**
 Item: **ELK4112W** (All White)
ELK4112BB (All Black)
ELK4112BZ (All Bronze)
ELK4112B (Black/White Ring)
ELK4112C (Chrome/White Ring)
ELK4112H (Haze/White Ring)



- Style: **Fixed Deep Reflector**
 Item: **ELK4118W** (All White)
ELK4118BB (All Black)
ELK4118BZ (All Bronze)
ELK4118B (Black/White Ring)
ELK4118C (Chrome/White Ring)
ELK4118H (Haze/White Ring)



- Style: **Adjustable Pinhole**
 Item: **ELK4127W** (All White)
ELK4127BB (All Black)
ELK4127BZ (All Bronze)
ELK4127B (Black/White Ring)
ELK4127H (Haze/White Ring)



- Style: **Adjustable Pinhole with Frosted Lens**
 Item: **ELK4125W** (All White)
ELK4125BB (All Black)
ELK4125BZ (All Bronze)
ELK4125H (Haze/White Ring)



- Style: **Shallow Reflector**
 Item: **ELK4116W** (All White)
ELK4116H (Haze/White Ring)



- Style: **Rotatable Slot Aperture**
 Item: **ELK4120W** (Black Slot/White Ring)
 Must be used with Maximum Adjustability Housings



- Style: **Adjustable Reflector Wall Wash**
 Item: **ELK4122W** (All White)
 Must be used with Maximum Adjustability Housings



- Style: **Micro Flange Regressed Eyeball**
 Item: **ELK4153W** (All White)
ELK4153BB (All Black)



- Style: **Micro Flange Reflector**
 Item: **ELK4163W** (All White)
ELK4163BB (All Black)



- Style: **Curved Reflector**
 Item: **ELK4172W** (All White)
ELK4172B (All Black)



- Style: **Directional Gimbal**
 Item: **ELK4179W** (All White)
ELK4179BB (All Black)
ELK4179B (Black/White Ring)
ELK4179H (Haze/White Ring)



- Style: **Adjustable Spot**
 Item: **ELK4188W** (All White)
ELK4188B (All Black)
ELK4188BZ (All Bronze)



- Style: **Adjustable Baffle**
 Item: **ELK4193W** (All White)
ELK4193BB (All Black)
ELK4193B (Black/White Ring)



- Style: **Adjustable Reflector**
 Item: **ELK4710W** (All White)



- Style: **Adjustable Deep Reflector**
 Item: **ELK4717W** (All White)



- Style: **Adjustable Reflector**
 Item: **ELK4721WW** (All White)
ELK4721BB (All Black)
ELK4721BZB (All Bronze)
ELK4721BW (Black/White Ring)

Compatible trims for Shallow Housings

Compatible trims for EJB housings

PRODUCT NUMBER BUILDER

STEP 3. Specify Trim part number (Select one)

4" KOTO™ ROUND TRIMS



- Style: **Adjustable Baffle**
Item: **ELK4723WW** (All White)
ELK4723BB (All Black)
ELK4723BZBZ (All Bronze)
ELK4723BW (Black/White Ring)



- Style: **Flush Mount Spackle Frame**
Item: **EL4FMR**
Compatible with ELK416, ELK418, ELK4127, ELK4129, ELK4710, ELK4713, & ELK4715 trims

4" KOTO™ SQUARE TRIMS



- Style: **Fixed Deep Reflector**
Item: **ELK4218W** (All White)
ELK4218BB (All Black)
ELK4218BZ (All Bronze)
ELK4218B (Black/White Ring)
ELK4218C (Chrome/White Ring)
ELK4218H (Haze/White Ring)



- Style: **Adjustable Gimbal**
Item: **ELK4229W** (All White)
ELK4229BB (All Black)
ELK4229BZ (All Bronze)
ELK4229B (Black/White Ring)
ELK4229C (Chrome/White Ring)
ELK4229H (Haze/White Ring)



- Style: **Shallow Reflector**
Item: **ELK4216W** (All White)
ELK4216H (Haze/White Ring)



- Style: **Adjustable Wall Wash**
Item: **ELK4222W** (All White)
Must be used with Maximum Adjustability Housings



- Style: **Adjustable Pinhole**
Item: **ELK4227W** (All White)
ELK4227BB (All Black)
ELK4227BZ (All Bronze)
ELK4227B (Black/White Ring)
ELK4227H (Haze/White Ring)



- Style: **Adjustable Pinhole with Frosted Lens**
Item: **ELK4212W** (All White)
ELK4212BB (All Black)
ELK4212BZ (All Bronze)
ELK4212B (Black/White Ring)
ELK4212H (Haze/White Ring)



- Style: **Adjustable Reflector**
Item: **ELK4282W** (All White)
ELK4282BZ (All Bronze)



- Style: **Fixed Reflector**
Item: **ELK4714W** (All White)
Must be used with New Construction Housings



- Style: **Square Reflector**
Item: **ELK4741WW** (All White)
ELK4741BB (All Black)
ELK4741BZBZ (All Bronze)
ELK4741BW (Black/White Ring)
ELK4741HW (Haze/White Ring)
Must be used with New Construction Housings



- Style: **Square Baffle**
Item: **ELK4743WW** (All White)
ELK4743BB (All Black)
ELK4743BZBZ (All Bronze)
ELK4743BW (Black/White Ring)
Must be used with New Construction Housings



- Style: **Adjustable Reflector**
Item: **ELK4759WW** (All White)
ELK4759BB (All Black)
ELK4759B (Black/White Ring)
ELK4759H (Haze/White Ring)
Must be used with New Construction Housings



- Style: **Flush Mount Spackle Frame**
Item: **EL4FMS**
Compatible with ELK416, ELK4218, ELK4227, & ELK4229 trims

