

Project Name:

Type:

Quantity:

FIXTURE SPECIFICATIONS

INTENDED USE

This four-inch aperture, architectural-grade pendant, recessed, wall or surface-mounted light offers high-CRI, LED illumination for healthcare applications. Die-formed and welded with 22-gauge cold rolled steel, our linear suspension lighting fixture comes in standard lengths (2', 3', 4', 6' and 8') with an ability to tandem mount the light for continuous run. The antimicrobial downlight, with both female and male quick connect harnesses, combines power, style and versatility. Glare-free lens for better lighting distribution included.

PRODUCT FAMILY

12500-40-P Pendant Mount
12500-40-W Wall Mount
12500-40-S Surface Mount
12500-40-R Recessed Mount

AVAILABLE LENGTHS

2FT, 3FT, 4FT, 6FT & 8FT
Continuous Run | Consult Factory
Custom Length | Consult Factory

FEATURES

Construction: Die-formed and welded 22-gauge cold rolled steel

Finish: White antimicrobial finish prevents bacterial growth on exposed painted surfaces

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

Custom Design: Offered with pre-fabricated and fully illuminated corners

Lens: Glare-free frosted acrylic flat or 1/2" drop lens for even distribution

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

Dimming for Static Color: 0-10V, TRIAC (Forward-phase), ELV (Reverse-phase)

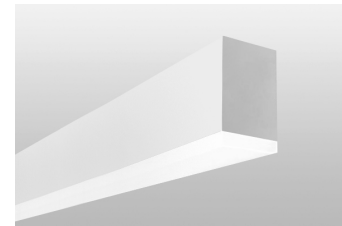
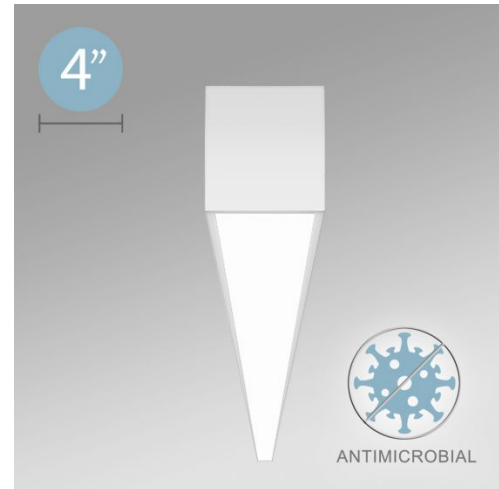
RGBW Smart Phone App: Light Mesh Bluetooth App for [iOS](#) and [Android](#)

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

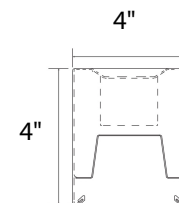
Operating Temperature: 4°F (-20°C) ~ 122°F (50°C).

Warranty: 5 years (dynamic colors) and 2 years (RGBW & Tunable White) Carefree for parts & components (Labor not included)

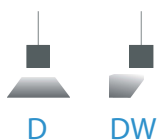
Listings: cULus Listed, UL listed for Damp Location, DLC listed (Excludes RGBW), ADA compliant (Less than 4" off wall)



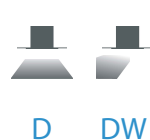
Optional Drop Down Lens



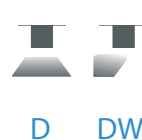
Pendant



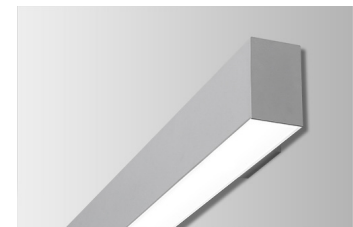
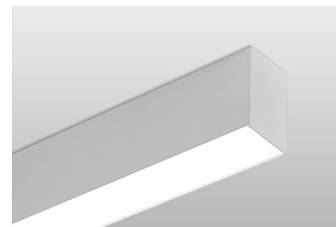
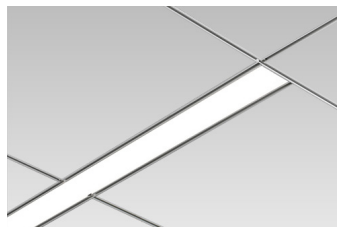
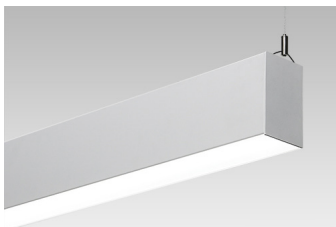
Recessed



