

INTENDED USE

This commercial-grade LED acoustic felt material pendant light is designed for sound absorption. Ideal for open offices, lobbies and reception areas and corridors, and other commercial interiors benefiting from reduced noise. Available in seamless runs of any length with a wide range of felt colors. Ideal for intelligent and stylized acoustic lighting.

FEATURES

Construction: Die-formed and welded 22-gauge cold rolled steel with sound absorbing felt material NRC-rated (Noise reduction coefficient)

Continuous Run: Full ability to tandem mount for continuous run application

Noise Reduction Material: 100% virgin polyester pewter and slate acoustic felt colors are standard. See page 2 for premium felt colors offered

Lens: Glare-free snap in acrylic for even distribution

Voltage: 0-10V @ 120-277V, TRIAC & ELV @ 120V 50/60 Hz constant current

Dimming: 0-10V dimmable driver as standard, TRIAC (Forward-phase), ELV (Reverse-phase)

CRI: 80+ is standard, 90+ optional

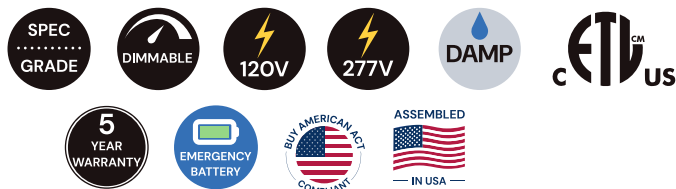
Life: +60,000 Reported L70 Hours @ 55°C

Nominal Lamp Life: 100,000 hours (LM80 tested)

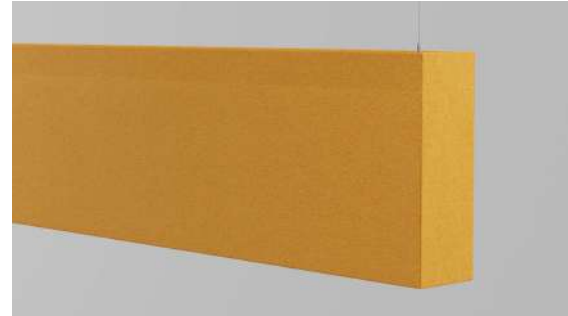
Operating Temperature: -4°F ~ 122°F

Warranty: 5 Years carefree for parts & components (Labor not included) optional 7 or 10 years warranty

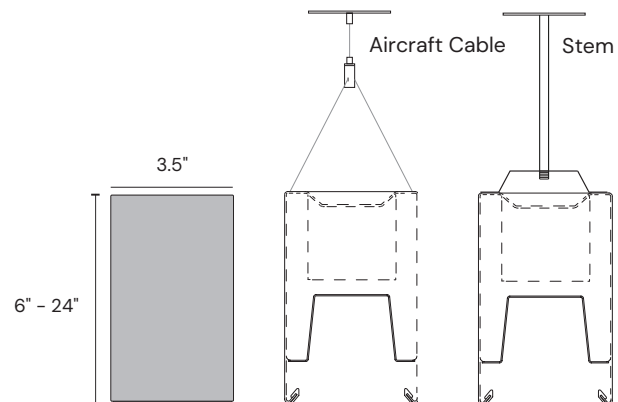
Listings: UL/cUL Listed, UL listed for damp location, DLC listed, CEC Compliant EM, Assembled in USA (optional), BAA compliant (optional)



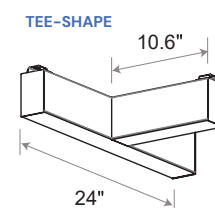
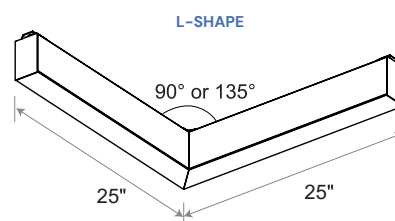
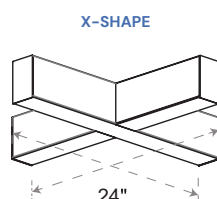
Pendant



Surface



SHAPES



ORDERING INFORMATION Example:

