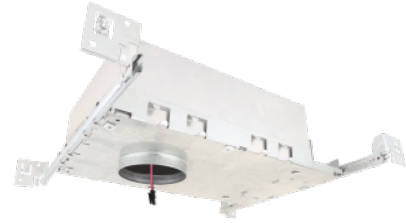Project name:

Fixture type:

Date:

2″ Tunable White Koto™ IC Airtight Housing

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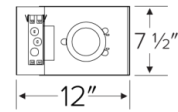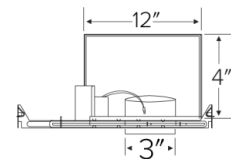
Features

- 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
- E21KT10 (1000 lm, 14W) 4″ Height
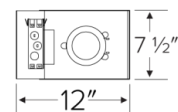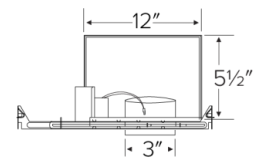- E21KT12 (1250 lm, 18.3W) 5½″ Height

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 the 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 the 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, and 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 to 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

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.

E21KT10ICA Dimensions

E21KT12ICA Dimensions

Product Numbers

Item	Description	Lamp type	Lumens	Watts	Voltage	Dimming
E21KT10ICAD	IC Airtight Housing	LED	1000 lm	14W	120/277V AC	0-10V
E21KT12ICAD	IC Airtight Housing	LED	1250 lm	18.3W	120/277V AC	0-10V

Product Number Builder   Example: **E21KT10ICAD**

2″ Tunable White Koto™ Shallow IC Airtight Housing	Lumens	IC Rated	Driver
E21KT			
	10 1000 (14W) **12** 1250 (18.3)	**ICA** IC Airtight Housing	**D** Standard

Compatible Products

ELCO Lighting

For use with Dedicated **2", 3" & 4" Koto Tunable White Housings**

amazon alexa   Google Assistant

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	SILVAIR Technology Partner	WiZ CONNECTED	WISILICA
ETW3CS	**ETW3SL**	**ETW3WZ**	**ETW3WS**
• iOS app and Android app interface options	• iOS app and web portal interface options	• iOS app, Android app, and web portal interface options	• iOS app, Android app, and web portal interface options
• Predictive Maintenance	• Energy usage monitoring	• Predictive Maintenance	• Energy usage monitoring
• Ecosystem with sensors and switches, lamps and luminaires	• Ecosystem with sensors, switches	• Ecosystem with sensors and switches, lamps and luminaires	• Predictive Maintenance
			• Ecosystem with sensors, switches, gateways

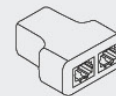## Wired Control Protocol for Tunable White Koto™

Wired control devices required

| DALI 2	0-10V	Optional **1:2 Splitter**
ETW3DL	**ETW310V**	
• DALI-2 DT8 certified	• 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	• 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)
• Two-channel control of color temperature and intensity		• Provides additional flexibility with the electrical connection architecture
• Commission and manage lighting fixtures via DALI2 DT8 certified controller		

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

Compatible Products

For use with Dedicated **2″ Tunable White Koto™ IC LED Housings**

Koto™ LED Module
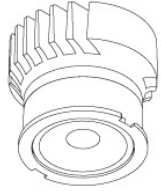
Tunable White Koto™ LED Module
ELK19

PRODUCT NUMBER BUILDER		
Koto™ LED Module	Color Temperature	Beam Angle
ELK19		

TWD	2700K - 5000K
T41D	1800K - 4000K
T62D	2700K - 6500K

(blank)	38° lens (Standard)
-S	18° lens
-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

2″ Pex™ Twist-On Trims

Round Deep Reflector
ELK2818
Finishes: **(W, B, H, BB, BZ)**
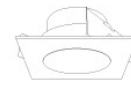
Round Adjustable Reflector
ELK2829
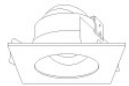Finishes: **(W, B, H, BB, BZ)**

Round Adjustable Pinhole
ELK2827
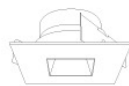Finishes: **(W, B, BB, BZ)**

Square Deep Reflector
ELK2518
Finishes: **(W, B, BB)**

Square Adjustable Reflector
ELK2529
Finishes: **(W, B, BB)**

Square Reflector
ELK2541
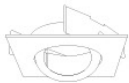Finishes: **(W, B, BB)**

Square Adjustable Pinhole
ELK2527
Finishes: **(W, B, BB)**

Round Gimbal
ELK2888
Finishes: **(W, B, BZ)**

Square Gimbal
ELK2588
Finishes: **(W, BZ)**

Compatible Products

ELCO Lighting

For use with Dedicated **2" Tunable White Koto™ IC LED Housings**

2" 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