Surface



Wall



ORDERING INFORMATION

Example: (12500-40-P-D-D4-S4-27K-010-8-FL)

MODEL		12500-40 4" x 4"		
MOUNTING		P Pendant W Wall S Surface	RT Recessed T-Bar Grid RS Recessed Screw Slot Grid	RF Recessed Flanged RTL Recessed Trimless
OPTICS		D Direct DW Direct Wallwash		
LED DOWNLIGHT		DYNAMIC WHITE D4 4.5 Watts 725 lms D9 9 Watts 1241 lms D13 13.5 Watts 1753 lms	TUNABLE WHITE ¹ TW-DLO 480 lms (Wireless) TW-DHO 768 lms (Wireless)	RGBW ¹ RGBW-D10 10 Watts 425 lms
SHAPE	(Specify in Feet)	S_{xx} Single Run xx = 2', 3', 4', 6' or 8' CR_{xx} Continuous Run xx = Length RC_{xx} Rectangle ² xx = Width & Length SQ_{xx} Square ² xx = Width & Length	X_{xx} Cross ² xx = Leg 1 & Leg 2 T_{xx} Tee ² xx = Top leg & Base Leg 90_{xx} 90° Angle ² xx = Leg 1 & Leg 2 135_{xx} 135° Angle ² xx = Leg 1 & Leg 2	CW_{xx} Ceiling to Wall ² xx = Ceiling & Wall CU Custom ³
COLOR TEMPERATURE		DYNAMIC WHITE 27K 2700K Warm White 30K 3000K Soft White 35K 3500K Neutral White 40K 4000K Cool White 50K 5000K Daylight	TUNABLE WHITE ¹ TW2750 2700-5000K ⁴ TW2065 2000-6500K ⁴ TW2762 2700-6200K (Wireless) ⁵	RGBW ¹ RGBW30 RGB + W (3000K) RGBW42 RGB + W (4200K)
DRIVER		010 0-10V 1% ^{Standard} TRI Triac (120V) ELV Electronic Low Voltage LDE5 Ecosystem 5-Series 5% LDE1 Ecosystem Hi-Lume 1% ES566 eldoLED 0-10V SOLOdrive BLS Bi-Level Step 40/100% BLS_{xx} Bi-Level Step xx /100% TLS Tri-Level Step 30/70/100% TLS_{xx} Tri-Level Step xx / xx /100%	050 Tunable White 0-10V	24V RGBW & Wireless Tunable White ⁸
PENDANT MOUNTING		Blank Not Required	AC4 4' Adjustable Aircraft Cable AC8 8' Adjustable Aircraft Cable ACX Specify X in Feet (Max 30')	ST2 2' Stem ST4 4' Stem STX Specify X in Feet (Max 8')
PENDANT CEILING TYPE		Blank Not Required	T T-Bar Ceiling	H Hard Ceiling SH Hard Ceiling Sloped
CRI		8 80+ CRI ⁹	9 90+ CRI ^{6 9}	
LENS		FL Flat	DL 1/2" Drop Down	
CONTROLS		DYNAMIC WHITE Blank Not Required LV Lutron VIVE Wireless ⁷ FE Fulham Elite Control ⁷	TUNABLE WHITE ¹ TW-WWR-BK Black Wall Remote (Wireless) TW-WWR-WH White Wall Remote (Wireless) TW-DWR-BK Black Desktop Remote (Wireless)	RGBW ¹ RGBW-APP iOS/Android Bluetooth App RGBW-SZ Wireless RF Remote Control Single Zone RGBW-MZ Wireless RF Remote Control Multi Zone WIRED DUAL-SWITCH Dual Switch
WARRANTY		Blank 5 Year Warranty ^{Standard}	W7 7 Year Warranty	W10 10 Year Warranty
OPTIONS		EM5 5W Emergency Battery EM8 8W Emergency Battery EM16 16W Emergency Battery	OS Occupancy & Daylight Harvesting Sensor DS Daylight Dimming Photo Sensor ELCU-200 Fail-to-on Emergency UL924	AB Separate Uplight & Downlight Dimming Control ⁸ GTD Bodine Generator Transfer Device COC Chicago Code Compliance Separated EM Feed
VIVE CONTRTOL SYSTEM		VDO Integral RF Occupancy/Daylight (EcoSystem) VRF Integral RF (EcoSystem)	FCJS0 PowPak (0-10V) FCJSE PowPak (EcoSystem) FCJS0EM EM UL924 PowPak (0-10V) FCJSEEM EM UL924 PowPak (EcoSystem)	RMJS8T PowPak RF (0-10V) RMJSECO32 PowPak RF Single Zone (EcoSystem) RMJS8TEM EM UL924 PowPak RF (0-10V)
FULHAM CONTRTOL SYSTEM		ELIOP-SR Occupancy & Daylight Harvesting (Short Range) ELIOP-LR Occupancy & Daylight Harvesting (Long Range)	SR-W White Wireless Single Rocker Pad DR-W White Wireless Double Rocker Pad	

