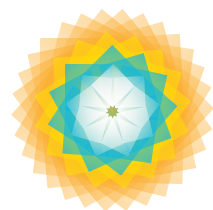


Recessed Lighting



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

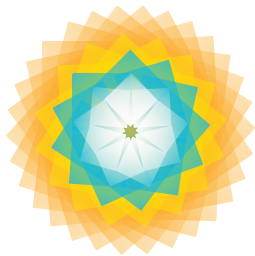
allows the user to change the color temperature of the light from cool to neutral to warm

- **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

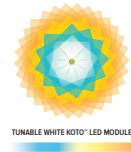


Swivel
Hanger Bars

Quick Connect

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

LED COB with White
Tunable Technology



TUNABLE WHITE KOTO™ LED MODULE

Trims with Twist-On System

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



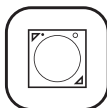
TITLE 24 COMPLIANT



DIMMABLE



90+ CRI



INTEGRATED LED



WET LOCATION



50,000 HOURS



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.



15°
(Spot)



18°
(Spot)



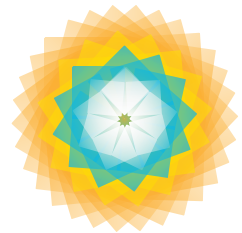
28°
(Narrow Flood)



38°
(Flood)



60°
(Wide Flood)



TUNABLE WHITE KOTO™ LED MODULE

Optional **Control Modules** for Tunable White Koto™ Fixture

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



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

Options Available:

CASAMBI   

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

Technology Partner
SILVAIR  

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

WiZ    

- 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

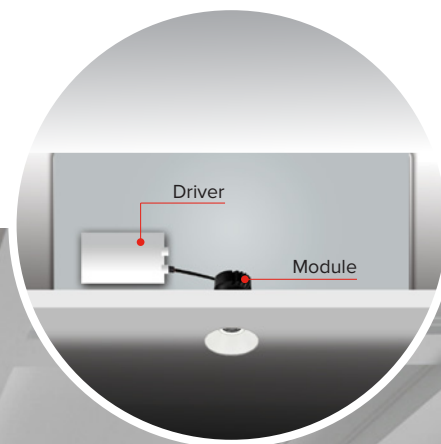


- DALI-2 DT8 certified
- Two-channel control of color temperature and intensity
- Commission and manage lighting fixtures via DALI2 DT8 certified controller



- 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

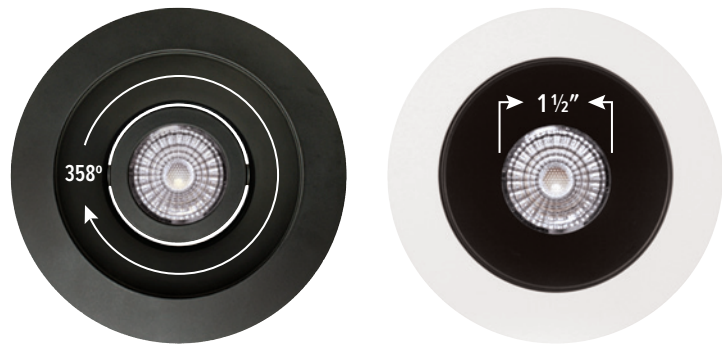
**Wired control devices required*





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.



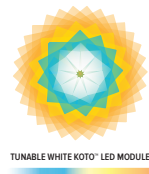
Fully Adjustable, Ideal For Directional And Accent Lighting

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



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

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

Requires Control Ready Housing Option

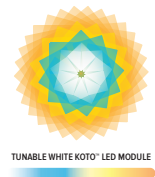
Control Module Brand	CASAMBI	SILVAIR	WIZ	WISILICA
Item Number	ETW3CS	ETW3SL	ETW3WZ	ETW3WS
Wired Control Protocol	DALI	0-10V		
Item Number	ETW3DL	ETW310V		

**Wired control devices required*

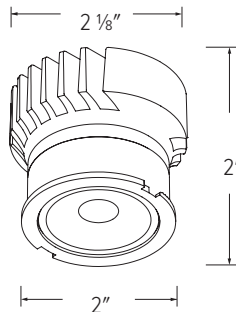
Example: **ETW3SL** [Wireless SILVAIR control module]

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

TWIST-ON

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

LENS HOLDER

Provides effortless in-field lens and secondary optics customizability

INTEGRATED LED

DIMMABLE

TITLE 24 COMPLIANT

90+ CRI

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



30°

Round Adjustable Reflector

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



30°

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



30°

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



30°

Square Adjustable Pinhole

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



30°

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

**Requires 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

**Requires EL4SFR Spackle Frame*

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

ELCAT1066



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