Compatible trims for Shallow Housings

Compatible trims for EJB housings

PRODUCT NUMBER BUILDER

STEP 3. Specify Trim part number (Select one)

4" KOTO™ ROUND TRIMLESS (For use with EL485ICA and EL490AJICA Housing only)



Style: **Fixed Trimless Reflector**
Item: **ELK408W** (All White)
ELK408B (All Black)
ELK408BZ (All Bronze)
ELK408H (All Haze)
Requires EL4SFR or EL4WCARD
(Sold separately)

Style: **Adjustable Trimless Reflector**
Item: **ELK415W** (All White)
ELK415B (All Black)
ELK415BZ (All Bronze)
ELK415H (All Haze)
Requires EL4SFR or EL4WCARD
(Sold separately)

Style: **Trimless Spackle Frame**
Item: **EL4SFR**
For use with ELK408 & ELK415

Style: **Trimless Wood Ceiling Ring**
Item: **EL4WCARD**
For use with ELK408 & ELK415

4" KOTO™ SQUARE TRIMLESS (For use with EL485ICA and EL490AJICA Housing only)



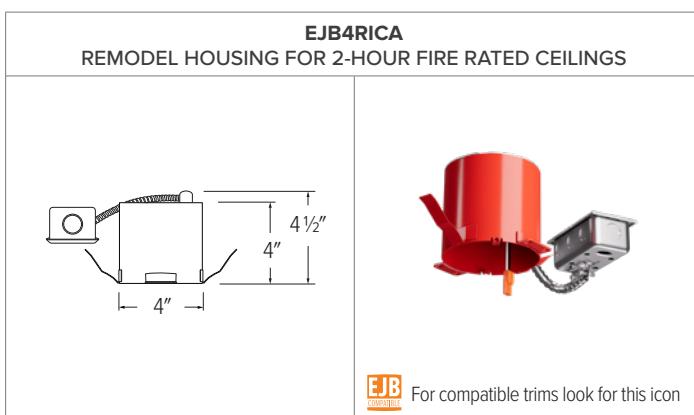
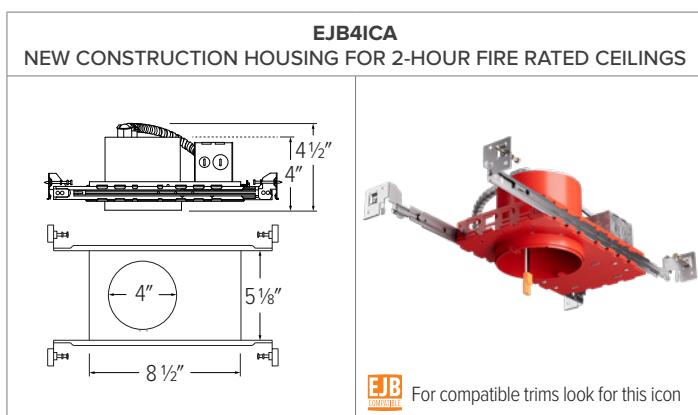
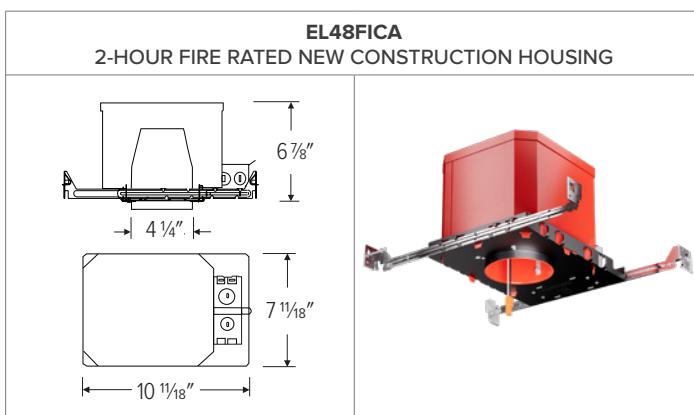
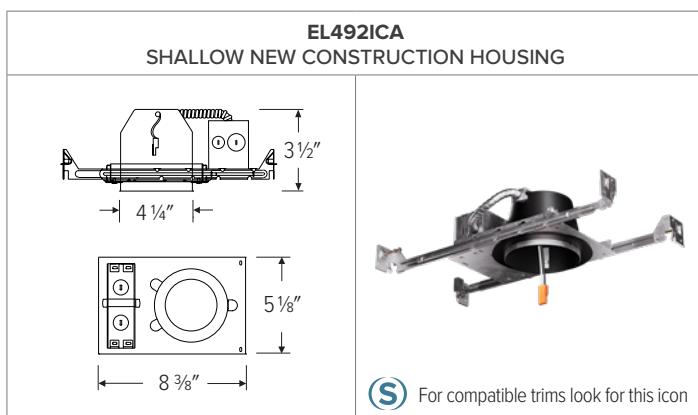
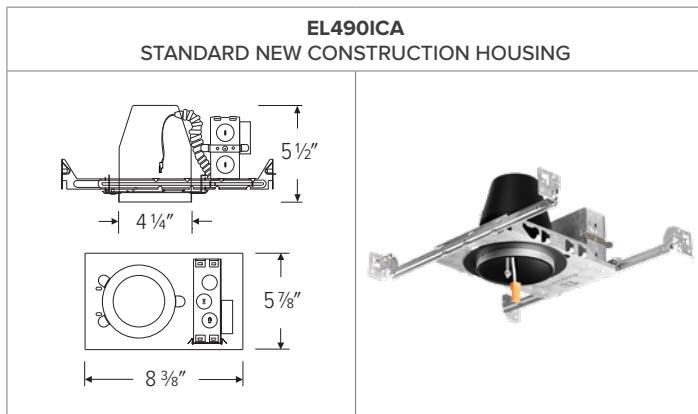
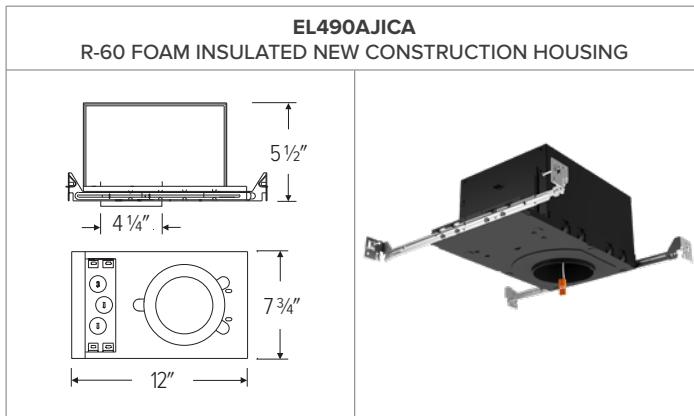
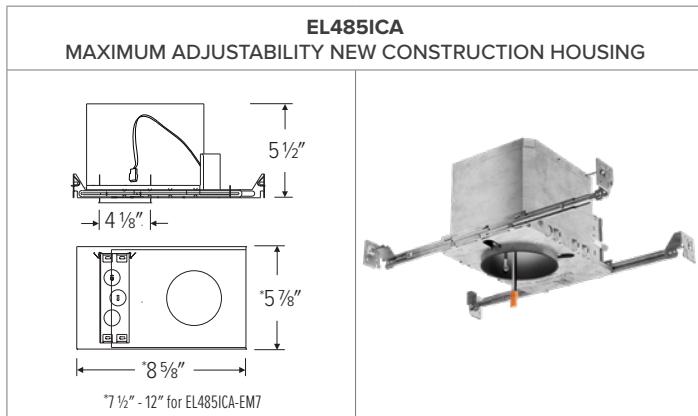
Style: **Fixed Trimless Reflector**
Item: **ELK445W** (All White)
ELK445B (All Black)
ELK445H (All Haze)
Requires EL4SFS (Sold separately)