¹ Control must be specified for this feature

² Minimum Length of 2 Feet

³ Draw your custom shape and send us your idea to rfq@alconlighting.com

⁴ Must be Paired with 050 Driver

⁵ Must specify for RGBW & Wireless Tunable White 24V Driver

⁶ Not available for RGBW

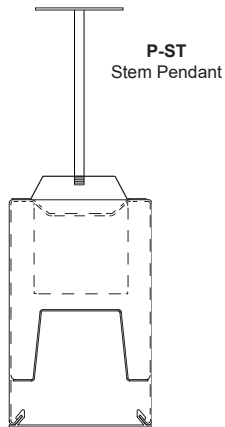
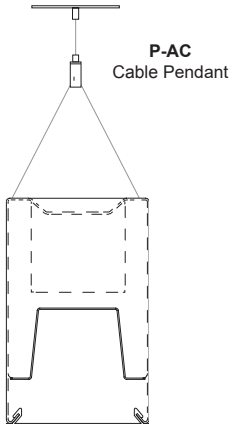
⁷ Control system must be specified for this feature

⁸ For RGBW, AB is only available though RGBW-MZ control or RGBW-APP

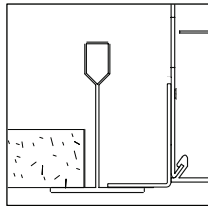
⁹ Not applicable to the TUNABLE WHITE feature



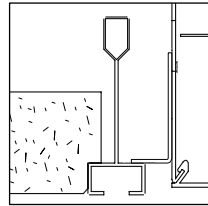
Mounting



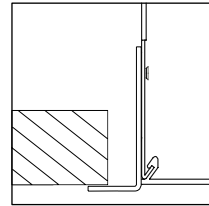
RT - T-Bar Grid Mount



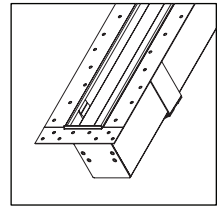
RS - Screw Slot Mount



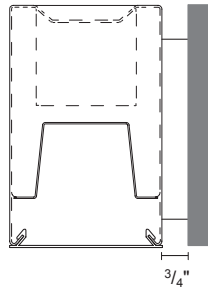
RF - Flange Detail



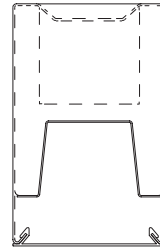
RTL - Trimless Detail



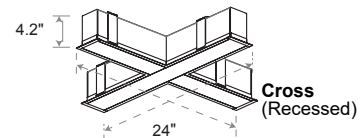
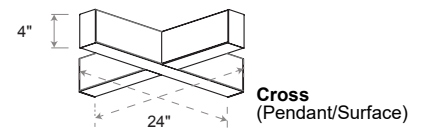
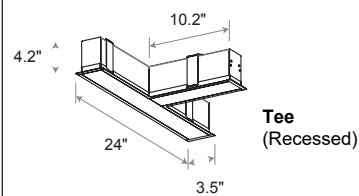
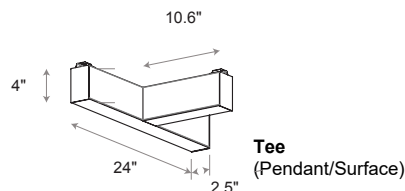
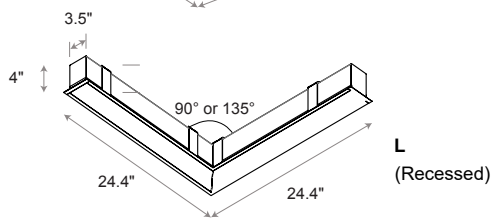
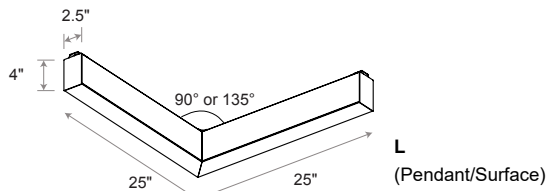
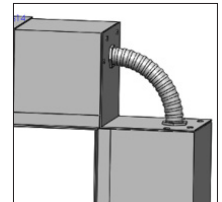
W - Wall



