INTENDED USE

The 4-Inch Linear Perimeter Wall Wash LED Recessed Light provides uniform vertical illumination, ideal for hospitality, residential, retail, office, and other commercial interiors. It's available in a variety of color temperatures, CRI ratings, dimming options, and voltages—including RGBW and Bluetooth Mesh app control—for adaptable lighting design. Offered in standard lengths from 2 to 8 feet, the fixture can be connected in continuous runs to ensure seamless performance and straightforward maintenance.

PRODUCT FAMILY

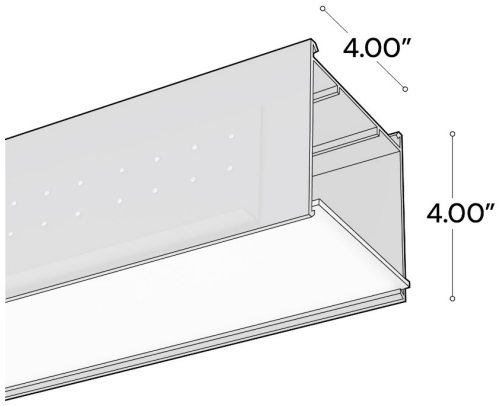
12100-40-P	Pendant Mount
12100-40-W	Wall Mount
12100-40-S	Surface Mount
12100-40-R	Recessed Mount
12100-40-PR	Perimeter Recessed

AVAILABLE LENGTHS

2', 3', 4', 5', 6' & 8'
Continuous Run & Custom Length | Consult Factory

FEATURES

Construction: Die-formed and welded 22-gauge cold rolled steel, painted finish with premium paint
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 snap-in flat or 1/2" snap-in 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: Bluetooth App for iOS (See Page 6)
Life: +60,000 Reported L70 Hours @ 55°C
Operating Temperature: 4°F (-20°C) ~ 122°F (50°C)
Warranty: 5 years (Static Colors) and 3 years (RGBW & Tunable White) Carefree for parts & components (Labor not included)
Listings: cULus Listed, UL listed for damp location, DLC Listed, ADA compliant (Less than 4" off wall), Assembled in USA (ARRA) standard, Made in USA (BAA) optional



Length :
2', 3', 4', 5', 6', 8' & Continuous Run

ORDERING INFORMATION Example: 12100-40-PR-T9-TF-2-D4-S2-27K-TRI-WH-9-XEM8-BAA-W7-TW-WWR-WH

MODEL		12100-40-PR 4" x 4"		
MOUNTING[1]		T9 9/16 T-Bar Grid[2] T15 15/16 T-Bar Grid[2]	S 9/16 Screwslot Grid[2] H Hard ceiling, 1/2" Flange[3]	W Wood Ceiling[3]
FLANGE TYPE		TF Trim Flange[4]	TFS Single Side Trim Flange[5]	TL Trimless[3]
REGRESSED TYPE		F Flat	2 2-Inch regressed[6]	4 4-Inch regressed[6]
LUMEN OUTPUT *Wattage & Lumens per foot*		**STATIC WHITE** D4 4.5 Watts | 734 lm D6 6.75 Watts | 924 lm D9 9 Watts | 991 lm D13 13.5 Watts | 1467 lm	**TUNABLE WHITE** TW-D4 4.5 Watts | 734 lm[15] TW-D6 6.75 Watts | 924 lm[15] TW-D9 9 Watts | 991 lm[15] TW-D12 12 Watts | 1597 lm[15] TW-D13 13.5 Watts | 1796 lm[15] TW-DLO[1] 480 lm[16] TW-DHO[1] 768 lm[16]	**RGBW** RGBW-D9 19.3 Watts | 563 lm RGBW-D18 18.6 Watts | 1126 lm
SHAPE	(Specify in Feet)	Sxx Single Run xx = 2', 3', 4', 5', 6' or 8'[17] CRxx Continuous Run xx= Length	RCxxyy Rectangle[7] xx = Width & Length SQxxx Square[7] xx = Width & Length	Uxxyy U[7] xx = Base Leg & Side Leg CU Custom[18]
COLOR TEMPERATURE		**STATIC WHITE** 27K 2700K Warm White[13] 30K 3000K Soft White 35K 3500K Neutral White 40K 4000K Cool White 50K 5000K Daylight	**TUNABLE WHITE** TW2750 2700-5000K (Wired)[11] TW2065 2000-6500K (Wired)[11] TW3065 3000-6500K (Wireless)[8, 10]	**RGBW**[12] RGBW30 RGB + W (3000K) RGBW40 RGB + W (4000K)
DRIVER		**STATIC WHITE** Blank 0 -10V (Dim to 1%) Standard TRI Triac (120V) ELV Electronic Low Voltage (120V)	**TUNABLE WHITE** 050 Tunable White 0-10V	**RGBW**[12] 24V 24V DC Power Supply[14] DMX 4-Channel DMX512 Decoder
FINISH		WH White (Matte) Standard SL Silver (Matte)	BK Black (Matte) RAL# Specify RAL # (Pg. 3)	
CRI		Blank 80+ Standard	9 90+[11]	
OPTIONS		XEM8 8W External Emergency Battery EM15 15W Emergency Battery EM20 20W Emergency Battery EM25 25W Emergency Battery	OS Occupancy & Daylight Harvesting Sensor DS Daylight Dimming Photo Sensor GTD Bodine Generator Transfer Device COC Chicago Code Compliance Separated EM Feed	RGBW-RH-WH Remote holder for RGBW-RF-WH (White) RGBW-RH-BK Remote holder for RGBW-RF-BK (Black)
QUALIFICATIONS		Blank Assembled in USA (ARRA) Standard	BAA Made in USA (Buy American Act)	
WARRANTY		Blank 5 Year Warranty Standard	W7 7 Year Warranty	W10 10 Year Warranty
CONTROLS		**STATIC WHITE** Blank Not Required	**TUNABLE WHITE**[8] TW-WWR-WH Wireless Wall Remote (White) TW-2N1-WH Dual Wall Switch	**RGBW**[12] RGBW-APP iOS/Android Bluetooth App RGBW-RF-WH RF Remote Control 4 Zone (White) RGBW-RF-BK RF Remote Control 4 Zone (Black) RGBW-DMX DMX Wall 100-240VAC (White) RGBW-DMX5V DMX Wall 5VDC (White)