Style: **Adjustable Trimless Reflector**
Item: **ELK459W** (All White)
ELK459B (All Black)
ELK459H (All Haze)
Requires EL4SFS (Sold separately)

Style: **Trimless Spackle Frame**
Item: **EL4SFS**
For use with ELK445 & ELK459

PRODUCT DIMENSIONS

STANDARD KOTO™ IC AIRTIGHT RECESSED HOUSINGS

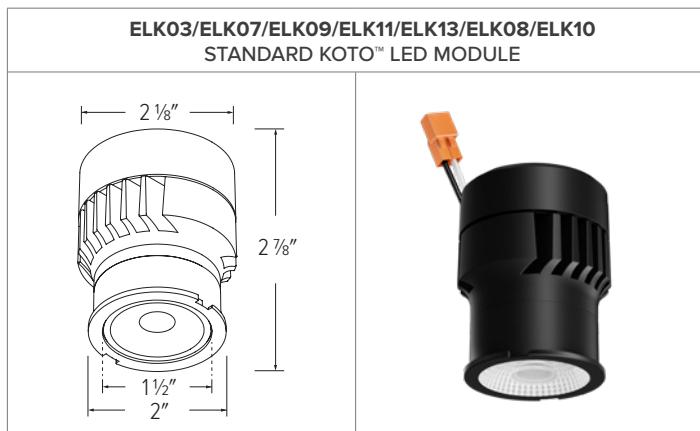


Compatible trims for Shallow Housings

Compatible trims for EJB housings

PRODUCT DIMENSIONS

STANDARD KOTO™ LED MODULES

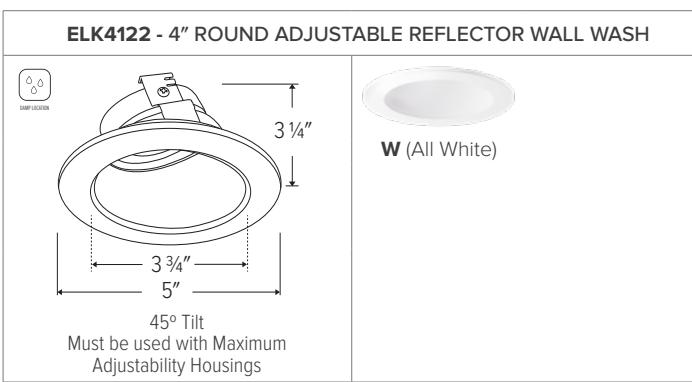
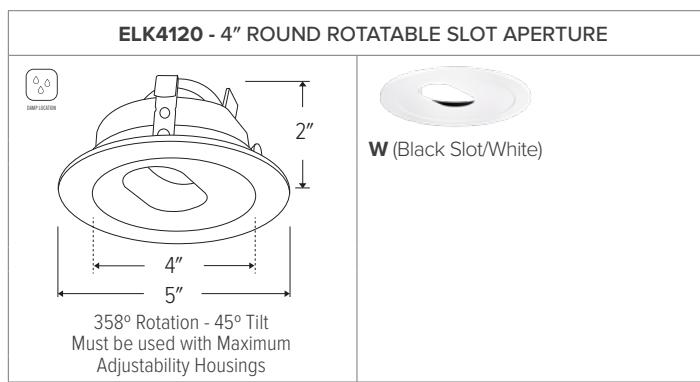