S - Surface



CW - Ceiling to Wall



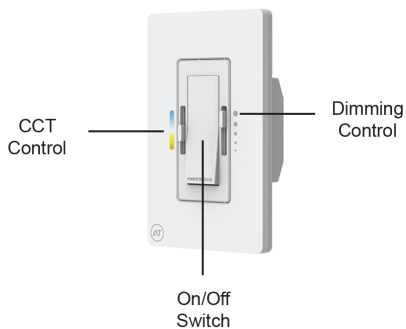
Compatible Dimmers

MFG	Triac	ELV	0-10V	0-10V Tunable White For use with TW2750 & TW2065 Must order two items: (1) For Dimming (2) For Color Tuning
	TG-600P LG-600P TGCL-153P DV-600P DVCL-153P S-603PG CT-103P S-600P	DVELV-303P SELV-300P MAELV-600 FAELV-500	NTSTV NFTV DVSTV	DVTV DVSTV
	6161 6633-P 6683 6631-2 IPI06-1LZ	IPE04 VPE06-1LZ	IP710-DLZ	

Wireless Tunable White Control

Weight	0.35 lbs
Dimming Type	PWM
Signal Type	RF (Radio Frequency) 434 MHz/868MHz
Range	100ft from fixture
Maximum Load	24V @ DC 480W
Working Temperature	-20°F to 140°F (-28C to 60°C)
Battery	3V (CR2032 Battery)

Dual Switch



* Wall Plate included

Wall

L - 4 3/8" x W - 3 1/4" x D - 1 3/4"

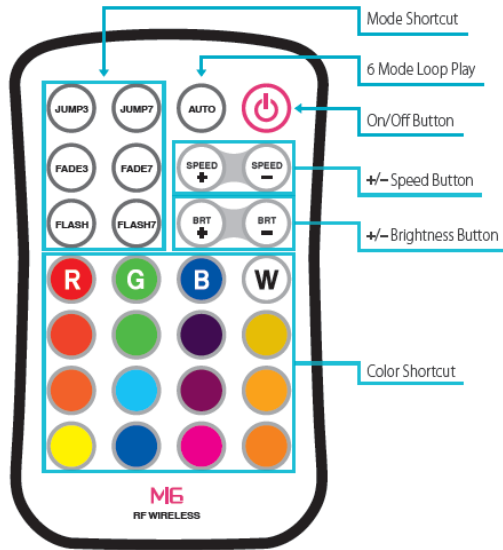


Desktop

L - 4 3/8" x W - 3 1/4" x D - 2 1/2"



RGBW-SZ | RF Remote Control Single Zone



Dimensions	H 5-3/4" x W 2-5/16" x D 3/8"
Supply Voltage	24V DC constant voltage
Signal Type	RF (Radio Frequency) 433.92MHz
Range	165ft from fixture
Maximum Load	24V @ DC 216W
Working Temp.	-4°F to 131°F (-20°C to 55°C)
Battery	3V (CR2032 battery)

Wall mount plate is included

RGBW-MZ | RF Remote Control Multi Zone



Dimensions	L 5.7" x W 2.1" x H 0.86"
Input Voltage	DC5V (Built-in Lithium battery)
Working Frequency	2.4 GHz
Max. Distance	98ft from fixture
Maximum Load	24V @ 360W
Change Mode	18 color modes
Scale Level	1024 x 1024 x 1024
Weight (G.W.)	0.44 lbs
Working Temp.	-22°F to 131°F (-30°C to 55°C)
Zone	up to 10

