



The Axitune[®] Advantage.

Putting intelligence inside to make color quality simple.

The ability to change correlated color temperature (CCT) for various applications adds a dynamic quality to lighting, one that not only enhances architectural features, but can also positively affect health and wellbeing. Modulation of spectrum and intensity can help with circadian entrainment, which keeps a person's body clock aligned with the 24-hour day. It also provides time-of-day cues, to avoid confusion and delirium for a patient in an ICU, for example.

As is often the case, with added flexibility comes increased complexity. Axitune[®] technologies have been developed to make it simple for you. Our tunable white luminaires have reduced external programming requirements and put the intelligence inside to optimize for the features and benefits you need most.

Tunable White (TW). Simple, intuitive 2-channel control over CCT and brightness. Axitune[®] intelligence in the luminaire takes care of the LEDs and control. Select the preferred CCT and you can dim it.

Color System Testing

Axis has performed extensive system testing of technologies to ensure proper system performance across the factors that matter most to specifiers, architects, owners, occupants and installers.

- Electronics
- ✓ Calibration
- ✓ CRI
 ✓ Efficiency
 ✓ Duv
- ✓ User Interface
- Human Factors
- ✓ TM30

Þ

- ✓ Controls and Protocols
- ✓ Spectral Power Distribution



I / 7 January 10, 2023

Axis luminaire optics are designed to support internal color mixing with SurroundLite, UltraBlend lenses, & louvers. We deliver uniform lens appearance and uniformity, and neutral grey shadows.



Axis Color Lab, Research partnership with National Research Council of Canada

Specifying Axis Tunable White Technology

Axis tunable white systems can be specified in 4 easy steps. Details are provided below.



Select your tunable white technology



Select your control option



Select your Iuminaire **STEP 4**



Specify order code on your fixture cut sheet

STEP 1 Select Your Tunable White Technology

Dynamic White Lighting allows for tailored color mixing resulting in a wide range of CCTs to meet users' changing needs and preferences. We are offering two variations of CCT range to meet market demand, but TW2750 provides color mixing to result in a white that is closer to the Blackbody locus and minimizes Duv* compared to TW2765. Internal color mixing and proprietary lens technology assures good color uniformity and consistency. * deviation from the Blackbody locus

How It Works

These 2-channel systems allow users to independently adjust CCT and brightness to their desired effect. White LEDs have undergone special sorting to optimize color quality. Both systems dim according to DALI 2.0 protocol.



STEP 2 Select Your Control Option

Three controls options are available for Tunable White. The DALI* protocol is a simple solution for controlling color using two wires with no polarity. DALI protocol supports control of brightness on one channel and CCT on another channel. The DALI system enables the use of broadcast or group scene commands so all luminaires change at the same time.

Axis Tunable White is enabled with EldoLED, Signify, Acuity and Lutron drivers.**

Most control companies are now moving to DALI Type 8 as the preferred control system for tunable white, due to its many benefits over DALI Type 6. By using one address to control two channels - color temperature and brightness - it reduces the number of drivers, wiring and DALI addresses needed in an application, providing cost savings and reduced system complexity. We have tested several interfaces for compatibility, but it's up to the customer to ensure that every system is checked for compliance with the building's DALI control system. Contact Axis for the latest available options.

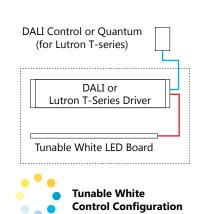
Code	Description	Brightness	ССТ
DALIDT6	DALI Type 6 (Two DALI Addresses)	\checkmark	\checkmark
***DALIDT8	DALI Type 8 (One DALI Address)	\checkmark	\checkmark
****LTTW	Lutron T-Series Tunable White	\checkmark	\checkmark

* DALI stands for Digital Addressable Lighting Interface, which is operated by the DALI Alliance.