KOTO™ TRIMS

(S) Compatible trims for Shallow Housings

EJB Compatible trims for EJB housings

| EJB <small>DAMP LOCATION</small> | ELK4111 - 4" ROUND ADJ. REFLECTOR WITH CLEAR GLASS <small>DAMP LOCATION</small> | ELK4112 - 4" ROUND ADJ. REFLECTOR W/FROSTED GLASS <small>DAMP LOCATION</small> | ELK4129 - 4" ROUND ADJUSTABLE REFLECTOR <small>DAMP LOCATION</small> |
|--|---|--|--|
| | | | |



PRODUCT DIMENSIONS

KOTO™ TRIMS

(S) Compatible trims for Shallow Housings

EJB Compatible trims for EJB housings

| | | |
|--|---|--|
| <p>358° Rotation 25° tilt (for EL490 Series) 35° tilt (For EL485ICA)</p> | ELK4127 - 4" ROUND ADJUSTABLE PINHOLE | ELK4125 - 4" ROUND ADJ. PINHOLE WITH FROSTED LENS |
| | <p>W (All White) B (Black/White) BB (All Black) H (Haze/White) BZ (All Bronze)</p> | <p>W (All White) H (Haze/White)</p> |

| ELK4153 - 4" ROUND MICRO FLANGE REGRESSED EYEBALL |
|--|
| <p>360° Rotation 25° tilt (for EL490 Series) 35° tilt (For EL485ICA)</p> <p>W (All White) BB (All Black)</p> |

| ELK4163 - 4" ROUND MICRO FLANGE REFLECTOR |
|---|
| <p>W (All White) BB (All Black)</p> |

| ELK4172 - 4" ROUND CURVED REFLECTOR |
|---|
| <p>W (All White) BB (All Black)</p> |

| ELK4179 - 4" ROUND DIRECTIONAL GIMBAL |
|--|
| <p>358° Rotation - 25° Tilt</p> <p>W (All White) B (Black/White) BB (All Black) H (Haze/White)</p> |

| ELK4188 - 4" ROUND ADJUSTABLE SPOT |
|--|
| <p>25° Tilt</p> <p>W (All White) BZ (All Bronze) BB (All Black)</p> |

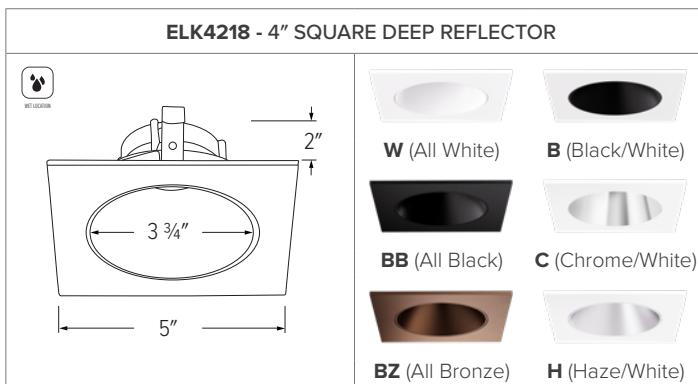
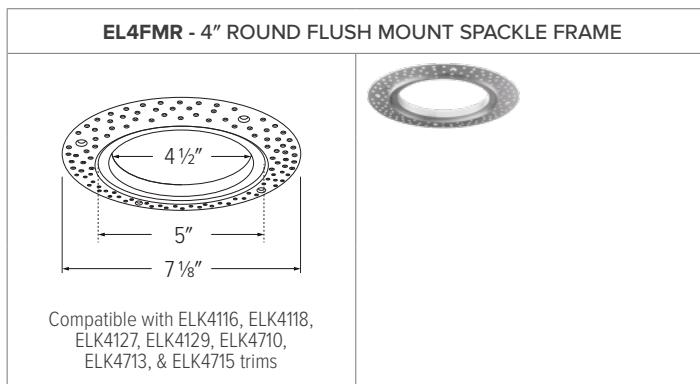
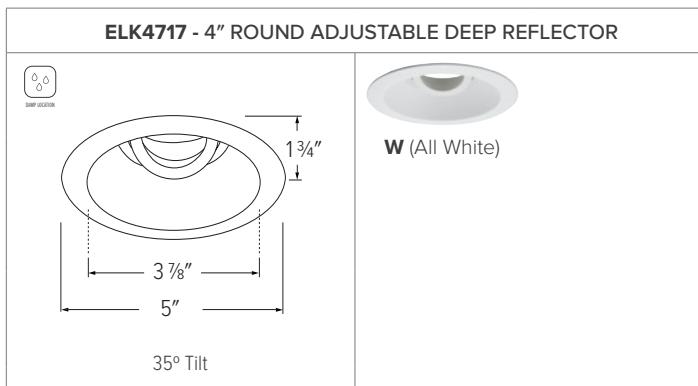
| ELK4193 - 4" ROUND ADJUSTABLE BAFFLE |
|--|
| <p>35° Tilt</p> <p>W (All White) B (Black/White) BB (All Black)</p> |