MODEL		12101-20
MOUNTING		P Pendant S Surface
HEIGHT		6IH 6-Inch Height 8IH 8-Inch Height 10IH 10-Inch Height 12IH 12-Inch Height XXIH Custom Specify in Feet (maximum 24" in 2" increments)
DOWNLIGHT LUMENS <i>Per 4 Foot Sections</i>		18W 18W 734 lm/ft 27W 27W 924 lm/ft 36W 36W 991 lm/ft 54W 54W 1467 lm/ft 48W 48W 1384 lm/ft ¹²
SHAPE	(Specify in Feet)	RF Single Run ^{XX} = 2', 3', 4', 6' or 8' CR Continuous Run ^{XX} = Length RC Rectangle ^{XX} = Width & Length SQ Square ^{XX} = Width & Length XX Cross ² ^{XX} = Leg 1 & Leg 2 TE Tee ² ^{XX} = Leg 1 & Leg 2 L90 90° ² ^{XX} = Leg 1 & Leg 2 L135 90° ² ^{XX} = Leg 1 & Leg 2
COLOR TEMPERATURE		27K 2700K ³ 30K 3000K 35K 3500K 40K 4000K 50K 5000K TW2750 2700-5000K (Wireless, Wired) ^{13, 16} TW2065 2000-6500K (Wireless, Wired) ^{13, 16} TW2065 3000-6500K (Wireless) ^{13, 15}
CRI		80 80+ ^{Std.} 90 90+ ⁴
VOLTAGE		UNV 120-277V (Universal) ^{Std.} 120V 120V 277V 277V HV 347V ⁵
FINISH		WH White (Matte) SL Silver BK Black (Matte) WMA Anti-Microbial Coating (Matte Skye White) RAL# Specify RAL # (Pg. 6)
ACOUSTIC FELT FINISH		PW Pewter SLT Slate XX Custom premium colors (Specify from chart on page 5)
DESIGN		RGL 45° regressed FLT Flat
PENDANT MOUNTING		Blank Not Required AC4 4' Adjustable Aircraft Cable AC8 8' Adjustable Aircraft Cable ST2 2' Stem ⁶ ST4 4' Stem ⁶ ST_{XX} Specify ^{XX} in Feet (Max 8') ⁶
PENDANT CEILING TYPE		Blank Not Required T T-bar Ceiling SS9 9/16" Screw Slot ceiling HD Hard Ceiling SHD Sloped Hard Ceiling
PENDANT CORD / CANOPY FINISH		Blank Not Required WH/RAL White Cord / Specify RAL# WH/WH White Cord / White Canopy WH/SL White Cord / Silver Canopy BK/BK Black Cord / Black Canopy ⁷ BK/SL Black Cord / Silver Canopy ⁷
DRIVER		D10 0-10V dim to 1% ^{Std.} TR TRIAC (120V) Internal ELV Electronic (120V) Internal O50 Tunable White 0-10V (Wired) ¹⁴ 24V Tunable White 24VDC power supply ¹⁴
OPTIONS		EM8 8 Watt Emergency Battery ⁸ EM15 15 Watt Emergency Battery ⁸ EM20 20 Watt Emergency Battery ⁸ EM25 25 Watt Emergency Battery ⁸ DYS Daylight Dimming Photo Sensor ⁹ OS Occupancy Sensor ¹⁰
CONTROLS		Blank Not Required TW-WWR-WH Wireless Wall Remote (White) ^{13, 15} TW-2N1-WH Dual Wall Switch ^{13, 16} TUY Tuya (Wireless) ^{Std, 12, 15} CAS Casambi (Wireless) ^{12, 16} AVN AVI-ON (Wireless) ^{12, 16} KA Keiton + autani (Wireless) ^{12, 16}
QUALIFICATIONS		AUSA Assembled in USA BAA Buy American Act
WARRANTY		W5 5 Year Warranty ^{Std.} W7 7 Year Warranty ¹¹ W10 10 Year Warranty ¹¹

¹ Includes (1) 8 ft lens

² Minimum length: 2 ft

³ Available in 90+ CRI only

⁴ Lumens per watt is approximately 15% lower than standard 80+ CRI

⁵ 347V is not compatible with Emergency Battery Backup

⁶ Stem finish matches fixture finish

⁷ Black cord is not available with the EM options

⁸ For 3 ft configurations, EM driver must be remote-mounted. Remote enclosure provided by others

⁹ Automatic on/off is not available. For automatic on/off, additional occupancy sensor is required or a manual on/off switch can be done. (0-10 VDC Control)