1 Compatible with various wall types. The installer must use appropriate screws suitable for each specific wall type. A mounting accessory is included for both trimless and flange mount types, allowing for adjustable spacing between the fixture and the wall, ranging from 0.5 inches (minimum) to 0.88 inches (maximum)

2 For grid installations, an 18-gauge ceiling wire or tile hanger wire is required but not included. Please refer to the installation instructions for additional details. Suitable for T-bar and Screw slot grids.

3 For Hard and Wood ceiling, a 3/8" threaded rod is required for fixture installation and is not included. Please refer to the installation instructions for further details.

4 Ideal for installations where the grid structure is mounted to the wall, allowing the trim to rest on the grid structure on both sides.

5 Ideal for installations where no grid structure is attached to the wall, allowing the fixture's trim to rest on only one side

6 A sliding side piece allows for adjusting the light's visibility at the ceiling level. The fixture can also be recessed deeper into the ceiling plane for a more subtle lighting effect

7 Minimum Length of 2 Feet

8 Wireless control must be specified (page 7)

9 Must be Paired with 050 Driver

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

11 Not available for RGBW

12 Bluetooth app control or wireless control must be specified for this feature (cannot be combined)

13 Only available in 90CRI

14 24V Driver must be specified for RGBW & Wireless Tunable White

15 Only for Wired Tunable White Control

16 Only for Wireless Tunable White Control

17 Max lumen for 6' & 8' lengths is 1467 lm

18 Draw your custom shape and send us your idea to rfq@alconlighting.com. Custom shapes require additional lead time.

AVAIABLE FINISHES

Standard

Matte White	RAL #9003

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

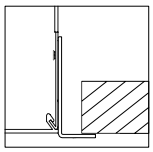
Vibrant

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

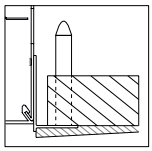
MOUNTING OPTIONS

Hard ceiling

⚠ Luminaire must be installed prior to drywall. A 3/8" threaded rod to suspend the fixture is required and is not included.



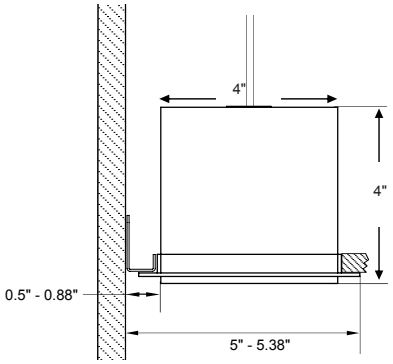
Drywall
Trim Flange



Drywall
Trimless

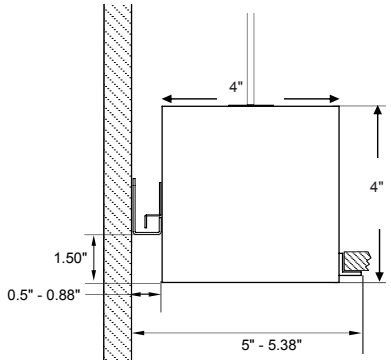
Trim Flange
1/2" trim flanged drywall ceiling & wall

TF



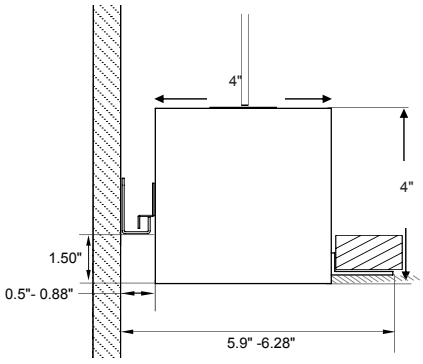
Flanged on one side
1/2" trim flanged drywall ceiling & trimless wall