PRODUCT DIMENSIONS

KOTO™ TRIMS

(S) Compatible trims for Shallow Housings

EJB Compatible trims for EJB housings

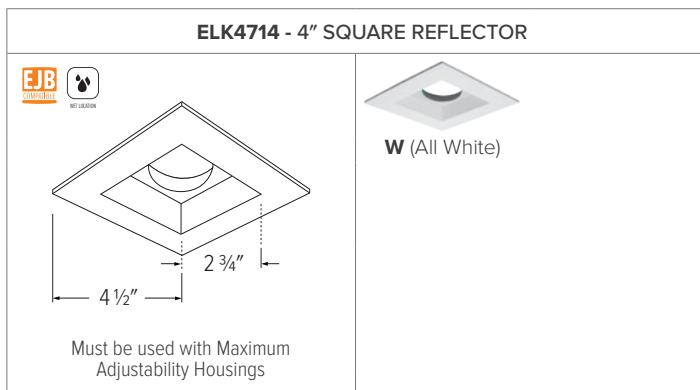
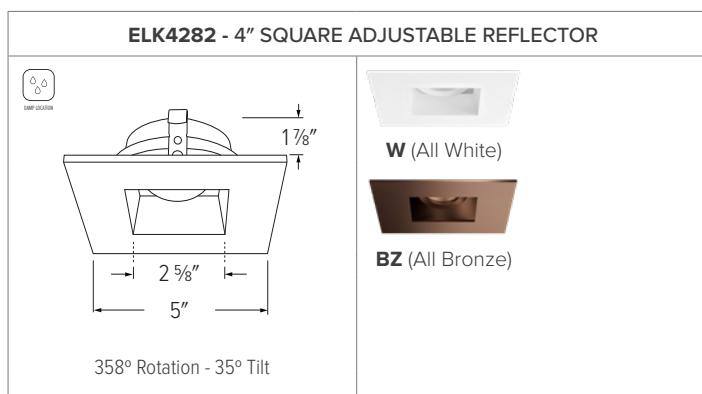
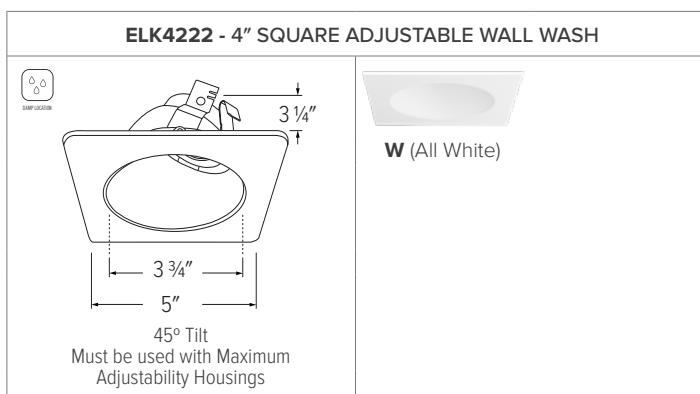
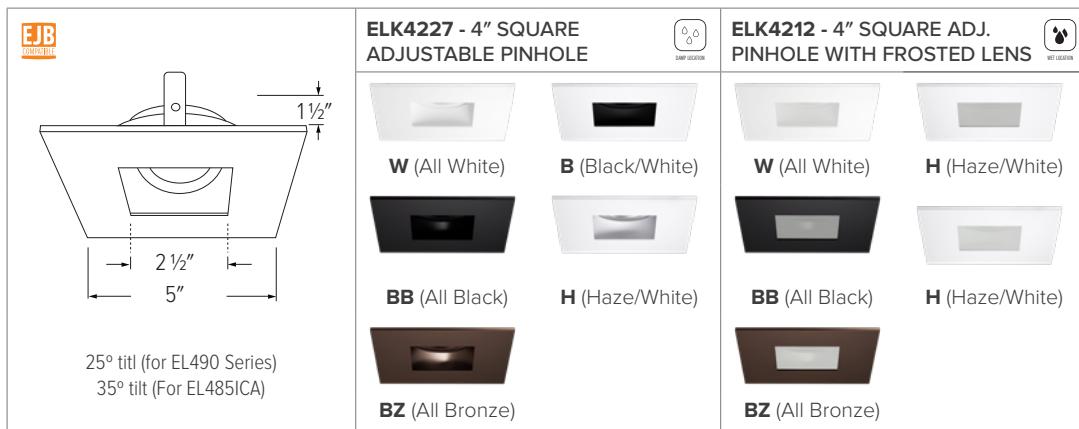


