

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) 4" Height
- E45KT12 (1250 lm, 18.3W) 5½" Height
- Control Modules Ordered Separately

Specifications

Wattage	14W - 18.3W
Lumens	1000 lm - 1250 lm
Voltage	120/277V AC
Dimmable	0-10V
Lamp Type	LED

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.

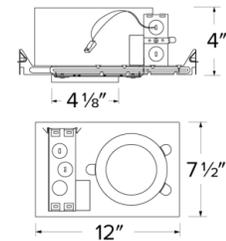
Driver Options:

- **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

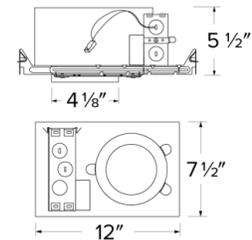
Dimmability: 3-in-1 dimming: Triac, ELV and 0-10V dimming in one driver. 0-10V dimming down to 5% with a compatible dimmer. Can be specified with Lutron drivers for 0.1% and 1% dimming. For a full list of dimmers refer to the Dimmer Compatibility List.

Listings: UL Listed for Damp Location and for Wet Location with select trims. UL Listed for Direct Contact with Insulation and Combustible Material. UL Listed for Feed Through.

E45KT10ICA Dimensions



E45KT12ICA



Product Numbers

Item	Description	Lamp type	Lumens	Watts	Voltage	Dimming
E45KT10ICAD	IC Airtight Housing	LED	1000 lm	14W	120/277V AC	0-10V
E45KT12ICAD	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 2", 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
- One Control Module can be connected to 1- 50 drivers

Wireless Control Modules for Tunable White Koto™



CASAMBI

ETW3CS

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



Technology Partner
SILVAIR

ETW3SL

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



WIZ

ETW3WZ

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



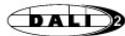
WISILICA

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*



ETW3DL

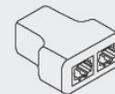
- DALI-2 DT8 certified
- Two-channel control of color temperature and intensity
- Commission and manage lighting fixtures via DALI2 DT8 certified controller



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

Optional 1:2 Splitter



- Up to 50 drivers can be connected to a single control module in a single line daisy chain configuration (All drivers are hard wired into a single group, controlled by a single control module)
- Provides additional flexibility with the electrical connection architecture

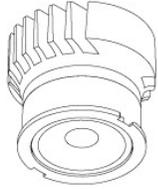
Requires Control Ready Housing Option. One Control module can control 1 - 50 housings

*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)

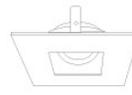


Adjustable Gimbal

ELK4229

Finishes:

(W, BB, BZ, B, C, H)

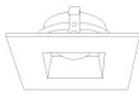


Adjustable Pinhole

ELK4227

Finishes:

(B, BB, BZ)

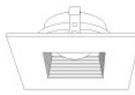


Adjustable Reflector

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

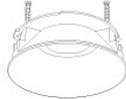
Compatible Products

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

4" Pex™ Trimless



**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



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**)

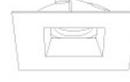


Round Baffle

ELK4723

Finishes:

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



Square Reflector

ELK4741

Finishes:

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

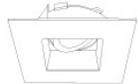


Square Baffle

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, 16" L x 14 3/8" W



Mica Fire Tape

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