TFS



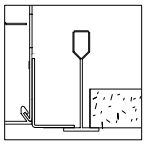
Trimless
Trimless drywall ceiling & wall

TL



Lay-in Grid

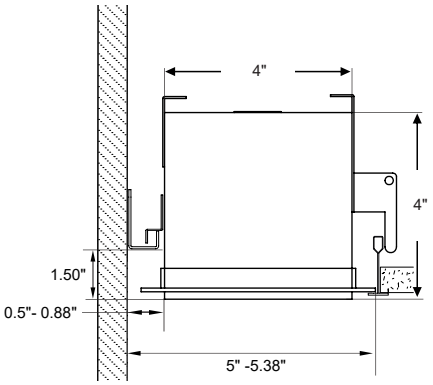
⚠ An 18-gauge ceiling wire or tile hanger wire is required to suspend the fixture and not included. Suitable for T-bar and Screw slot grids.



Grid
15/16" or 9/16" Flat Tee main runner required for finish edge.

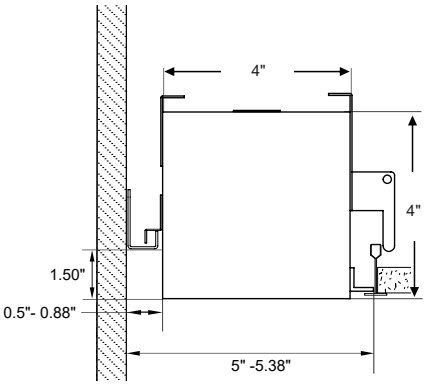
Trim Flange
Flushed Lens Fixed mounting type (1/2" flange on both sides)

TF



Flanged on one side
Flushed Lens trimless on the wall and 1/2" flange on the other side

TFS

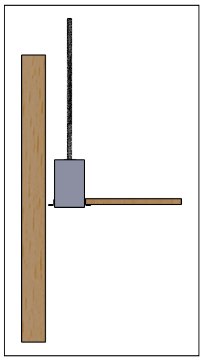


MOUNTING OPTIONS VARIATIONS

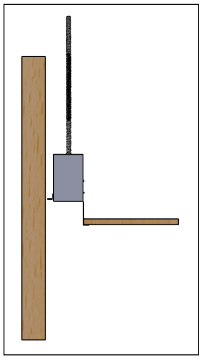
Hard ceiling

⚠ Luminaire must be installed prior to drywall. A 3/8" threaded rod to suspend the fixture is required and is not included.

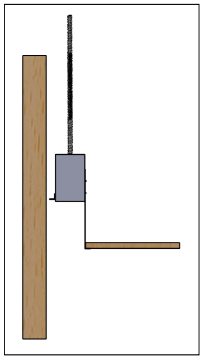
Without the J-rail wall accessory



Trim Flange
1/2" trim flanged drywall ceiling & wall
12100-20-PR-H-TF-F

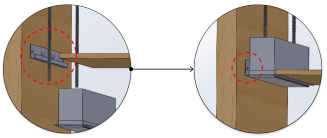


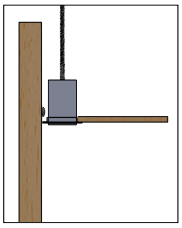
Trim Flange
2-Inch regressed
12100-20-PR-H-TF-2



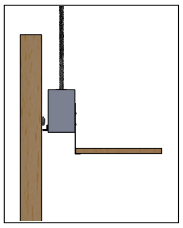
Trim Flange
4-Inch regressed
12100-20-PR-H-TF-4

Installed with the J-rail wall accessory (included)

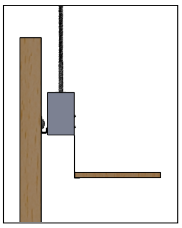




Trim Flange
1/2" trim flanged drywall ceiling & wall
12100-20-PR-H-TF-F

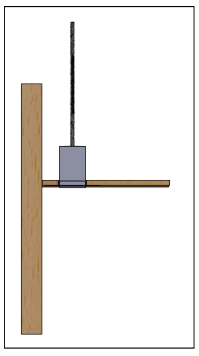


Trim Flange
2-Inch regressed
12100-20-PR-H-TF-2

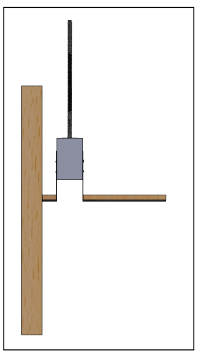


Trim Flange
4-Inch regressed
12100-20-PR-H-TF-4

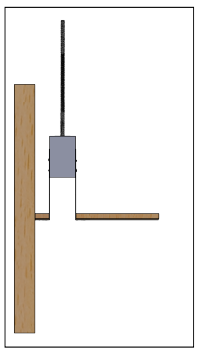
With hard ceiling section between the wall and fixture