PRODUCT DIMENSIONS

KOTO™ TRIMS

(S) Compatible trims for Shallow Housings

EJB Compatible trims for EJB housings

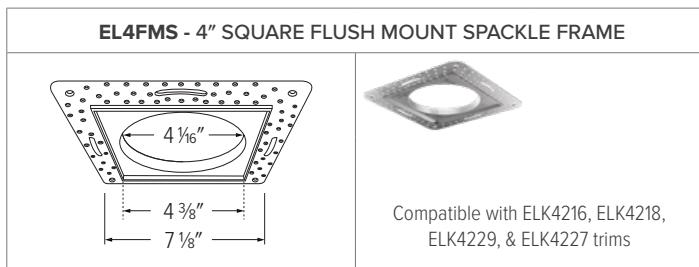


PRODUCT DIMENSIONS

KOTO™ TRIMS

(S) Compatible trims for Shallow Housings

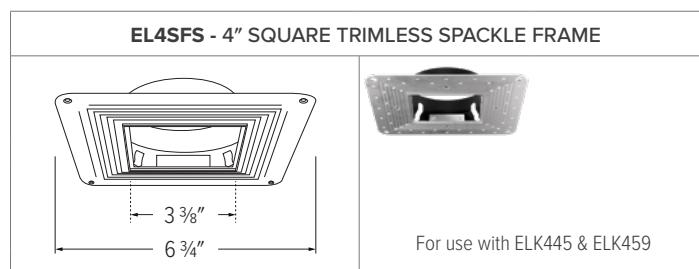
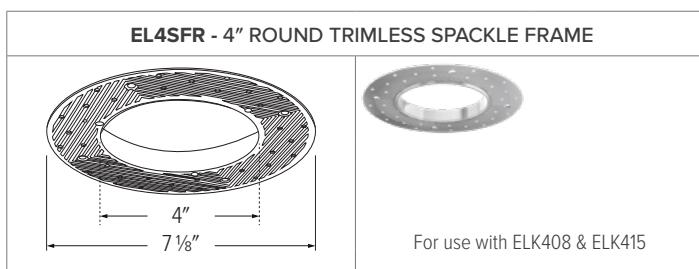
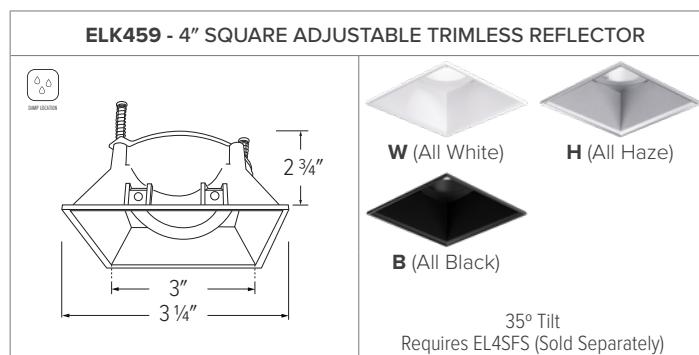
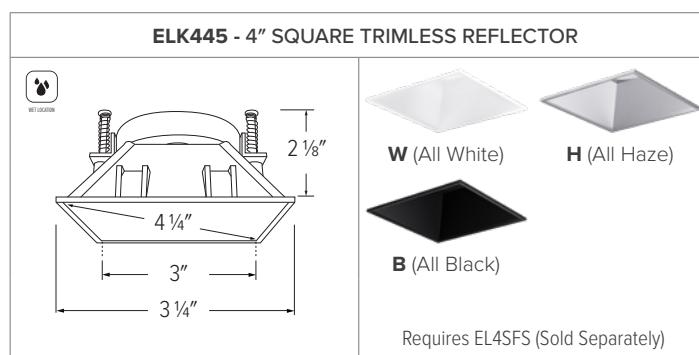
EJB Compatible trims for EJB housings



KOTO™ ROUND TRIMLESS



KOTO™ SQUARE TRIMLESS



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 |
| | | | | |

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

| Medium Base Adapter | GU10 Base Adapter | GU24 Base Adapter | Hard Wire Adapter | 4" Hard Wire Adapter | 22" Rewiring Kit |
|---|--|--|--|---|---|
| PSA30 | PSA31 | PSA35 | PSA38 | PSA38-4 | PSA38-22 |
| Socket adapter medium base to LED Quick Connect | Socket adapter GU10 to LED Quick Connect | Socket adapter GU24 to LED Quick Connect | Hard wire adapter to male Quick Connect terminal | 4" Hard wire adapter to male Quick Connect terminal | 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 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 |

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 2", 3", 4", 5" and 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 pixelation.

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 5%. For full list of dimmers, refer to the Dimmer Compatibility List. Industry leading dimming that dims smoothly with no hot spots or flickering

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.

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

Listings: UL and cUL Listed for Damp Locations. UL and cUL Listed for Wet Location with Wet location trims. RoHS Compliant. Meets Energy Star & California Title 24 JA8-2022-E standards.

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 |
|---|--|--|---------------------------|
| 120V - Triac/ELV Dimmers for ELK03, ELK07, ELK08, ELK09, ELK10, ELK11, and ELK13 Series | | | |
| Leviton | Decora SureSlide® Single Pole with Slide -to-Off | 6672 | 15% - 100% |
| | Decora soft fade On/Off, Single Pole, 3-Way | 1K35O2 | 5% - 100% |
| Grafik Eye, Panel Model, QS/Mailbox Power Module, HomeWorks, Energi Savr Node, RadioRA, RadioRA3, Homeworks, Ariadni, Skylark Contour, Skylark, Diva, and Skylark Contour | 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% |
| | QS/Mailbox Power 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, 120V, RP, Commercial/Residential Application | LQSE-4A1-DMQSE-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% |
| | Energi Savr Node LED+ Phase Adaptive, Commercial Application, Foward Phase, (Zone 1) (Zones 2-4) | QSN-4A5-S | 10% - 97% |
| | RadioRA®2, 120V, 50/60-Hz, 150W LED or 600W Incandescent/Halogen, 3-Way & 4-Way, Residential Application | RRD-6CL | 10% - 95% |
| Lutron | 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% |
| | HomeWorks® for LED/Incandescent/Halogen loads, Foward Phase, (Zone 1) (Zones 2-4) | LQSE-4A5-120-D | 10% - 100% |
| | 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% |

*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

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| MANUFACTURER | PRODUCT | PART NUMBER | DIMMED LIGHT OUTPUT RANGE |
|--|---|-------------|---------------------------|
| 120V - Triac/ELV Dimmers for ELK03, ELK07, ELK08, ELK09, ELK10, ELK11, and ELK13 Series | | | |
| Lutron | 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% |
| SnapOne™ *MLV each transformer must be loaded to at least 50% of its maximum load | Control4® Centralized 8-Channel Adaptive Phase Dimmer, 120/277V AC, 50/60-Hz, 200W LED, 500W Fluorescent/CFL, 1000W Incandescent/Halogen/ELV/MLV* | C4-DIN-8APD | 5% - 100% |
| | Control4® Centralized 8-Channel Forward Phase Dimmer, 100/120V AC, 50/60-Hz, 200W LED, 500W Fluorescent/CFL, 1000W Incandescent/Halogen/MLV* | C4-DIN-8FPD | 25% - 100% |
| | Control4® Wireless Adaptive Phase Dimmer, 120V AC, 50/60-Hz, 120W LED, 300W Fluorescent/CFL, 600W Incandescent/Halogen | C4-APD120 | 23% - 100% |
| | Control4® Forward Phase Dimmer, 120V AC, 50/60-Hz, 200W LED, 500W Fluorescent/CFL, 1000W Incandescent/Halogen | C4-FPD120 | 4% - 100% |
| | Control4® Essential Forward Phase Dimmer, 120V AC, 60-Hz, 300W LED, 300W Fluorescent/CFL, 600W Incandescent/Halogen | C4-V-FPD120 | 1% - 100% |

