Recessed Lighting



# The Tunable White Koto™

Tunable White Koto™
2″, 3″ & 4″ Fixtures

ELCO Lighting
*The Best Choice in Lighting*







# Tunable White **Koto**™

This system allows the user to change color temperature of their downlighting to their own needs with a simple Bluetooth, Wifi, or wired control system. Whether they want to mimic the patterns of natural lighting throughout the day or use the product to adjust for healthcare or educational purposes.

We are looking beyond the typical “on/off” switch, and focusing on a dial of options that matches your lighting needs—anytime, anywhere. Home, office, restaurant, classroom, hotel, healthcare or retail location, **The Tunable White Koto**™ will alter how people interact with their space.

# **White tuning** allows the user to change the color temperature of the light from cool to neutral to warm



- **Home:** Automatically adjust to replicate natural lighting patterns throughout the day. Waking up with a cool white and easing into bed with a warm white.
- **Healthcare:** design around patients' needs based on medical worker's advice.
- **Education:** Adjust to what works best for the students throughout the day to help keep them focused and learning.
- **Restaurant:** Adjust to match the mood of the time of day. Breakfast can start at a cooler white, while dinner can be set at a warmer, more comforting color temperature.
- **Hotel:** Guests can have full control of their room lighting while the hotel can maintain control of the common areas and implement their choice of lighting color temperatures throughout the day.
- **Tenant Improvement:** Lighting can easily be adjusted to match the tenants desires.













## **White Tune the Koto™ Module** from your mobile device...

TUNABLE WHITE KOTO™ LED MODULE



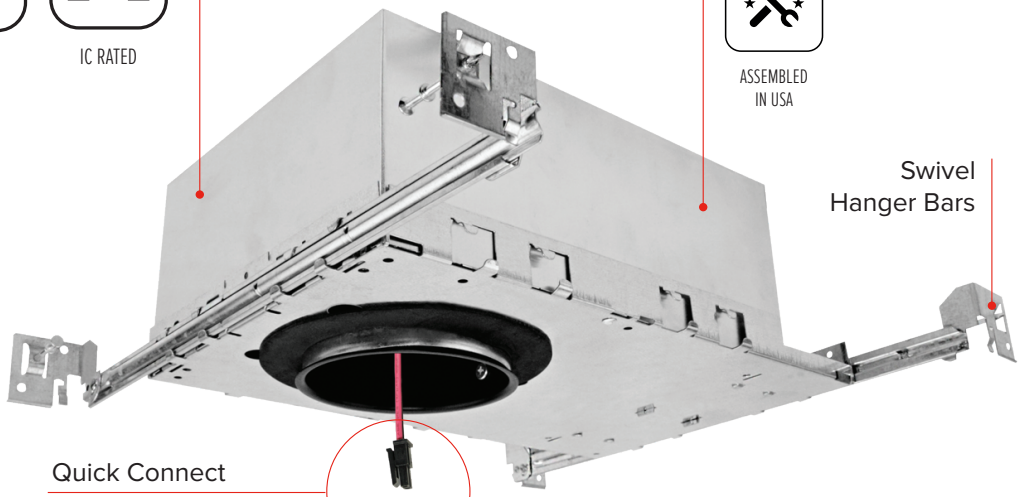
The **Koto™ System**

# Tunable White Koto™ Fixture

AIRTIGHT

IC RATED

ASSEMBLED IN USA



Swivel Hanger Bars

Quick Connect



LED COB with White Tunable Technology

TUNABLE WHITE KOTO™ LED MODULE

Includes: 38°, 28° and 60° lenses
**Optional:** 15° and 18° lens available



Trims with Twist-&-Lock System

Die-Cast Aluminum Trims in a variety of shapes, colors and styles to match any room design

TITLE 24 COMPLIANT

DIMMABLE

90+ CRI

INTEGRATED LED

WET LOCATION

50K HRS

50,000 HOURS

5YR

5 YEAR WARRANTY

# The Koto™ LED Module

Can be installed into many different applications, and used with many different trims. With an integrated driver and a versatile lens holder, this module has redefined the meaning of easy installation and maintenance.