¹⁰ Occupancy/Daylight/0-10V Dimming

¹¹ Warranty covers electrical components only; excludes labor, equipment rental, or defects resulting from improper installation or operation

¹² Available in Tunable White only

¹³ Wireless controls must be specified (see pages 7-8)

¹⁴ Drivers compatible with Tunable White controls only

¹⁵ Available with 24V driver only

¹⁶ Available with O50 driver only

EFFICIENCY

Series	Size	Watts	AC Input	Fixture Lumen Output (4000K)		Lumen Efficiency (4000K)
12101-20	2'	18W	9.9W	1280.46 lm (100% Down)	1280.46 lm	129.34 lm/W
		27W	14.85W	1641.66 lm (100% Down)	1641.66 lm	110.55 lm/W
		36W	19.8W	2122.36 lm (100% Down)	2122.36 lm	107.19 lm/W
		48W	26.4W	2811.6 lm (100% Down)	2811.6 lm	106.5 lm/W
		54W	29.7W	3146.41 lm (100% Down)	3146.41 lm	105.94 lm/W
	3'	18W	14.85W	1921.29 lm (100% Down)	1921.29 lm	129.38 lm/W
		27W	22.27W	2461.50 lm (100% Down)	2461.50 lm	110.53 lm/W
		36W	29.7W	3182.95 lm (100% Down)	3182.95 lm	107.17 lm/W
		48W	39.6W	4217.4 lm (100% Down)	4217.4 lm	106.5 lm/W
		54W	44.55W	4720.51 lm (100% Down)	4720.51 lm	105.96 lm/W
	4'	18W	19.8W	2562.12 lm (100% Down)	2562.12 lm	129.40 lm/W
		27W	29.7W	3283.33 lm (100% Down)	3283.33 lm	110.55 lm/W
		36W	39.6W	4244.72 lm (100% Down)	4244.72 lm	107.19 lm/W
		48W	52.8W	5623.2 lm (100% Down)	5623.2 lm	106.5 lm/W
		54W	59.4W	6294.02 lm (100% Down)	6294.02 lm	105.96 lm/W
	5'	18W	24.75W	3202.15 lm (100% Down)	3202.15 lm	129.38 lm/W
		27W	37.13W	4104.72 lm (100% Down)	4104.72 lm	110.55 lm/W
		36W	49.5W	5305.9 lm (100% Down)	5305.9 lm	107.19 lm/W
		48W	66W	7029 lm (100% Down)	7029 lm	106.5 lm/W
		54W	74.25W	7866.78 lm (100% Down)	7866.78 lm	105.95 lm/W
	6'	18W	29.7W	3842.58 lm (100% Down)	3842.58 lm	129.38 lm/W
		27W	44.55W	4925 lm (100% Down)	4925 lm	110.55 lm/W
		36W	59.4W	6367.08 lm (100% Down)	6367.08 lm	107.19 lm/W
		48W	79.2W	8434.8 lm (100% Down)	8434.8 lm	106.5 lm/W
		54W	89.1W	9400.14 lm (100% Down)	9400.14 lm	105.95 lm/W
	8'	18W	39.6W	5124.24 lm (100% Down)	5124.24 lm	129.40 lm/W
		27W	59.4W	6566.67 lm (100% Down)	6566.67 lm	110.55 lm/W
		36W	79.2W	8489.45 lm (100% Down)	8489.45 lm	107.19 lm/W
		48W	105.6W	11246.4 lm (100% Down)	11246.4 lm	106.5 lm/W
		54W	118.8W	12588.05 lm (100% Down)	12588.05 lm	105.96 lm/W

CCT	Multiplier		
	3000K	3500K	5000K
Down only	0.9642	0.9822	1.0357

OUTPUT CURRENT

		Bi-Level		Tri-Level (Default)	
SW1	SW2	Config Range	Default	Config Range	Default
Close	Open	10% - 70%	40%	10% - 70%	30%
Open	Close	10% - 70%	40%	10% - 70%	70%
Close	Close	100%	100%	100%	100%
Open	Open	0%	0%	0%	0%

PHOTOMETRICS

12101-20-S-27W-4F
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	555 FC	3.9 FT 3.1 FT
3.3FT	147 FC	7.6 FT 6.1 FT
5.0FT	64.1 FC	11.6 FT 9.2 FT
6.7FT	35.7 FC	15.5 FT 12.3 FT
8.3FT	23.3 FC	19.2 FT 15.2 FT
10.0FT	16.0 FC	23.2 FT 18.4 FT