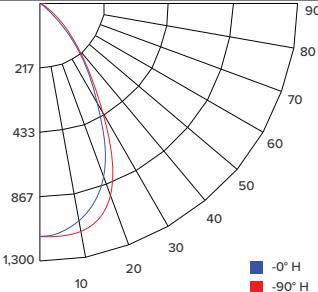
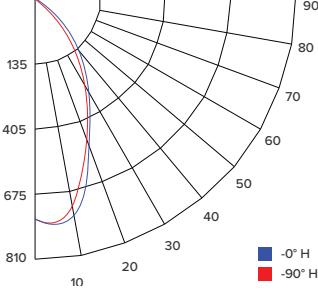
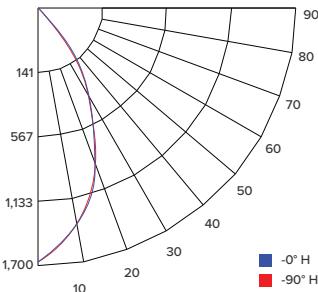
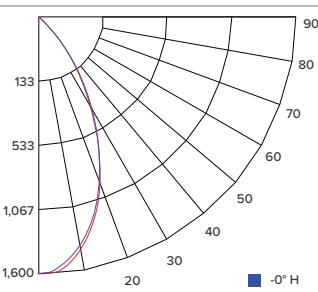
*NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details

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.

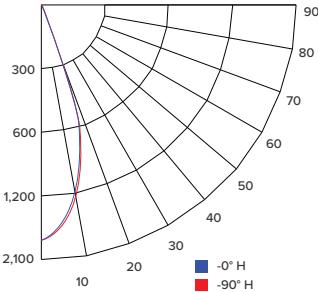
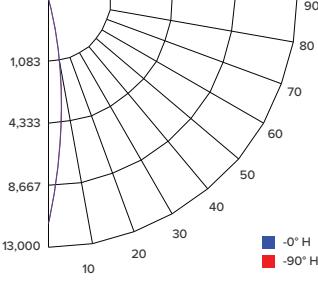
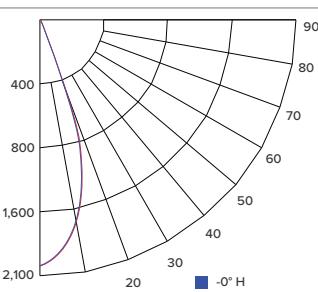
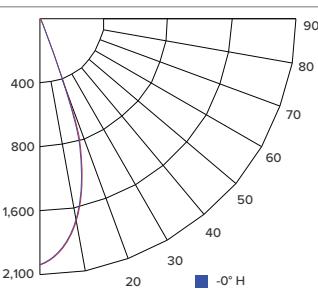
Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross reference that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.



KOTO™ LED MODULE

| PHOTOMETRIC REPORT | | CANDLE POWER SUMMARY | | ILLUMINANCE AT A DISTANCE | | |
|--|---|----------------------|------|---------------------------|-------------------------|---------------|
| Product #: ELK0730 Wattage / Lumens: 10.6W / 813.8 lm Luminaire LPW: 76.7 lm/W |  | Degress Vertical | 0° | Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
| | | 0 | 1186 | 4' | 74.1 | 3.2' |
| | | 5 | 1188 | 6' | 32.9 | 4.8' |
| | | 15 | 1004 | 8' | 18.5 | 6.4' |
| | | 25 | 536 | 10' | 11.9 | 8.0' |
| | | 35 | 254 | | | |
| | | 45 | 93 | | | |
| | | 55 | 27 | | | |
| | | 65 | 12 | | | |
| | | 75 | 6 | 0-30° | 580.1 | 71.3 |
| | | 85 | 3 | 0-40° | 714.6 | 87.8 |
| | | 90 | 1 | 0-60° | 797.0 | 98 |
| | | | | 0-90° | 813.5 | 100 |
| PHOTOMETRIC REPORT | | CANDLE POWER SUMMARY | | ILLUMINANCE AT A DISTANCE | | |
| Product #: ELK09SD Wattage / Lumens: 10.9W / 605.1 lm Luminaire LPW: 55.5 lm/W |  | Degress Vertical | 0° | Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
| | | 0 | 731 | 4' | 45.7 | 3.1' |
| | | 5 | 751 | 6' | 20.3 | 4.7' |
| | | 15 | 640 | 8' | 11.4 | 6.2' |
| | | 25 | 337 | 10' | 7.31 | 7.8' |
| | | 35 | 175 | | | |
| | | 45 | 79 | | | |
| | | 55 | 23 | | | |
| | | 65 | 10 | | | |
| | | 75 | 4 | 0-30° | 402.9 | 66.6 |
| | | 85 | 1 | 0-40° | 510.3 | 84.4 |
| | | 90 | 0 | 0-60° | 588.6 | 97.3 |
| | | | | 0-90° | 601.9 | 99.5 |
| PHOTOMETRIC REPORT | | CANDLE POWER SUMMARY | | ILLUMINANCE AT A DISTANCE | | |
| Product #: ELK1127 Wattage / Lumens: 12.5W / 1086.2 lm Luminaire LPW: 86.9 lm/W |  | Degress Vertical | 0° | Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
| | | 0 | 1606 | 4' | 100 | 3.2' |
| | | 5 | 1542 | 6' | 44.6 | 4.8' |
| | | 15 | 1297 | 8' | 25.1 | 6.4' |
| | | 25 | 723 | 10' | 16.1 | 7.9' |
| | | 35 | 338 | | | |
| | | 45 | 128 | | | |
| | | 55 | 42 | | | |
| | | 65 | 17 | | | |
| | | 75 | 8 | 0-30° | 757.2 | 70.6 |
| | | 85 | 3 | 0-40° | 933.9 | 87.1 |
| | | 90 | 1 | 0-60° | 1,045.2 | 97.5 |
| | | | | 0-90° | 1,066.1 | 99.4 |
| PHOTOMETRIC REPORT | | CANDLE POWER SUMMARY | | ILLUMINANCE AT A DISTANCE | | |
| Product #: ELK1330 Wattage / Lumens: 11.8W / 1312.2 lm Luminaire LPW: 111.2 lm/W |  | Degress Vertical | 0° | Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
| | | 0 | 1575 | 4' | 98.4 | 4.0' |
| | | 5 | 1497 | 6' | 43.8 | 6.0' |
| | | 15 | 1224 | 8' | 24.6 | 8.0' |
| | | 25 | 824 | 10' | 15.8 | 10.0' |
| | | 35 | 377 | | | |
| | | 45 | 142 | | | |
| | | 55 | 35 | | | |
| | | 65 | 9 | | | |
| | | 75 | 2 | 0-30° | 879.8 | 67.1 |
| | | 85 | 1 | 0-40° | 1,140.2 | 86.9 |
| | | 90 | 0 | 0-60° | 1,298.7 | 99 |
| | | | | 0-90° | 1,311.4 | 100 |