Trimless
Flat regressed type
12100-20-PR-H-TL-F

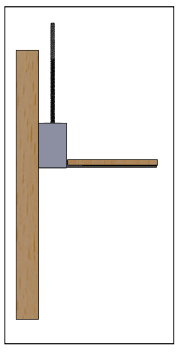


Trimless
2-Inch regressed
12100-20-PR-H-TL-2

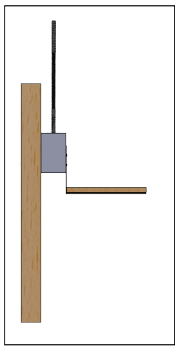


Trimless
4-Inch regressed
12100-20-PR-H-TL-4

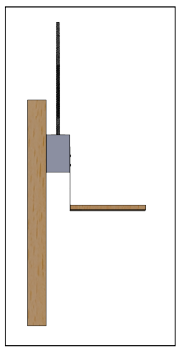
Fixture installed flush to the wall



Trimless
Flat regressed type
12100-20-PR-H-TL-F



Trimless
2-Inch regressed
12100-20-PR-H-TL-2



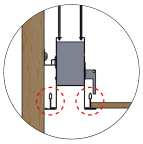
Trimless
4-Inch regressed
12100-20-PR-H-TL-4

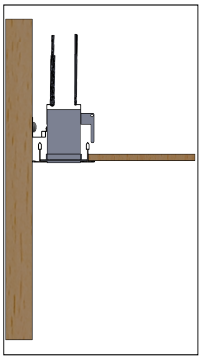
MOUNTING OPTIONS VARIATIONS

Lay-in Grid

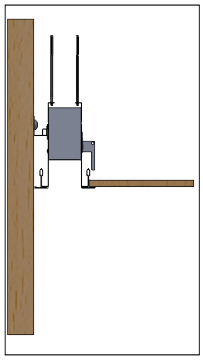
⚠ An 18-gauge ceiling wire or tile hanger wire is required to suspend the fixture and not included. Suitable for T-bar and Screw slot grids. installed with J-rail & Z-rail (pre-installed)

9/16”, 15/16”, 1” T-bar Grid on both sides

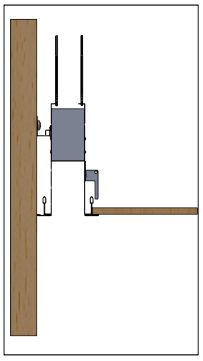




Trim Flange
1/2" trim flanged
12100-20-PR-T9/T15-TF-F

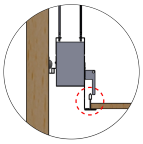


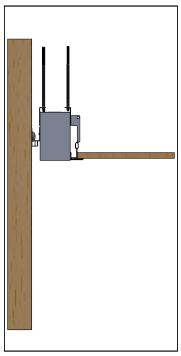
Trim Flange
2-Inch regressed
12100-20-PR-T9/T15-TF-2



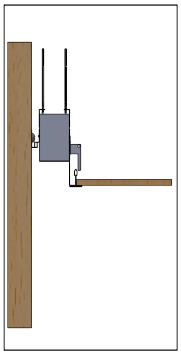
Trim Flange
4-Inch regressed
12100-20-PR-T9/T15-TF-4

9/16”, 15/16”, 1” T-bar Grid on one side

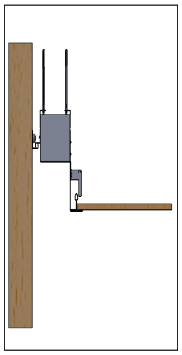




Single Side Trim Flange
1/2" trim flanged
12100-20-PR-T9/T15-TFS-F

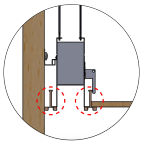


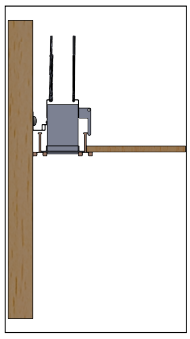
Single Side Trim Flange
2-Inch regressed
12100-20-PR-T9/T15-TFS-2



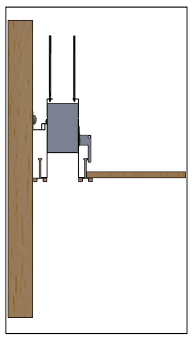
Single Side Trim Flange
4-Inch regressed
12100-20-PR-T9/T15-TFS-4

9/16” Screw Slot, 9/16” T-bar with Tegular tile ceiling. Grid on both sides

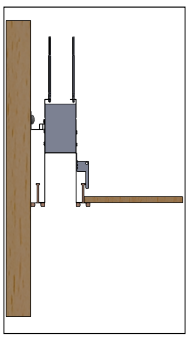




Trim Flange
1/2" trim flanged
12100-20-PR-S-TF-F

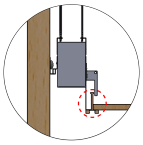


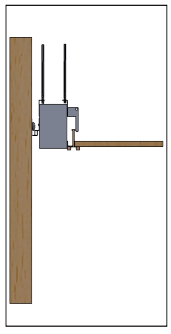
Trim Flange
2-Inch regressed
12100-20-PR-S-TF-2



