

# 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                          |
| <b>Lumens</b>        | 1000 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.

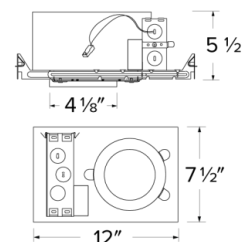
**Hanger Bars:** Pre Installed hanger bars with True Nail easy installation in regular lumber, engineered lumber, and Laminated Beams. Integral T-bar slots for easy installation in T-Bars. Spans up 24" and can be repositioned 90°. Score lines allow for tool-free hanger bar size reduction. Integral leveling 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
- elddLED: 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 Number

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

Product Number Builder

Example: E45KT10ICAD

4" Tunable White Koto™ IC  
Airtight Housing

E45KT

Lumens

10

1000 (14W)

12

1250 (18.3W)

IC Rated

ICA IC Airtight Housing

Driver

D

Dual 0-10V

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

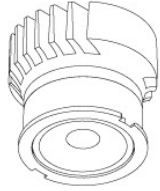
*\*Control Modules Order Separately*

# 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)



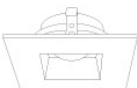
#### Adjustable Gimbal

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



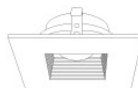
#### Adjustable Pinhole

**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)



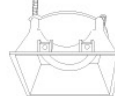
**Adjustable Baffle  
with Spackle Frame**  
**ELK434**  
Finishes:  
(W, B, BZ)



**Sq. Spackle Frame**  
**EL4SFS**



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



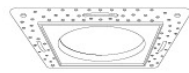
**Sq. Adjustable Reflector**  
**ELK459**  
Finishes:  
(W, B, H)

## 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

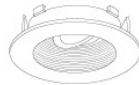


**Round Reflector**

**ELK4721**

Finishes:

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



**Round Baffle**

**ELK4723**

Finishes:

(WW, BB, BZBZ, BW)

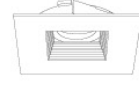


**Square Reflector**

**ELK4741**

Finishes:

(WW, BB, BZBZ, BW, HW)

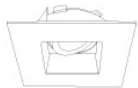


**Square Baffle**

**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**

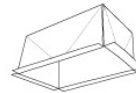
| CAT NO. | SPECIFICATIONS |
|---------|----------------|
| KEM-LD5 | 8W, 120/277V   |

\* 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         |
| FIREENCL-S | Shallow,<br>16" L x 14 3/8" W |



**Mica Fire Tape**

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