KOTO™ LED MODULE

| PHOTOMETRIC REPORT | | CANDLE POWER SUMMARY | | ILLUMINANCE AT A DISTANCE | | |
|--|---|----------------------|-------|---------------------------|-------------------------|---------------|
| Product #: ELK08CT5 @3500K Wattage / Lumens: 10.19W / 902.5 lm Luminaire LPW: 88.5 lm/W |  | Degress Vertical | 0° | Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
| | | 0 | 1999 | 4' | 124.9 | 2.6' |
| | | 5 | 1840 | 6' | 55.5 | 3.8' |
| | | 15 | 1126 | 8' | 31.2 | 5.1' |
| | | 25 | 372 | 10' | 20.0 | 6.4' |
| | | 35 | 83 | | | |
| | | 45 | 35 | | | |
| | | 55 | 20 | | | |
| | | 65 | 11 | | | |
| | | 75 | 7 | 0-30° | 720.4 | 79.9 |
| | | 85 | 6 | 0-40° | 786.4 | 87.2 |
| | | 90 | 6 | 0-60° | 835.1 | 92.6 |
| | | | | 0-90° | 860.9 | 95.4 |
| PHOTOMETRIC REPORT | | CANDLE POWER SUMMARY | | ILLUMINANCE AT A DISTANCE | | |
| Product #: ELK0830-NSP Wattage / Lumens: 15.8W / 871.4 lm Luminaire LPW: 55.1 lm/W |  | Degress Vertical | 0° | Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
| | | 0 | 10979 | 4' | 686 | 0.8' |
| | | 5 | 4622 | 6' | 305 | 1.2' |
| | | 15 | 413 | 8' | 172 | 1.6' |
| | | 25 | 89 | 10' | 110 | 2.0' |
| | | 35 | 32 | | | |
| | | 45 | 17 | | | |
| | | 55 | 13 | | | |
| | | 65 | 9 | | | |
| | | 75 | 5 | 0-30° | 783.9 | 90.2 |
| | | 85 | 0 | 0-40° | 809.4 | 93.2 |
| | | 90 | 0 | 0-60° | 836.1 | 96.2 |
| | | | | 0-90° | 852.2 | 98.1 |
| PHOTOMETRIC REPORT | | CANDLE POWER SUMMARY | | ILLUMINANCE AT A DISTANCE | | |
| Product #: ELK10CT5 @4000K Wattage / Lumens: 12.19W / 1043.6 lm Luminaire LPW: 85.6 lm/W |  | Degress Vertical | 0° | Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
| | | 0 | 2348 | 4' | 146.7 | 2.6' |
| | | 5 | 2177 | 6' | 65.2 | 3.9' |
| | | 15 | 1349 | 8' | 36.6 | 5.2' |
| | | 25 | 455 | 10' | 23.4 | 6.5' |
| | | 35 | 101 | | | |
| | | 45 | 41 | | | |
| | | 55 | 22 | | | |
| | | 65 | 12 | | | |
| | | 75 | 7 | 0-30° | 849.4 | 81.4 |
| | | 85 | 5 | 0-40° | 926.5 | 88.8 |
| | | 90 | 5 | 0-60° | 981.4 | 94.1 |
| | | | | 0-90° | 1,006.3 | 96.5 |
| PHOTOMETRIC REPORT | | CANDLE POWER SUMMARY | | ILLUMINANCE AT A DISTANCE | | |
| Product #: ELK10CT5 @5000K Wattage / Lumens: 12.3W / 1032.7 lm Luminaire LPW: 83.9 lm/W |  | Degress Vertical | 0° | Distance to Target Plane | Center Beam Footcandles | Beam Diameter |
| | | 0 | 2297 | 4' | 143.5 | 2.6' |
| | | 5 | 2078 | 6' | 63.8 | 3.9' |
| | | 15 | 1210 | 8' | 35.8 | 5.2' |
| | | 25 | 368 | 10' | 22.9 | 6.5' |
| | | 35 | 79 | | | |
| | | 45 | 36 | | | |
| | | 55 | 20 | | | |
| | | 65 | 11 | | | |
| | | 75 | 6 | 0-30° | 837.9 | 81.2 |
| | | 85 | 5 | 0-40° | 917.0 | 88.8 |
| | | 90 | 5 | 0-60° | 971.5 | 94.1 |
| | | | | 0-90° | 996.1 | 96.5 |