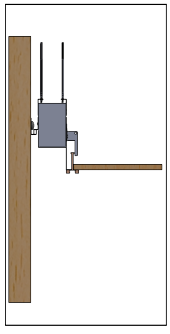
Trim Flange
4-Inch regressed
12100-20-PR-S-TF-4

9/16” Screw Slot, 9/16” T-bar with Tegular tile ceiling. Grid on one side

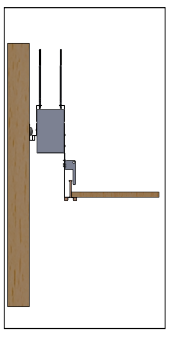




Single Side Trim Flange
1/2" trim flanged
12100-20-PR-S-TFS-F



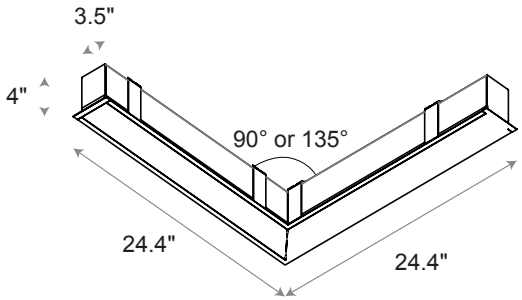
Single Side Trim Flange
2-Inch regressed
12100-20-PR-S-TFS-2



