The
Tunable
White Koto™

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

EL 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...
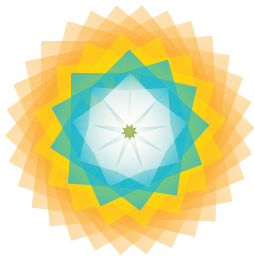
TUNABLE WHITE KOTO™ LED MODULE

The **Koto™ System**
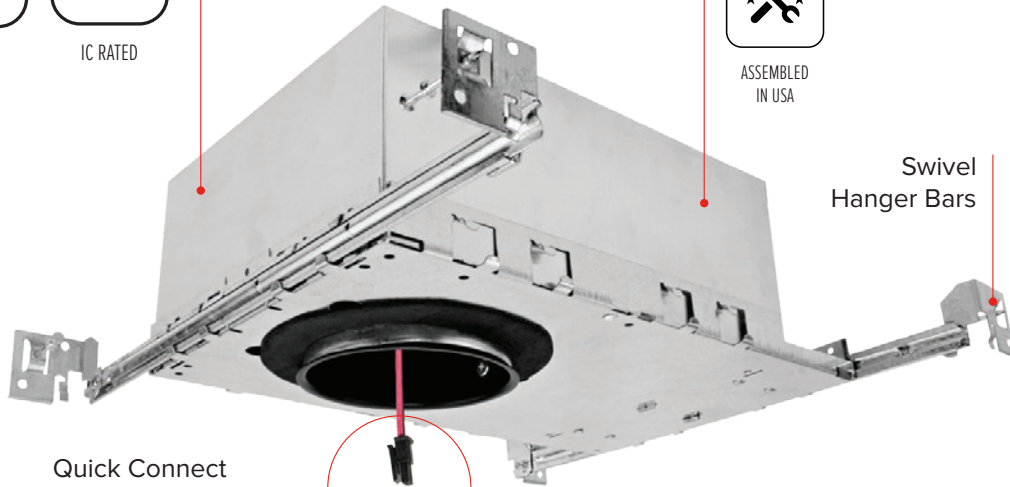
Tunable White Koto™ Fixture

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

JA8
TITLE 24 COMPLIANT

DIMMABLE

90+ CRI
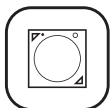
INTEGRATED LED

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.
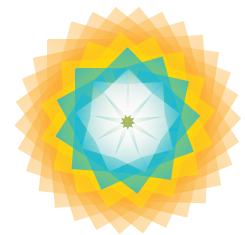
15°	18°	28°	38°	60°
(Spot)	(Spot)	(Narrow Flood)	(Flood)	(Wide Flood)

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

**Class 2
Control
Port**

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 - 15 drivers

Options Available:

CASAMBI	SILVAIR (Technology Partner)	WiZ CONNECTED	WISILICA
• 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

| DALI 2	0-10V
• 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
• Two-channel control of color temperature and intensity	
• Commission and manage lighting fixtures via DALI2 DT8 certified controller	

Wired control devices required

Driver

Module

Splitter

Ethernet
Cable
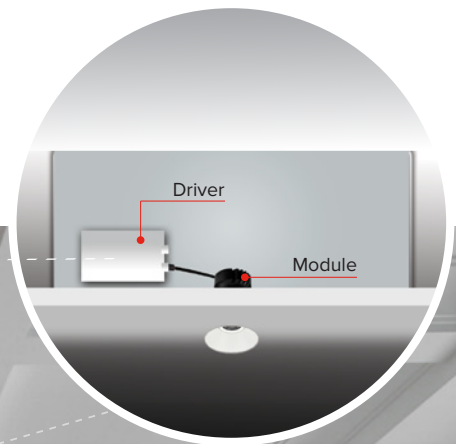
Control Module

Each area only needs 1 control module
that can be connected to a maximum of 15 drivers via ethernet cable

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	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

Tunable White Koto™ LED Module

2 ⅛"

2"

2"
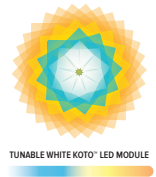
Koto™ LED Light Engine

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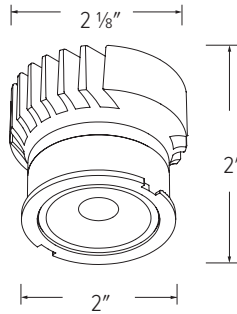- Works in 3" and 4" ELCO Tunable White housings with Koto™ twist-On trims
- Excellent color rendering 95+ CRI throughout white tuning
- ENERGY STAR Certified
- Title 24 JA8 2019 Registered
- Life span of 50,000 hours L70

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, 38º 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

JA8 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 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

EL **ELCO** Lighting

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