![ELCO Lighting logo]

Project name: _____

Fixture type: _____

Date: _____

3″ 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
- E35KT10 (1000 lm, 14W) 4″ Height
- E35KT12 (1250 lm, 18.3W) 5½″ Height
- Control Modules Ordered Separately

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.
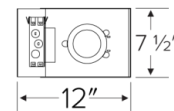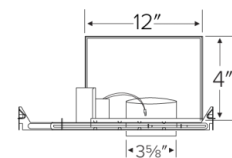
Driver Options:

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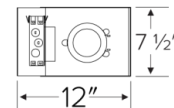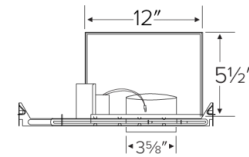
Dimmability: 3-in-1 dimming: Triac, ELV and 0-10V dimming in one driver. 0-10V dimming down to 5% with a compatible dimmer. Can be specified with Lutron drivers for 0.1% and 1% dimming. For a full list of dimmers refer to the Dimmer Compatibility List.

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.

Specifications

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

E35KT10 Dimensions

E35KT12 Dimensions

Product Numbers

Item	Description	Lamp type	Lumens	Watts	Voltage	Dimming
E35KT10ICAD	IC Airtight Housing	LED	1000 lm	14W	120/277V AC	0-10V
E35KT12ICAD	IC Airtight Housing	LED	1250 lm	18.3W	120/277V AC	0-10V

Product Number Builder   Example: **E35KT10ICAD**

3″ Tunable White Koto™ IC Airtight Housing	Lumens	IC Rated	Driver
E35KT			

Lumens
10 1000 (14W)
12 1250 (18.3)

IC Rated
ICA IC Airtight Housing

Driver
D Standard
ED eldoLED
C Control Ready
L Lutron
A AmbienTech

Compatible Products

ELCO Lighting

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

amazon alexa   Google Assistant

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 CONNECTED
ETW3WZ

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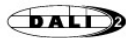- Ecosystem with sensors and switches, lamps and luminaires

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
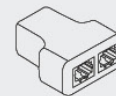
DALI 2
ETW3DL

- 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

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)
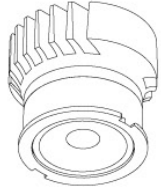- Provides additional flexibility with the electrical connection architecture

Requires Control Ready Housing Option. One Control module can control 1 - 50 housings
*Control Modules Order Separately

Compatible Products

ELCO Lighting

For use with Dedicated **3" 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

3" Pex™ Twist-On Trims

Deep Reflector
ELK3618
Finishes:
(W, BB, BZ, B, C, H)

Adjustable Gimbal
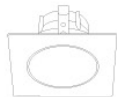**ELK3629**
Finishes:
(W, BB, BZ, B, C, H)

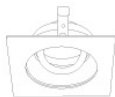**Adjustable Pinhole**
ELK3627
Finishes:
(B, BB, BZ)

Adjustable Baffle
ELK3693
Finishes:
(W)

Sq. Deep Reflector
ELK3318
Finishes:
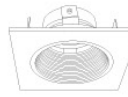(W, BB, BZ, B, C, H)

Sq. Adjustable Gimbal
ELK3329
Finishes:
(W, BB, BZ, B, C, H)

Sq. Adjustable Pinhole
ELK3327
Finishes:
(B, BB, BZ)

Sq. Adjustable Baffle
ELK3393
Finishes:
(W)

Square Reflector
ELK3341
Finishes:
(W, B, BB, BZ)

*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

ELCO Lighting

3" Pex™ Trimless

Spackle Frame

EL3SFR

Adjustable Trimless Reflector

ELK315
Finishes:
(W, B, H)

3" Knife Edge Wood Ceiling Trim · *For use with ELK315*

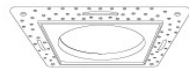**Round Adaptor with Mounting Clips**

EL3WCR
Finishes:
(W, B)

Adjustable Trimless Reflector

ELK315
Finishes:
(W, B, H)

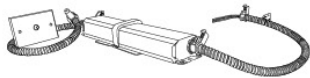## 3" Flush Mount Trim Adaptors · *For use with ELK36 & ELK33 Trims*

Round Flush Mount

EL3FMR

Square Flush Mount

EL3FMS

3" Accessories

Emergency Battery Backup

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

* Requires access from above

Fire Cover

CAT NO.	SPECIFICATIONS
FIRECVR	9 ¾" H x 17" O.D.

Fire Enclosure

CAT NO.	SPECIFICATIONS
FIREENCL	20 ⅜" L x 14 ⅜" W
FIREENCL-S	Shallow, 16" L x 14 ⅜" W

Mica Fire Tape

CAT NO.	SPECIFICATIONS
FIRETAPE	¾" W x 16' L