

# 4" Tunable White Koto™ IC Airtight Housing

120/277V AC/50-60Hz. Must be used with Tunable White Koto™ LED Light Engines (ELK19TWD Series).



## Features

- IC Airtight for direct contact with insulation.
- 120/277V AC/50-60Hz universal input voltage
- Smooth, flicker-free dimming and CCT tuning
- Dimmable to 0.1%, dim to dark
- E45KT10 (1000 lm, 14W)
- E45KT12 (1250 lm, 18.3W)
- Control Modules Ordered Separately
- Damp location rated and wet location rated for wet location trims

## Specifications

<b>Wattage</b>	14W - 18.3W
<b>Lumens</b>	1000 lm - 1250 lm
<b>Voltage</b>	120/277V AC
<b>Dimmable</b>	0-10V
<b>Lamp Type</b>	LED
<b>Wet Location</b>	Rated for wet location trims
<b>Damp Location</b>	Rated

## Technical Details

**Construction:** Double Wall IC Rated for direct contact with insulation. For use in IC and Non-IC conditions. Up to 1100 lumens. Housing adjusts in frame to accommodate up to 1 1/2" ceiling thickness. Airtight housing with gasket to restrict airflow in accordance with ASTM E-283 air-tight requirements.

**Installation:** Designed for ceiling plenums where 2x6 joists or taller are used. High strength hanger bars can easily be nailed to joists. Suitable for T-grid and drop ceiling applications. See installation sheet for detailed information. For use with ELCO Tunable White Koto™ LED Light Engines (ELK19TWD Series)

**Junction Box:** Positioned to accommodate straight conduit runs. Two 3/4" knockouts, Seven 1/2" trade size conduit knockouts, One 3/8" knockout. Four Pry-out knockout slots for easy romex installation.

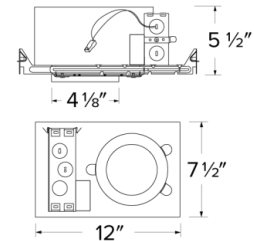
**Hanger Bars:** Pre Installed hanger bars with True Nail easy installation in regular lumber, engineered lumber, and Laminated Beams. Integral T-bar slots for easy installation in T-Bars. Spans up 24" and can be repositioned 90°. Score lines allow for tool-free hanger bar size reduction. Integral leveling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

**Electrical:** Driver is rated for 120V and 277V input (120/277V). High Efficiency driver with a power factor > 0.95.

### Driver Options:

- **Standard:** Integrated dual-channel 0-10V Dimming, no control module required
- **eldoLED:** Integrated dual channel 0-10V Dimming, no control module required
- **Control Ready:** For use with control module options, ethernet cables and connectors purchased separately
- **Lutron:** Integrated dual channel 0-10V Dimming, no control module required
- **AmbienTech:** Includes control module, compatible with AmbienTech ecosystem only

**Dimmability:** 0-10V dimming in one driver. 0-10V dimming down to 5% with a compatible dimmer. Can be specified with Lutron drivers for 0.1% and 1% dimming. For a full list of dimmers refer to the Dimmer Compatibility List.



## Product Numbers

Item	Description	Lamp type	Lumens	Watts	Voltage	Dimming
<b>E45KT10ICAD</b>	IC Airtight Housing	LED	1000 lm	14W	120/277V AC	0-10V
<b>E45KT12ICAD</b>	IC Airtight Housing	LED	1250 lm	18.3W	120/277V AC	0-10V

# Product Number Builder

Example: **E45KT10ICAD**

4" Tunable White Koto™ IC  
Airtight Housing

Lumens

IC Rated

Driver

**E45KT**

- 10** 1000 (14W)
- 12** 1250 (18.3W)

**ICA** IC Airtight Housing

- D** Standard
- ED** eldoLED
- C** Control Ready
- L** Lutron
- A** AmbienTech

# Compatible Products

For use with Dedicated 3" & 4" Koto Tunable White Housings



## Control Modules Features

- Requires control ready housing
- Seamless device commissioning
- Rules setting and supervision
- Data gathering on usage, locations, users, time of day
- Automation based on users and sensors
- Firmware updates over the air
- Customizable and integration-ready APIs
- Control module required per housing

## Wireless Control Modules for Tunable White Koto™



Technology Partner  
**SILVAIR**

**ETW3SL**

- iOS app and web portal interface options
- Energy usage monitoring
- Ecosystem with sensors, switches



**WIZ CONNECTED**

**ETW3WZ**

- iOS app, Android app, and web portal interface options
- Predictive Maintenance
- Ecosystem with sensors and switches, lamps and luminaires



**WISILICA**

**ETW3WS**

- iOS app, Android app, and web portal interface options
- Energy usage monitoring
- Predictive Maintenance
- Ecosystem with sensors, switches, gateways

## Wired Control Protocol for Tunable White Koto™

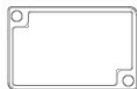
*\*Wired control devices required*



**DALI 2**

**ETW3DL**

- DALI-2 DT8 certified
- Two-channel control of color temperature and intensity
- Commission and manage lighting fixtures via DALI2 DT8 certified controller



**0-10V**

**ETW310V**

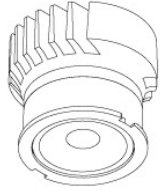
- 0-10V Control Module is compatible with industry standard 0-10V, 1-10V current sourcing or current sinking wired control devices. The Control Module provides for two-channel control of color temperature and intensity

Requires Control Ready Housing Option. One Control module required per housing  
\*Control Modules Order Separately