■ Vert. Spread: 98.4°
■ Horiz. Spread: 85.1°

12101-20-S-54W-4F
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	993 FC	3.9 FT 3.1 FT
3.3FT	263 FC	7.6 FT 6.1 FT
5.0FT	115 FC	11.6 FT 9.2 FT
6.7FT	63.9 FC	15.5 FT 12.3 FT
8.3FT	41.6 FC	19.2 FT 15.2 FT
10.0FT	28.7 FC	23.2 FT 18.4 FT

■ Vert. Spread: 98.4°
■ Horiz. Spread: 85.1°

12101-20-S-27W-6F
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	846 FC	3.9 FT 3.1 FT
3.3FT	225 FC	7.6 FT 6.1 FT
5.0FT	97.8 FC	11.6 FT 9.2 FT
6.7FT	54.5 FC	15.5 FT 12.3 FT
8.3FT	35.5 FC	19.2 FT 15.2 FT
10.0FT	24.5 FC	23.2 FT 18.4 FT

■ Vert. Spread: 98.4°
■ Horiz. Spread: 85.1°

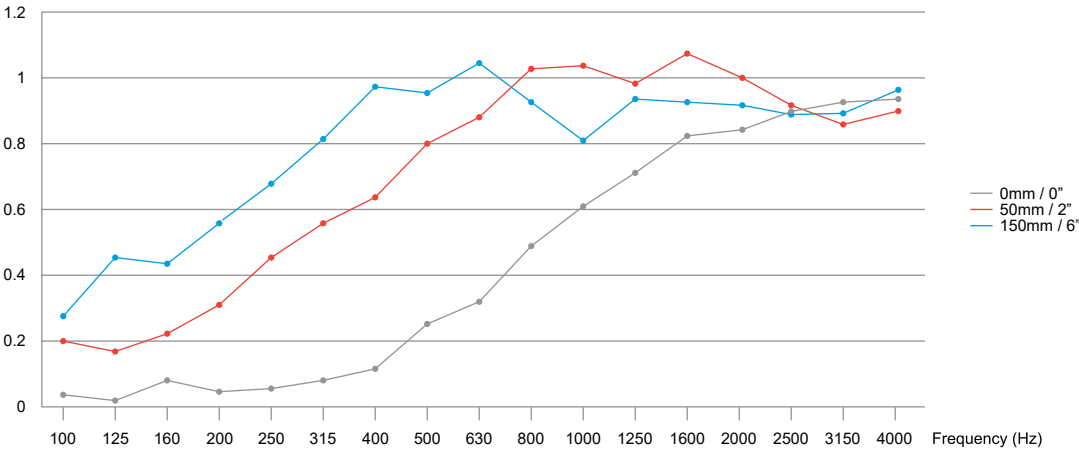
12101-20-S-54W-8F
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	1,986 FC	3.9 FT 3.1 FT
3.3FT	527 FC	7.6 FT 6.1 FT
5.0FT	230 FC	11.6 FT 9.2 FT
6.7FT	128 FC	15.5 FT 12.3 FT
8.3FT	83.3 FC	19.2 FT 15.2 FT
10.0FT	54.7 FC	23.2 FT 18.4 FT

■ Vert. Spread: 98.4°
■ Horiz. Spread: 85.1°

NOISE REDUCTION COEFFICIENT COMPARISON

Frequency/Hz	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	ā	NRC
0mm / 0"	0.03	0.01	0.09	0.04	0.05	0.09	0.12	0.25	0.32	0.49	0.61	0.72	0.82	0.85	0.91	0.94	0.95	0.44	0.45
50mm / 2"	0.20	0.16	0.22	0.32	0.46	0.56	0.63	0.80	0.89	1.03	1.04	0.99	1.07	1.00	0.93	0.87	0.92	0.81	0.80
150mm / 6"	0.29	0.46	0.44	0.57	0.68	0.81	0.97	0.96	0.91	1.04	0.92	0.80	0.94	0.94	0.91	0.90	0.91	0.97	0.90



ACOUSTIC FELT FINISH

Standard



PW: Pewter



SL: Slate

Premium



TR: Tar



MD: Mandarin



OC: Ochre



GR: Grass

FR: Frost



LN: Linen



EC: ECRU



CH: Chambary



SK: Sky



CB: Cobalt



GE: Greige



CD: Cadet



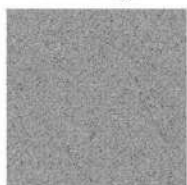
MC: Malachite



FO: Fossil



IV: Ivory



SM: Smoke



BR: Bark

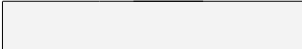


SS: Sunshine

Premium fees and longer lead time will be applied on non-standard options.