Single Side Trim Flange
4-Inch regressed
12100-20-PR-S-TFS-4

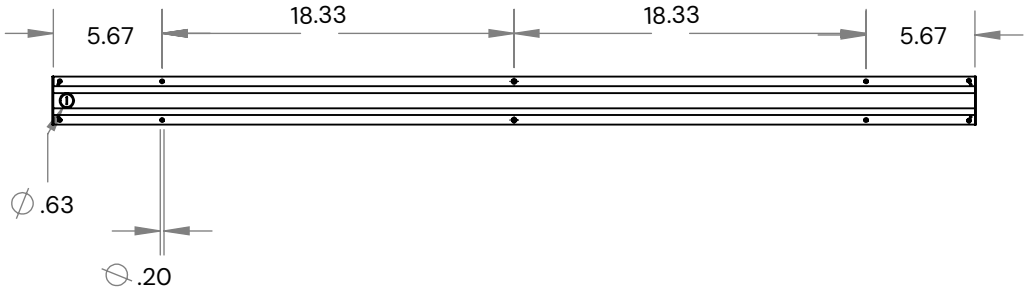
SHAPES

L Shape

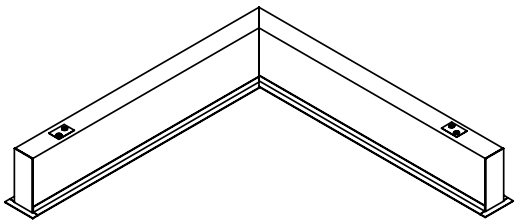


KNOCKOUT LOCATIONS

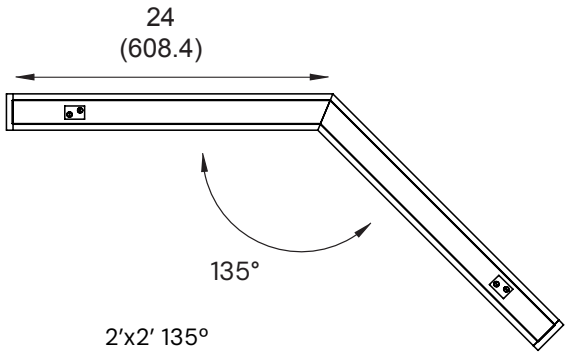
4-Foot Body



HORIZONTAL LIT CONNECTORS

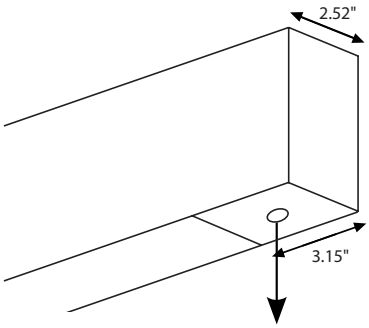


1'x1' 90°
1'x2' 90°
2'x1' 90°
2'x2' 90°



2'x2' 135°

OCCUPANCY & DAYLIGHT HARVESTING SENSOR

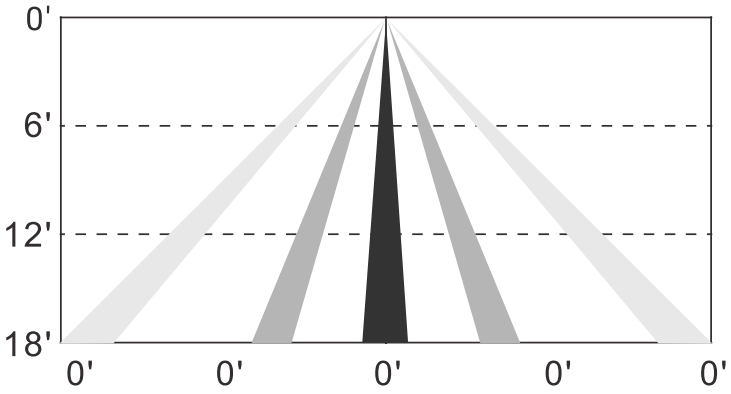


Sensor Plate

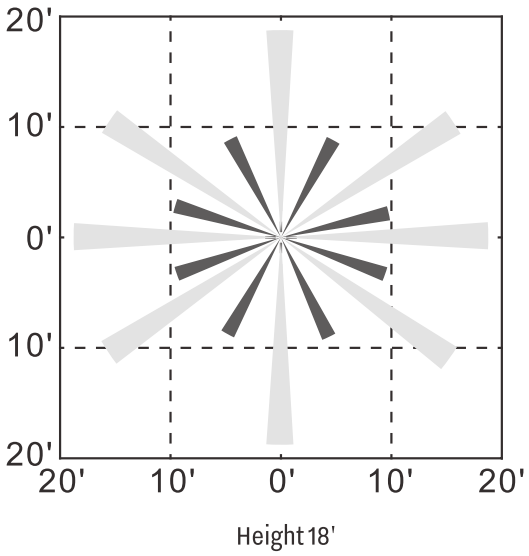
Lutron Vive Integral
fixture control installation

EasySense
fixture-mount installation

SIDE VIEW



TOP VIEW



OS, IFS105SE coverage pattern

COMPATIBLE DIMMERS

	Static White			TUNABLE WHITE
	Triac	**ELV**	**0-10V**	**0-10V**
LUTRON	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 For use with TW2750 & TW2065 Must order two items: (1) For Dimming (2) For Color Tuning
LEVITON	6161 6633-P 6683 6631-2 IPI06-1LZ	IPE04 VPE06-1LZ	IP710-DLZ	

WIRELESS TUNABLE WHITE CONTROL

-3065K (CONTROLS)

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.

RGBW CONTROLS

RGBW-APP | Bluetooth Smart Phone App

Smart Life

Tuya Smart

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

Wireless RF Remote Control 4-Zone

RGBW-RF-WH

RGBW-RF-BK

RGBW-RF

Dimensions	W 2" x D 0.825" x H 4.725"
Weight	0.1lbs
Signal Type	RF (Radio Frequency) 2.4GHz
Range	98ft from fixture open ai
Zone / Mode	4 zones / 9 modes
Working Temp.	-4°F to 131°F (-20°C to 55°C)
* Battery	2 x AAA battery

* Not includ

RGBW-RH-WH

RGBW-RH-BK

DMX Wall Touch Panel

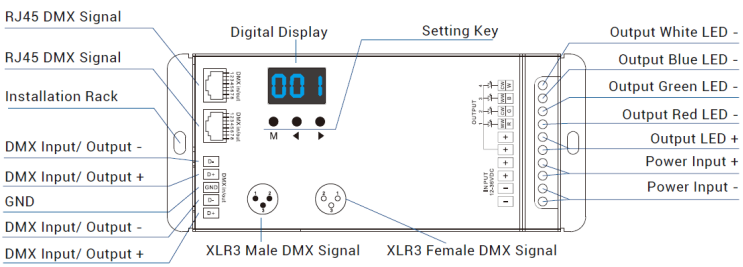
RGBW-DMX

Zone	4 zone
Signal	DMX512 protocol
Input Voltage	100-240VAC
Dimensions	L 3.4" x H 3.4" x D 1.45"
Features	10 built-in mode, scene
Operating Temp.	-22°F ~ 131°F (-30°C ~ 55°C)

RGBW-DMX5V

Zone	4 zone
Signal	DMX512 protocol
Input Voltage	5VDC
Dimensions	L 7" x H 1.3" x D 1.9"
Features	12 built-in mode, scene
Operating Temp.	-22°F ~ 131°F (-30°C ~ 55°C)

RGBW-DMX | 4-Channel DMX512 Decoder



Dimensions	L 6.5" x W 2.7" x D 1.5"
Output Current	8A / 4 channels
Input Voltage	12-36V DC
Output Power	768W (24V)
Frequency	PWM output

LUTRON VIVE CONTROL (OPTIONAL)

Smart Sensors	Protocol	Compatible Networks	Occupancy	Daylight	Temperature Reporting	Communication to Luminaire
VIVE	Lutron Clear Connect	Lutron Vive System Network	Enabled	Enabled	No	Wireless
EliteControl FULHAM	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).