# Compatible Products

For use with Dedicated 4" Tunable White Koto™ IC LED Housings

## Koto™ LED Module



Tunable White  
Koto™ LED Module  
ELK19

PRODUCT NUMBER BUILDER		
Koto™ LED Module	Color Temperature	Beam Angle
ELK19		
TWD	2700K - 5000K	(blank) 38° lens (Standard)
T41D	1800K - 4000K	-S 18° lens
T62D	2700K - 6500K	-N 25° lens
		-W 60° lens

### ACCESSORIES



#### Lens

**EP731C** 18° Lens  
**EP732C** 25° Lens  
**EP733C** 38° Lens  
**EP734C** 60° Lens

*\*EP732C, EP733C, EP734C Included*



#### Snoot

**L50W** White  
**L50B** Black



#### Secondary Optics

**L45** Hex Louver  
**L46** Linear Lens  
**L47** Spread Louver  
**L49** Frosted Lens  
**L51** Color Shifter

## 4" Pex™ Twist-On Trims



#### Reflector

**ELK4118**  
 Finishes:  
 (W, BB, BZ, B, C, H)



#### Adjustable Gimbal

**ELK4129**  
 Finishes:  
 (W, BB, BZ, B, C, H)



#### Adjustable Pinhole

**ELK4127**  
 Finishes:  
 (B, BB, BZ)



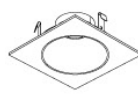
#### Adjustable Baffle

**ELK4193**  
 Finishes:  
 (W, BB, B)



#### Adjustable Spot

**ELK4188**  
 Finishes:  
 (W, B, BZ)



#### Reflector

**ELK4218**  
 Finishes:  
 (W, BB, BZ, B, C, H)



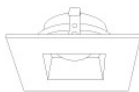
#### Adjustable Gimbal

**ELK4229**  
 Finishes:  
 (W, BB, BZ, B, C, H)



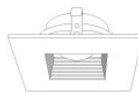
#### Adjustable Pinhole

**ELK4227**  
 Finishes:  
 (B, BB, BZ)



#### Adjustable Reflector

**ELK4282**  
 Finishes:  
 (W)



#### Adjustable Baffle

**ELK4284**  
 Finishes:  
 (W)



#### Adjustable Phenolic Baffle

**ELK4293**  
 Finishes:  
 (W, BB, B)

\*Finishes: **W** - All White, **BB** - All Black, **BZ** - All Bronze, **B** - Black Reflector w/White Ring, **C** - Chrome Reflector w/White Ring, **H** - Haze Reflector w/White Ring

# Compatible Products

For use with Dedicated 4" Tunable White Koto™ IC LED Housings

## 4" Pex™ Trimless

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**Round Spackle  
Frame Only**  
EL4SFR



**Round Smooth Reflector**  
ELK408  
Finishes:  
(W, B, BZ, H)



**Round Adjustable  
Reflector**  
ELK415  
Finishes:  
(W, B, BZ, H)



**Adjustable Reflector  
with Spackle Frame**  
ELK430  
Finishes:  
(W, B, BZ, H)



**Adjustable Baffle  
with Spackle Frame**  
ELK434  
Finishes:  
(W, B, BZ)



**Sq. Spackle Frame**  
EL4SFS



**Sq. Smooth Reflector**  
ELK445  
Finishes:  
(W, B, H)



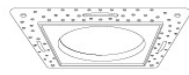
**Sq. Adjustable Reflector**  
ELK459  
Finishes:  
(W, B, H)

## 4" Flush Mount Trim Adaptors

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**Round Flush Mount**  
EL4FMR  
For use with  
ELK41 & Unique™ Trims



**Square Flush Mount**  
EL4FMS  
For use with  
ELK42 Trims

# Compatible Products

For use with Dedicated 4" Tunable White Koto™ IC LED Housings

## 4" Flexa™ Twist-On Trims

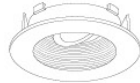


**Round Reflector**

**ELK4721**

Finishes:

(**WW, BB, BZBZ, BW, CC, CW, HW, CN**)



**Round Baffle**

**ELK4723**

Finishes:

(**WW, BB, BZBZ, BW**)

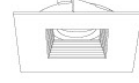


**Square Reflector**

**ELK4741**

Finishes:

(**WW, BB, BZBZ, BW, HW**)



**Square Baffle**

**ELK4743**

Finishes:

(**WW, BB, BZBZ, BW**)



**Adjustable Square Reflector**

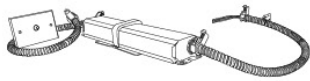
**ELK4759**

Finishes:

(**WW, BB, B, H**)

\*Finishes: **W** - All White, **WW** - All White, **B** - Black, **BB** - All Black, **BZ** - All Bronze, **CC** - All Chrome, **BZBZ** - All Bronze, **BW** - Black Reflector w/White Ring, **CW** - Chrome Reflector w/White Ring, **CN** - Chrome Reflector w/Nickel Ring, **HW** - Haze Reflector w/White Ring

## 4" Accessories



**Emergency Battery Backup**

CAT NO.	SPECIFICATIONS
KEM-LD5	8W, 120/277V

\* Requires access from above



**Fire Cover**

CAT NO.	SPECIFICATIONS
FIRECVR	9 3/4" H x 17" O.D.



**Fire Enclosure**

CAT NO.	SPECIFICATIONS
FIREENCL	20 3/8" L x 14 3/8" W

CAT NO.	SPECIFICATIONS
FIREENCL-S	Shallow, 16" L x 14 3/8" W



**Mica Fire Tape**

CAT NO.	SPECIFICATIONS
FIRETAPE	3/4" W x 16' L