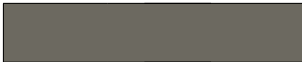
AVAILABLE FINISHES

Standard

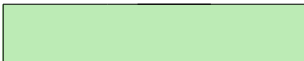
	Matte White	RAL #9003
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Set up fee and longer lead time will be applied on non-standard finishes.

Metropolitan

	Black	RAL #9011
	Silver	RAL #9022
	Asher Grey	RAL #7004
	Mason	RAL #7039
	Slate	RAL #7031
	Tech Grey	RAL #7016
	Chocolate Spice	RAL #8017
	Urban Native	RAL #8025
	Carmin	RAL #8028
	Reseda Green	RAL #6011

Vibrant

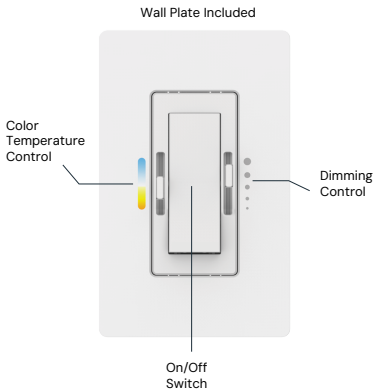
	Violet Dreams	RAL #4006
	Purple Red	RAL #3004
	Carmine Red	RAL #3002
	Rose	RAL #3017
	Pure Orange	RAL #2004
	Traffic Yellow	RAL #1023
	Daisy	RAL #1018
	Antique Spring	RAL #6019
	Island Skye	RAL #6027
	Sky Blue	RAL #5015

COMPATIBLE DIMMERS



Dynamic White		
Triac	ELV	0-10V
TG-600P	DVELV-303P	NTSTV
LG-600P	SELV-300P	NFTV
TGCL-153P	MAELV-600	DVSTV
DV-600P	FAELV-500	
DVCL-153P		
S-603PG		
CT-103P		
S-600P		
6161	IPE04	IP710-DLZ
6633-P	VPE06-1LZ	
6683		
6631-2		
IPI06-1LZ		

TUNABLE WHITE



TW-2N1-WH Dual Wall Switch

Input:	120VAC ~ 60Hz
Control:	0-10V
Wired Tunable White:	TW2750 & TW2065

** Not included.



TW-WWR-WH (Wireless Wall Remote — White)

Dimensions	L 4.3" x W 2" x D 0.85"
Weight	0.1 lbs
Signal Type	RF (Radio Frequency) 2.4GHz
Zone	4 zone
Range	98ft from fixture
Working Temp.	-4°F to 131°F (-20°C to 55°C)
* Battery	2 x AAA battery

** Not included.

TUNABLE WHITE DRIVER OPTIONS

TUY (Tuya Smart — Wireless Control, Standard Option)



Tuya Smart

Bluetooth	
Software	IOS 8.0 and up, Android 4.4 and up
App	Smart Life or Tuya Smart supported
Features	Group, Scenes
Bluetooth Distance	> 49ft in open area
Additional Feature	Home Management / Third party control -> Alexa, Google Assistant (by others)

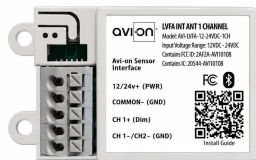
* Not a standalone driver — Bluetooth control is integrated into the fixture itself.