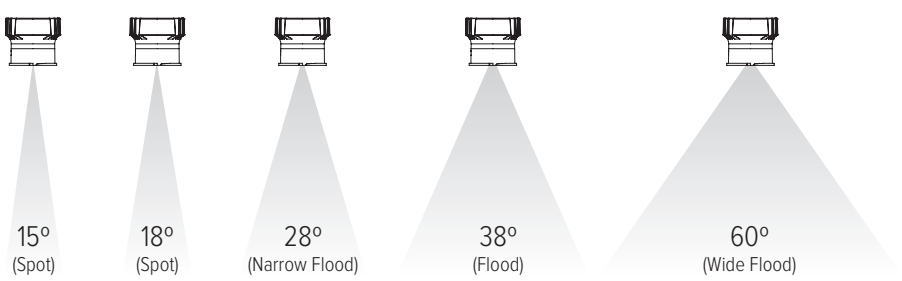
The Koto™ Twist-On makes installation a breeze. Utilizing the same connection mechanism across the Koto™ System, modules can easily be locked onto a plethora of trim options, and installed right into the housing. This allows for the same module to be used on downlight and adjustable trims as well as specialty trims.

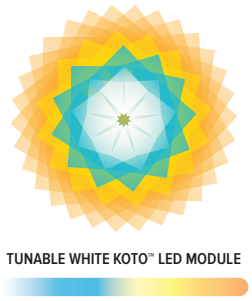




# Precise Beam Angle Control

Using industry leading technology ELCO offers the Tunable White Koto™ LED Module with a standard 38° beam angle, with field changeable 15°, 18°, 28° and 60° lens options to give designers and architects choices when laying out a room, whether the downlight is spot lighting a breakfast table or lighting up a bedroom ELCO has the necessary beam angle options.



# Optional Control Modules for Tunable White Koto™ Fixture

Simply Plug & Play any control module with simple ethernet cables. Minimum installation, maximum control.




amazon alexa  Google Assistant

## Control Modules Features

- Requires control ready housing
- For use with 3" & 4" housings only
- 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

## Options Available:

Technology Partner SILVAIR

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

WiZ CONNECTED

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

WISILICA

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

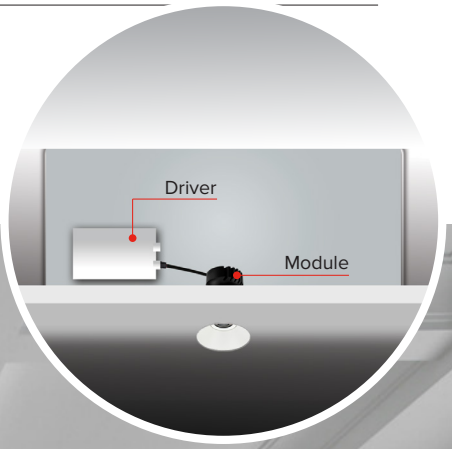
DALI 2

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

0-10V

- 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

**Wired control devices required*





# The Same LED Module, Tons Of Trim Options

The Koto™ Twist-On makes installation a breeze. Utilizing the same connection mechanism across the Koto™ System, modules can easily be locked onto a plethora of trim options, and installed right into the housing. This allows for the same module to be used on downlight and adjustable trims as well as specialty trims.







# Fully Adjustable, Ideal For Directional And Accent Lighting

The Koto™ Adjustable Gimbal Trims are available in round and square shapes and different color finishes. The full adjustability of a 35° tilt and a 358° rotation makes these trims the perfect solution for designers and architects when designing a sophisticated and upscale space.