VRF
Individual Fixture Control

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

FCJS0
Individual Fixture Control

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

FCJSE
Individual Fixture Control

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

FCJS0EM
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.

RMJS8TEM
Individual Fixture Control

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

RMJS8T
Individual Fixture Control

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

RMJSECO32
Individual Fixture Control

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

EliteControl FULHAM

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.

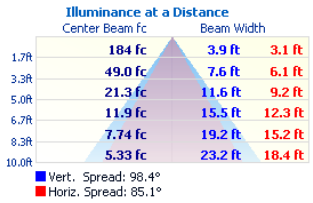
Controls Provided by Fulham

SR-W - Bluetooth Single Rocker Pad

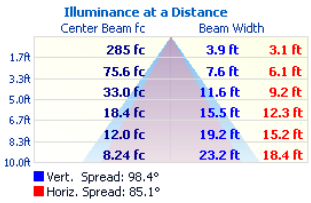
SR-D - Bluetooth Double Rocker Pad

POHOTOMETRY (FOR STATIC COLOR TEMPERATURES ONLY)

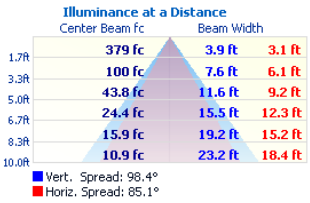
12100-40-PR-2-D4



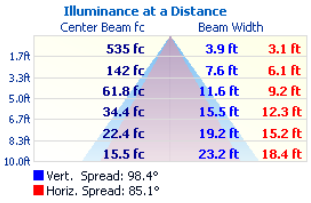
12100-40-PR-2-D6



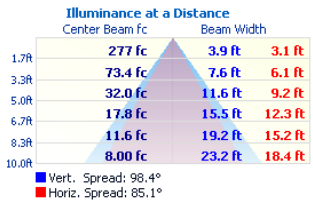
12100-40-PR-2-D9



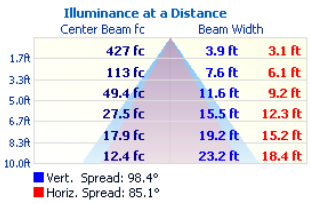
12100-40-PR-2-D13



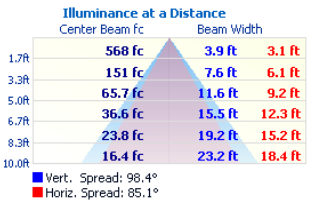