CAS (Casambi CBU-A2D — Dual-Channel 0–10V / DALI Dimming Module)



Model	CBU-A2D
Dimming Output	Dual-channel 0–10V, or DALI (selectable mode)
Signal Type	Bluetooth Mesh (up to 250 devices)
Input Voltage	100–277VAC (universal)
App Required	Casambi App (iOS & Android)
Compatibility	0–10V LED drivers, tunable white drivers; DALI drivers/sensors in DALI mode

AVN (AVI-ON LVFA — Low Voltage Fixture Adapter)



Dimensions	L 2.30" x W 1.43" x D 0.75" (58.2 x 36.4 x 19mm)
Weight	0.45oz (16g)
Signal Type	Bluetooth Mesh (BLE 4.2)
Dimming Output	0–10V (1 or 2 channel)
Input Voltage	12–24VDC (requires host driver AUX output or external Avi-on power supply)
Current Draw	15mA (no sensor) / 19mA (DC PIR) / 48mA (DC Microwave sensor)
Range	80ft obstructed / 350ft unobstructed (point-to-point); effectively unlimited across full mesh
Working Temp.	–40°F to 158°F (–40°C to 70°C)
Variants	1-Channel, 2-Channel/CCT (tunable white), Dual-Driver Color-Changing, Outdoor External-Antenna

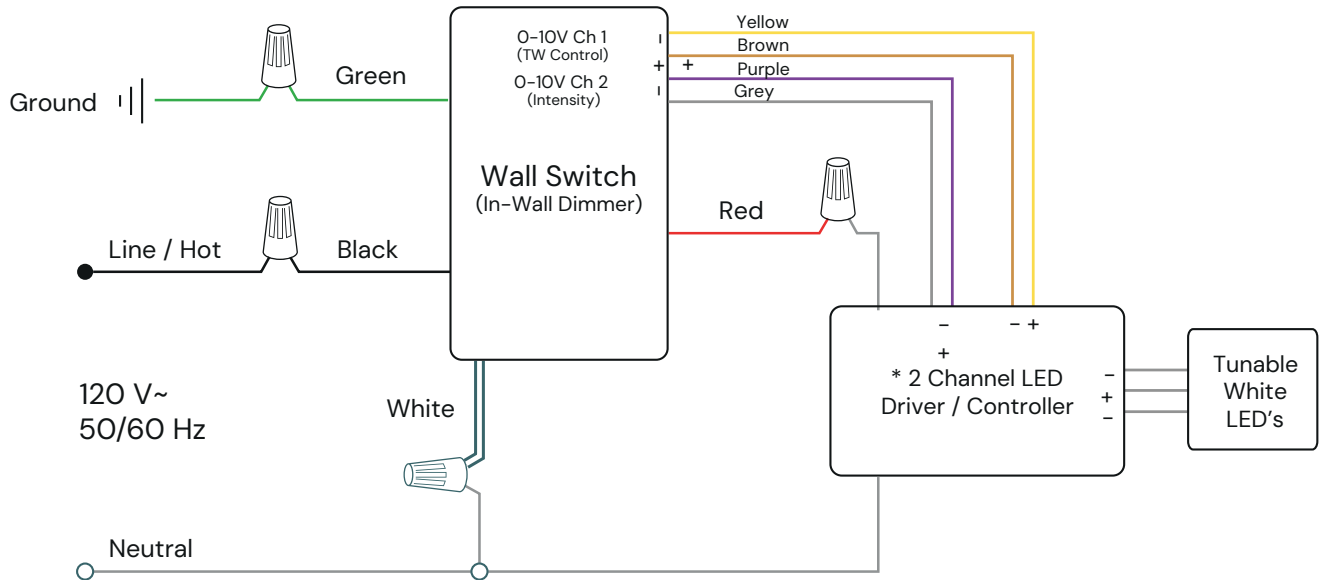
* Low-voltage device — does not accept 120–277VAC directly; must be paired with a compatible line-voltage driver.

KA (Keiiton + Autani PPA102S.C2 — Line Voltage Fixture Controller)



Model	PPA102S.C2
Signal Type	Bluetooth v5.0, 2.4GHz
Dimming Output	Dual 0–10V + integrated 6A relay
Input Voltage	120–277VAC
Aux Output	12VDC / 200mA (for Keiiton Eco-Sensor family)
Range	~200ft
Working Temp.	–22°F to 149°F (–30°C to 65°C)
IP Rating	IP20
Mounting	Standard 1/2" knockout
Certifications	FCC, CE, cULus, DLC, Plenum Rated, RoHS, UL1376 Gold

O-10V DUAL CHANNEL TUNABLE WHITE WIRING



COLOR TEMPERATURE GUIDE