# IC Airtight Koto™ Housings

New Construction Housings for Tunable White Koto™ LED Module

ASSEMBLED IN USA

TUNABLE WHITE KOTO™ LED MODULE



New Construction IC Airtight Housings

## New Construction Housing 2″ 3″ 4″

- 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

## Shallow New Construction IC Airtight Housings

| Product Series | | Description | | Lumens | | IC Rated | | Driver | |
|---|---|---|---|---|---|---|---|---|---|
| E21[4] | *2″* | KT | *Tunable White* | 10 | *1000 lm (14W), 4″ Height* | ICA | *IC Airtight Housing* | D | *Standard*[1] |
| E35 | *3″* | | | 12 | *1250 lm (18.3W), 5½″ Height* | | | ED | *eldoLED*[1] |
| E45 | *4″* | | | | | | | C | *Control Ready*[2] |
| | | | | | | | | L | *Lutron*[1] |
| | | | | | | | | A | *AmbienTech*[3] |

[1] Integrated dual channel 0-10V Dimming, no control module required
[2] For use with control module options, ethernet cables and connectors purchased separately
[3] Includes control module, compatible with AmbienTech ecosystem only
[4] Only for use with "D" Standard driver. Not compatible with control module ETW3 Series

Example: **E35KTW12ICAED** [ ELCO Koto System 3″ New Construction Shallow Housing, 1250 lm, IC Airtight, eldoLED Driver ]

## Optional Control Modules for Tunable White Koto



Control module required per housing

**Control Modules Ordered Separately. Only for 3″ & 4″ housings.*

***Requires Control Ready Housing Option***

| Control Module Brand | *SILVAIR* | *WIZ* | *WISILICA* |
|---|---|---|---|
| Item Number | ETW3SL | ETW3WZ | ETW3WS |

| Wired Control Protocol | *DALI* | *0-10V* |
|---|---|---|
| Item Number | ETW3DL | ETW310V |

**Wired control devices required*

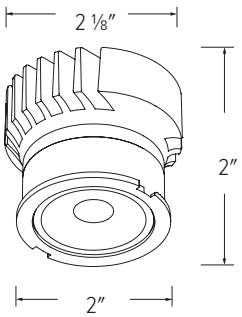
Example: **ETW3SL** [ Wireless SILVAIR control module ]

# Tunable White Koto™ LED Module

Works with 2", 3" & 4" Recessed Housings & Koto™ Trims



Tunable White Koto™ LED Module




## Koto™ LED Light Engine

- Driver on housing extends lifespan and allows for more dimming options and applications
- Includes: Standard 38° lens, with 28° and 60° lenses. Optional: 15° and 18° lens available
- Works in 3" and 4" ELCO Tunable White housings with Koto™ twist-On trims
- Excellent color rendering 95+ CRI throughout white tuning
- ENERGY STAR Certified
- Title 24 JA8 2019 Registered
- Life span of 50,000 hours L70

## Accessories

Spread Lens · Linear Lens · Frosted Diffuser · Color Shifter · Hex Louver · Snoot

## Tunable White Koto™ LED Module Product Number Builder

| Product Series | CCT | Beam Spread | Optional Accessory |
|---|---|---|---|
| **ELK19** *LED Module* | **TWD** *2700K - 5000K* | **(Blank)** *38° lens* | **(Blank)** *Standard* |
| | **T41D** *1800K - 4000K* | **-S** *18° lens* | **L47** *Spread Lens* |
| | **T62D** *2700K - 6500K* | **-N** *25° lens* | **L46** *Linear Lens* |
| | | **-W** *60° lens* | **L49** *Frosted Diffuser* |
| | | | **L51** *Color Shifter* |
| | | | **L45** *Hex Louver* |
| | | | **L50W** *White Snoot* |
| | | | **L50B** *Black Snoot* |

Example: **ELK19TWDL49** [Tunable White Koto™ LED Module 2500K-6500K, 38° lens, Frosted Diffuser ]

### MODULE

The die-cast aluminum heat sink ensures complete advanced thermal heat dissipation



### LED

CRI 95+ throughout white tuning with Chip on Board Technology

### OPTICS

Precision parabolic reflectors and lenses to evenly distribute the light in a wide range of beam angles