**Axis is an EldoLED, Signify, Acuity and Lutron Technology partner.

***DALIDT8 is the default option if compatible with the building control system.

****LTTW is available with luminaires min 3' and longer. For luminaires shorter than 3' please consult factory.







Ordering Code		TW2750	TW2765	
CCT Range		2700K-5000K	2700K-6500K	
Available CRI		80 or 90 CRI	80 or 90 CRI	
Cha	Channel		2	2
Con	npatible Driver (Options	DALIDT6, DALIDT8, LTTW	DALIDT6, DALIDT8, LTTW
			•	•
		202 Pendant, Wall	✓	✓
		Arc Pendant, Wall	✓	\checkmark
	1	Air Pendant, Surface, Wall	~	\checkmark
		<mark>Aura, Dia, Day</mark> Troffers	✓	\checkmark
		Beam 2 Square Direct Pendant, Wall, Surface	\checkmark	\checkmark
PRODUCT		Beam 2 Square Indirect Pendant, Wall	\checkmark	\checkmark
		Beam 2 Recessed	\checkmark	\checkmark
		Beam 2 Direct/Indirect, Direct Pendant, Wall, Surface	\checkmark	\checkmark
		Beam 2 Indirect Pendant, Wall	\checkmark	\checkmark
		Beam 2 MikroLite [™] 1.5 Pendant <u>Combined</u> , <u>MikroLite Only</u>	\checkmark	\checkmark
		Beam 3 Direct/Indirect, Direct Pendant, Wall, Surface	\checkmark	\checkmark
		Beam 3 Indirect Pendant, Wall	\checkmark	\checkmark
		Beam 3 Recessed, Perimeter Recessed	\checkmark	\checkmark
		Beam 4 Direct/Indirect, Direct Pendant, Wall, Surface	\checkmark	\checkmark







Ordering Code	TW2750	TW2765
CCT Range	2700K-5000K	2700K-6500K
Available CRI	80 or 90 CRI	80 or 90 CRI
Channel	2	2
Compatible Driver Options	DALIDT6, DALIDT8, LTTW	DALIDT6, DALIDT8, LTTW
	•	•

	Beam 4 Indirect Pendant, Wall	\checkmark	\checkmark
	Beam 4 MikroLite™ 1.5 Pendant <u>Combined</u>	\checkmark	\checkmark
	Beam 4 Recessed, Perimeter Recessed	\checkmark	\checkmark
	Beam 6 Direct/Indirect, Direct Pendant, Wall, Surface	\checkmark	\checkmark
	Beam 6 Recessed, Perimeter Recessed	\checkmark	~
A Contraction	Cove Perfekt™ Ceiling <u>Hi-Output</u> , <u>Lo-Output</u>	\checkmark	~
in	Cove Perfekt™ Wall <u>Hi-Output</u> , <u>Lo-Output</u>	\checkmark	\checkmark
	Elle™ Ceiling Line <u>Corner, 90⁰, 45⁰</u>	\checkmark	\checkmark
\triangleleft	Geometric™ <u>Recessed</u>	\checkmark	~
	Graze Perfekt Perimeter, Pendant, Surface	\checkmark	~
	LT SurroundLite® Pendant, Wall	\checkmark	\checkmark
	Mini Box Pendant, Wall, Wall Vertical, Surface	\checkmark	\checkmark
	Prime Pendant, Wall, Surface	\checkmark	\checkmark
	Sculpt [™] Direct/Indirect, Direct Pendant, Wall, Surface	\checkmark	\checkmark
1	Sculpt [™] Indirect Pendant, Wall	\checkmark	\checkmark
		Pendant, Wall Image: Seam 4 MikroLite'' 1.5 Pendant Combined Recessed, Perimeter Recessed Image: Seam 6 Direct/Indirect, Direct Pendant, Wall, Surface Image: Seam 6 Direct/Indirect, Direct Recessed, Perimeter Recessed Image: Seam 6 Direct/Indirect, Direct Image: Seam 7 Direct	Image: Pendant, Wall Image: Wall Image: Pendant, Combined Image: Wall Image: Pendant, Combined Image: Wall Image: Pendant, Combined Image: Wall Image: Pendant, Wall, Surface Image: Wall Image: Pendant, Wall, Wall Vertical, Surface Image: Wall Image: Pendant, Wall, Wall Vertical, Surface Image: Wall Image: Pendant, Wall, Surface Image: Wall Image:





Tunable White

Ordering Code		TW2750	TW2765	
CCT Range		2700K-5000K	2700K-6500K	
Available CRI		80 or 90 CRI	80 or 90 CRI	
Channel		2	2	
Cor	Compatible Driver Options		DALIDT6, DALIDT8, LTTW	DALIDT6, DALIDT8, LTTW
			•	•
-		Sculpt™ <u>Recessed, Perimeter Recessed</u>	~	\checkmark
		Sculpt [™] MikroLite [™] 1.5 Pendant <u>Combined</u> , <u>Direct MikroLite Only</u> , <u>Direct/Indirect MikroLite Only</u>	✓	\checkmark
		Sculpt [™] MikroLite [™] 1.5 Recessed <u>Combined</u> , <u>MikroLite Only</u>	✓	✓
		Sculpt [™] MikroLite [™] 1.5 Surface <u>Combined</u> , <u>MikroLite Only</u>	✓	✓
		Sculpt [™] SoftZone [®] Pendant Direct/Indirect, Direct, Indirect	✓	✓
PRODUCT		SideStep Pendant	✓	✓
		Sketch [®] Recessed	✓	\checkmark
		SkyeFall Recessed	✓	\checkmark
		SkyePool Recessed 2x2	\checkmark	\checkmark
	\searrow	SkyePlane Regressed <u>1x1, 1x2, 1x4, 2x2, 2x4</u>	\checkmark	\checkmark
		SkyeScape Recessed 2x2	\checkmark	\checkmark
		SkyeView Recessed	\checkmark	\checkmark
	17	SkyeView Recessed <u>1x4</u>	✓	✓
		Slim Pendant Direct, Semi-Direct, Indirect, Semi-Indirect	\checkmark	\checkmark







 \mathbf{w}

 \mathbf{v}

Ordering Code	TW2750	TW2765
CCT Range	2700K-5000K	2700K-6500K
Available CRI	80 or 90 CRI	80 or 90 CRI
Channel	2	2
Compatible Driver Options	DALIDT6, DALIDT8, LTTW	DALIDT6, DALIDT8, LTTW

		Slim Wall Indirect, Semi-Indirect	\checkmark	\checkmark
	1	Twig Semi-Indirect Pendant, Wall	\checkmark	\checkmark
		Wall Wash Perfekt Recessed, Pendant, Surface	\checkmark	N/A
	11/	Flexible Ambient 1x1, 1x4, 2x2, 2x4	\checkmark	\checkmark
	T	Multi-Function Asymmetric Overbed Single, Duo	\checkmark	\checkmark
UCTS	11	Multi-Function Overbed 2x2, 2x4	\checkmark	\checkmark
BALANCEDCARE PRODUCTS		Sconces Box, Open Book, Closed Book	\checkmark	\checkmark
		Tranquility Drop Lens 2x2	\checkmark	\checkmark
		Tranquility Overlay Lens 2x2, 4x4	\checkmark	\checkmark
	A CONTRACTOR	Tranquility Regressed Lens 2x2, 2x4	\checkmark	\checkmark
		Tranquility Sconces Box, Open Book, Closed Book	\checkmark	\checkmark
		Elle Ceiling Line, Corner, 45 ⁰	\checkmark	\checkmark



STEP 4 Specify on your Fixture Cutsheet

How to Specify your new Axis Tunable Technology. Example:

Fixture selection: BEAM 2 Square Pendant Direct

From Step 3 on p. 3, verify fixture/technology compatibility in matrix shown on p. 3. Click on fixture image in left column to pull up ordering cut sheet.

Technology selection: 2700K to 5000K Tunable White

From STEP 1, note technology code (TW2750) in COLOR TEMP field.

Control selection: DALI TYPE 6

From Step 2, note control code (DALIDT6) in DRIVER field.

1. Tunable White technology NOT AVAILABLE with integrated sensors

2. Tunable White technology AVAILABLE with battery packs connected to the cool color.

Please consult factory for additional information.