Wall mount plate is included

Preset Modes

1	3 Color jump	10	Green / Cyan fade
2	7 Color jump	11	Blue / Purple fade
3	White flash	12	Green / Yellow fade
4	7 Color flash	13	Blue / Cyan fade
5	RGB fade in / out	14	Red / Purple fade
6	Red / Green fade	15	Blue / White fade
7	Red / Blue fade	16	Yellow / Purple / Cyan fade
8	Green / Blue fade	17	RGB fade
9	Red / Yellow fade	18	Full-color fade

Controls

Smart Sensors	Protocol	Compatible Networks	Occupancy	Daylight	Temperature Reporting	Communication to Luminaire
	Lutron Clear Connect	Lutron Vive System Network	Enabled	Enabled	No	Wireless
	eliteBlue	EliteControl SmartBridge	Enabled	Enabled	No	Wireless

LUTRON

Controls Installed on the Fixture



VDO
Individual
Fixture Control

Shipped LUTRON VIVE Enabled with VDO Vive Integral Fixture Control (with Sensing).



FCJSE
Individual
Fixture Control

Shipped LUTRON VIVE Enabled FCJSE Control Module Control Module Installed on the Fixture.



RMJS8TEM
Individual
Fixture Control

Shipped LUTRON VIVE Enabled RMJS8TEM Control Module Control Module Installed on the Fixture.



VRF
Individual
Fixture Control

Shipped LUTRON VIVE Enabled with VRF Vive Integral Fixture Control (RF Only) Install on the Fixture.



FCJS0EM
Individual
Fixture Control

Shipped LUTRON VIVE Enabled FCJS0 Control Module Installed on the Fixture.



RMJS8T
Individual
Fixture Control

Shipped LUTRON VIVE Enabled RMJS8T Control Module Installed on the Fixture.



FCJS0
Individual
Fixture Control

Shipped LUTRON VIVE Enabled FCJS0 Control Module Installed on the Fixture.



FCJSEEM
Individual
Fixture Control

Shipped LUTRON VIVE Enabled FCJSEEM Control Module Control Module Installed on the Fixture.



RMJSECO32
Individual
Fixture Control

Shipped LUTRON VIVE Enabled RMJSECO32 Control Module Control Module Installed on the Fixture.



Controls Installed on the Fixture

ELIOP-SR

Short Range, Bluetooth compatible occupancy and Daylight Harvesting Sensor.



ELIOP-LR

Long range, Bluetooth compatible occupancy and Daylight Harvesting Sensor.



Controls Provided by Fulham



SR-W - Bluetooth Single
Rocker Pad



SR-D - Bluetooth Double
Rocker Pad

Photometrics (for Dynamic Color Temperatures)

12500-40-D4-S-4
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	551 FC	3.9 FT 3.1 FT
3.3FT	146 FC	7.6 FT 6.1 FT
5.0FT	63.7 FC	11.6 FT 9.2 FT
6.7FT	35.5 FC	15.5 FT 12.3 FT
8.3FT	23.1 FC	19.2 FT 15.2 FT
10.0FT	15.9 FC	23.2 FT 18.4 FT

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

12500-40-D4-S-8
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	1,102 FC	3.9 FT 3.1 FT
3.3FT	292 FC	7.6 FT 6.1 FT
5.0FT	127 FC	11.6 FT 9.2 FT
6.7FT	70.9 FC	15.5 FT 12.3 FT
8.3FT	46.2 FC	19.2 FT 15.2 FT
10.0FT	31.8 FC	23.2 FT 18.4 FT

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

12500-40-D13-S-4
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	985 FC	3.9 FT 3.1 FT
3.3FT	261 FC	7.6 FT 6.1 FT
5.0FT	114 FC	11.6 FT 9.2 FT
6.7FT	63.4 FC	15.5 FT 12.3 FT
8.3FT	41.3 FC	19.2 FT 15.2 FT
10.0FT	28.5 FC	23.2 FT 18.4 FT

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

12500-40-D13-S-8
Illuminance at a Distance

	Center Beam FC	Beam Width
1.7FT	1,970 FC	3.9 FT 3.1 FT
3.3FT	523 FC	7.6 FT 6.1 FT
5.0FT	228 FC	11.6 FT 9.2 FT
6.7FT	127 FC	15.5 FT 12.3 FT
8.3FT	82.7 FC	19.2 FT 15.2 FT
10.0FT	56.9 FC	23.2 FT 18.4 FT

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

COLOR TEMPERATURE GUIDE