### SECONDARY OPTICS

Enables in-field installation of hex louvers, Linear lenses, Color Shifters, Diffusers, Spread lens and Snoot

INTEGRATED LED · DIMMABLE · TITLE 24 COMPLIANT · 90+ CRI

### TWIST-ON

Simple connection mechanism allows for smooth installation on all Koto™ trims



### LENS HOLDER

Provides effortless in-field lens and secondary optics customizability

# Koto™ 2″ Trims

Precision diecast trims with twist-on mechanism for easy installation



**Round Deep Reflector**

**ELK2818W** All White
**ELK2818BB** All Black
**ELK2818BZ** All Bronze
**ELK2818B** Black Reflector w/White Ring
**ELK2818H** Haze Reflector w/White Ring



**Round Adjustable Pinhole**

**ELK2827W** All White
**ELK2827BB** All Black
**ELK2827BZ** All Bronze
**ELK2827B** Black Reflector w/White Ring




**Round Adjustable Reflector**

**ELK2829W** All White
**ELK2829BB** All Black
**ELK2829BZ** All Bronze
**ELK2829B** Black Reflector w/White Ring
**ELK2829H** Haze Reflector w/White Ring




**Round Gimbal**

**ELK2888W** All White
**ELK2888B** All Black
**ELK2888BZ** All Bronze



**Square Deep Reflector**

**ELK2518W** All White
**ELK2518B** Black Reflector w/White Ring
**ELK2518BB** All Black




**Square Adjustable Reflector**

**ELK2529W** All White
**ELK2529B** Black Reflector w/White Ring
**ELK2529BB** All Black



**Square Reflector**

**ELK2541W** All White
**ELK2541B** Black Reflector w/White Ring
**ELK2541BB** All Black




**Square Adjustable Pinhole**

**ELK2527W** All White
**ELK2527B** Black Reflector w/White Ring
**ELK2527BB** All Black




**Square Gimbal**

**ELK2588W** All White
**ELK2588BZ** All Bronze

** Only for use with "D" Standard Driver Housing*

For our entire selection of **Round & Square Trims** please visit us at ***elcolighting.com***

# Koto™ 3″ Trims

Precision diecast trims with twist-on mechanism for easy installation



### Round Deep Reflector

**ELK3618W** All White
**ELK3618BB** All Black
**ELK3618BZ** All Bronze
**ELK3618B** Black Reflector w/White Ring
**ELK3618C** Chrome Reflector w/White Ring
**ELK3618H** Haze Reflector w/White Ring




### Round Adjustable Reflector

**ELK3629W** All White
**ELK3629BB** All Black
**ELK3629BZ** All Bronze
**ELK3629B** Black Reflector w/White Ring
**ELK3629C** Chrome Reflector w/White Ring
**ELK3629H** Haze Reflector w/White Ring




### Round Adjustable Pinhole

**ELK3627W** All White
**ELK3627BB** All Black
**ELK3627BZ** All Bronze
**ELK3627B** Black Reflector w/White Ring
**ELK3627H** Haze Reflector w/White Ring




### Round Adjustable Slot Aperture

**ELK3620W** Black Slot w/White Ring




### Round Adjustable Wall Wash

**ELK3622W** All White



### Square Deep Reflector

**ELK3318W** All White
**ELK3318BB** All Black
**ELK3318BZ** All Bronze
**ELK3318B** Black Reflector w/White Ring
**ELK3318H** Haze Reflector w/White Ring




### Square Adjustable Reflector

**ELK3329W** All White
**ELK3329BB** All Black
**ELK3329BZ** All Bronze
**ELK3329B** Black Reflector w/White Ring
**ELK3329C** Chrome Reflector w/White Ring
**ELK3329H** Haze Reflector w/White Ring