12100-40-PR-3-D4



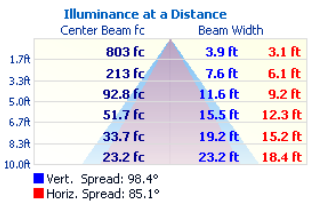
12100-40-PR-3-D6



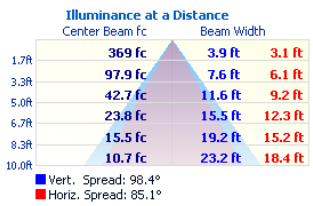
12100-40-PR-3-D9



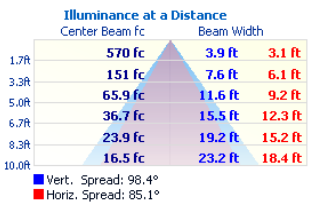
12100-40-PR-3-D13



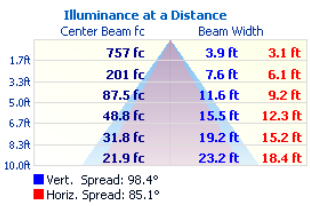
12100-40-PR-4-D4



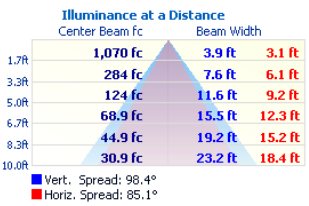
12100-40-PR-4-D6



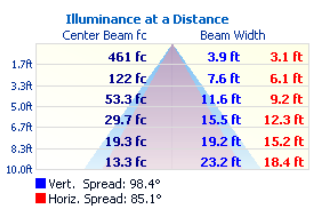
12100-40-PR-4-D9



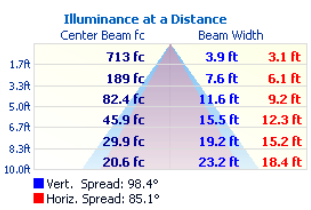
12100-40-PR-4-D13



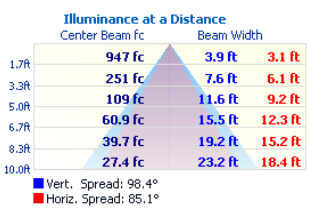
12100-40-PR-5-D4



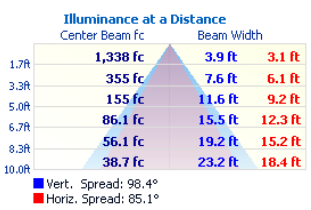
12100-40-PR-5-D6



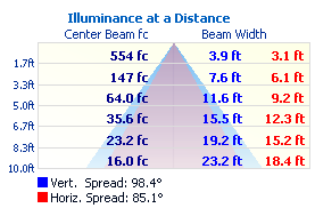
12100-40-PR-5-D9



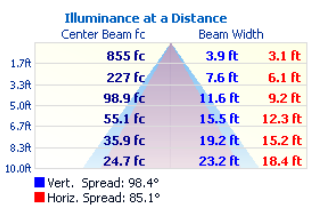
12100-40-PR-5-D13



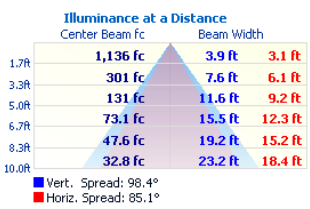
12100-40-PR-6-D4



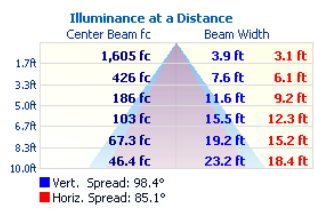
12100-40-PR-6-D6



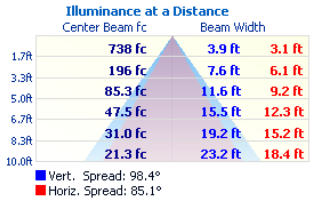
12100-40-PR-6-D9



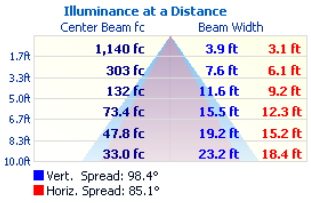
12100-40-PR-6-D13



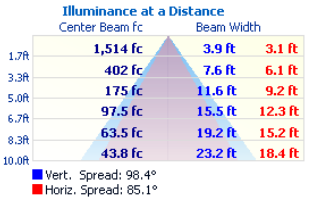
12100-40-PR-8-D4



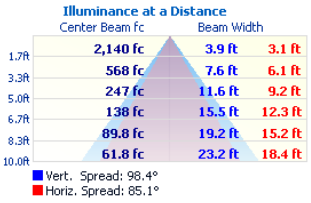
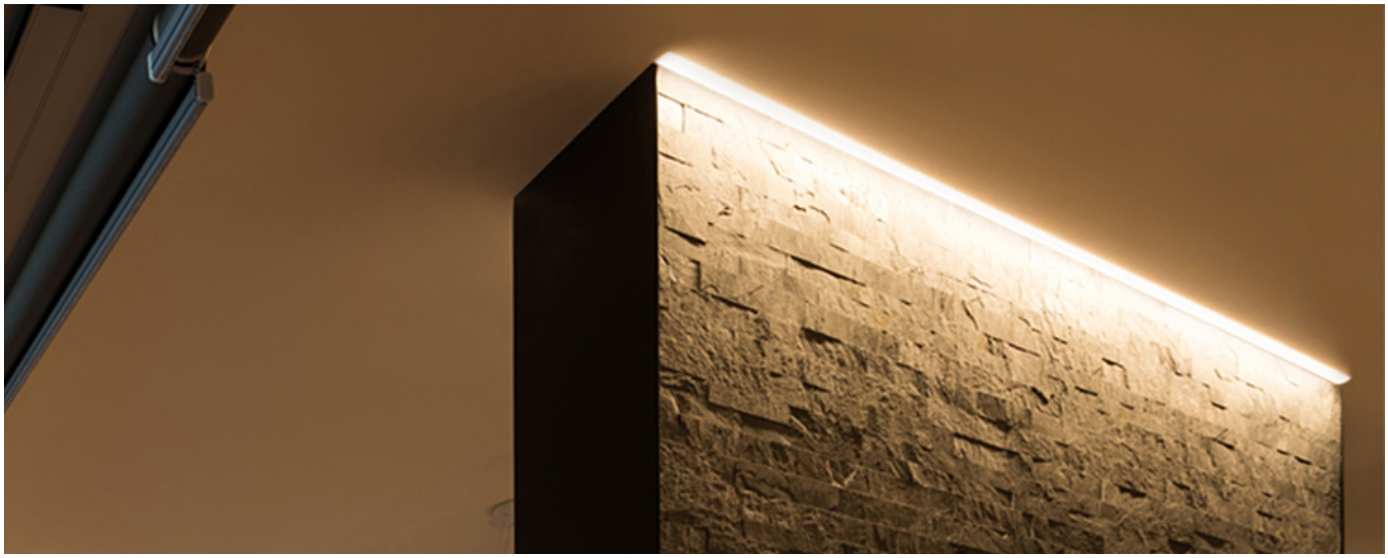
12100-40-PR-8-D6



12100-40-PR-8-D9



12100-40-PR-8-D13



COLOR TEMPERATURE GUIDE