### Square Adjustable Pinhole

**ELK3327W** All White
**ELK3327BB** All Black
**ELK3327BZ** All Bronze
**ELK3327B** Black Reflector w/White Ring
**ELK3327H** Haze Reflector w/White Ring
**ELK3327N** Black Reflector w/Nickel Ring



### Square Reflector

**ELK3341W** All White
**ELK3341BB** All Black
**ELK3341BZ** All Bronze
**ELK3341B** Black Reflector w/White Ring




### Square Adjustable Wall Wash

**ELK3322W** All White




### Round Trimles
### Adjustable Smooth Reflector*

**ELK315W** All White
**ELK315H** All Haze

**Requires **EL3SFR** Spackle Frame*

For our entire selection of **Round & Square Trims** please visit us at ***elcolighting.com***

# Koto™ 4″ Trims

Precision diecast trims with twist-on mechanism for easy installation



### Round Deep Reflector

**ELK4118W** All White
**ELK4118BB** All Black
**ELK4118BZ** All Bronze
**ELK4118B** Black Reflector w/White Ring
**ELK4118C** Chrome Reflector w/White Ring
**ELK4118H** Haze Reflector w/White Ring




### Round Adjustable Reflector

**ELK4129W** All White
**ELK4129BB** All Black
**ELK4129BZ** All Bronze
**ELK4129B** Black Reflector w/White Ring
**ELK4129C** Chrome Reflector w/White Ring
**ELK4129H** Haze Reflector w/White Ring




### Round Adjustable Pinhole

**ELK4127W** All White
**ELK4127BB** All Black
**ELK4127BZ** All Bronze
**ELK4127B** Black Reflector w/White Ring
**ELK4127H** Haze Reflector w/White Ring
**ELK4127N** Black Reflector w/Nickel Ring
**ELK4127CP** Black Reflector w/Copper Ring




### Round Adjustable Slot Aperture

**ELK4130W** Black Slot w/White Ring




### Round Adjustable Wall Wash

**ELK4122W** All White



### Square Deep Reflector

**ELK4218W** All White
**ELK4218BB** All Black
**ELK4218BZ** All Bronze
**ELK4218B** Black Reflector w/White Ring
**ELK4218C** Chrome Reflector w/White Ring
**ELK4218H** Haze Reflector w/White Ring




### Square Adjustable Reflector

**ELK4229W** All White
**ELK4229BB** All Black
**ELK4229BZ** All Bronze
**ELK4229B** Black Reflector w/White Ring
**ELK4229C** Chrome Reflector w/White Ring
**ELK4229H** Haze Reflector w/White Ring




### Square Adjustable Pinhole

**ELK4227W** All White
**ELK4227BB** All Black
**ELK4227BZ** All Bronze
**ELK4227B** Black Reflector w/White Ring
**ELK4227H** Haze Reflector w/White Ring
**ELK4227N** Black Reflector w/Nickel Ring



### Square Reflector

**ELK4741WW** All White
**ELK4741BB** All Black
**ELK4741BZBZ** All Bronze
**ELK4741BW** Black Reflector w/White Ring
**ELK4741CW** Chrome Reflector w/White Ring
**ELK4741HW** Haze Reflector w/White Ring




### Square Adjustable Wall Wash

**ELK4222W** All White



### Round Trimles Smooth Reflector*

**ELK408W** All White
**ELK408B** All Black
**ELK408BZ** All Bronze
**ELK408H** All Haze
**ELK415W** All White, Adjustable
**ELK415B** All Black, Adjustable
**ELK415BZ** All Bronze, Adjustable
**ELK415H** All Haze, Adjustable




**Requres **EL4SFR** Spackle Frame*



### Square Trimles Smooth Reflector*

**ELK445W** All White
**ELK445B** All Black
**ELK445H** All Haze
**ELK459W** All White, Adjustable
**ELK459B** All Black, Adjustable
**ELK459H** All Haze, Adjustable




**Requres **EL4SFR** Spackle Frame*

For our entire selection of **Round & Square Trims** please visit us at ***elcolighting.com***

ELCAT1066



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