

Project Name: _____ Type: _____ Quantity: _____

INTENDED USE

The 2.5-Inch Linear Perimeter Wall Wash LED Recessed Light is designed to deliver clean, even vertical illumination across architectural surfaces in hospitality, residential, retail, office, and commercial environments. With a range of color temperatures, dimming capabilities, CRI, and voltage options—including RGBW and Bluetooth Mesh app control—it offers flexibility for tailored lighting schemes. Standard lengths from 2 to 8 feet can be joined for seamless runs, providing consistent performance and simple maintenance.

PRODUCT FAMILY

| | | |
|--------------------|--------------------|--------------------------|
| 12100-14-P | Pendant Mount | 2', 3', 4', 5', 6' & 8' |
| 12100-14-W | Wall Mount | Continuous Run & Custom |
| 12100-14-S | Surface Mount | Length Consult Factory |
| 12100-14-PR | Perimeter Recessed | |

AVAILABLE LENGTHS

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)

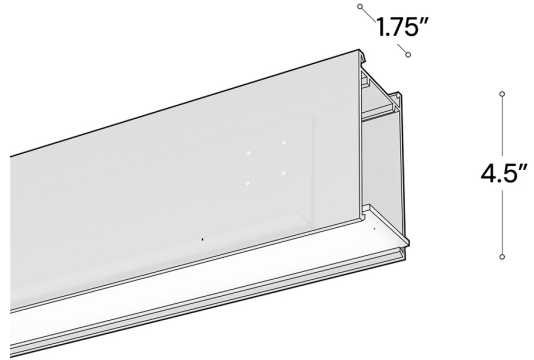
RGBW Smart Phone App: Bluetooth App for iOS and Android (See Page 6)

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

Alcon Lighting 12100-14-PR 2-Inch Linear Perimeter Wall Wash LED Recessed Light



ORDERING INFORMATION Example:

| | | | |
|---|--|---|---|
| MODEL | 12100-14-PR 1.75" x 4.5" | | |
| 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 <i>Wattage & Lumen per 4-feet</i> | STATIC WHITE D9 9 Watts 272 lm D18 18 Watts 544 lm D27 27 Watts 816 lm D36 36 Watts 1089 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 480 lm ¹⁶ TW-DHO 768 lm ¹⁶ | RGBW RGBW-D9 19.3 Watts 563 lm RGBW-D18 18.6 Watts 1126 lm |
| SHAPE | (Specify in Feet) S Single Run \mathcal{L} = 2', 3', 4', 5', 6' or 8' ¹⁷ CR Continuous Run \mathcal{L} = Length | RC Rectangle ⁷ \mathcal{W} = Width & Length SQ Square ⁷ \mathcal{L} = Width & Length | U U ⁷ \mathcal{L} = Base Leg & Side Leg CU Custom ¹⁷ |
| 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 O50 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 DS Sensor 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-WWR-BK Wireless Wall Remote (Black) TW-DWR-BK Wireless Black Desktop Remote | 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 O50 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 Draw your custom shape and send us your idea to rfq@alconlighting.com. Custom shapes require additional lead time.

AVAILABLE 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

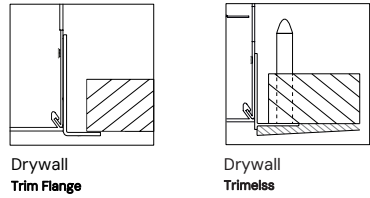
| | | |
|--|----------------|-----------|
|  | Violet Dreams | RAL #4006 |
|  | Purple Red | RAL #3004 |
|  | Carmine Red | RAL #3002 |
|  | Rose | RAL #3017 |
|  | Pure Orange | RAL #2004 |
|  | Traffic Yellow | RAL #1023 |
|  | Daisy | RAL #1018 |
|  | Antique Spring | RAL #6019 |
|  | Island Skye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



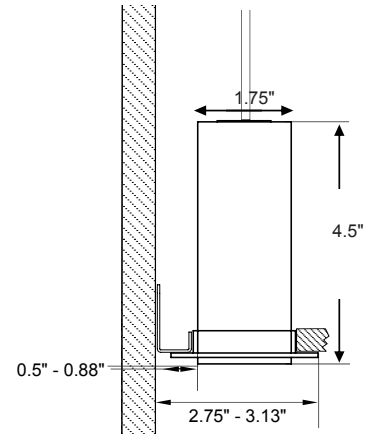
MOUNTING OPTIONS

Hard ceiling

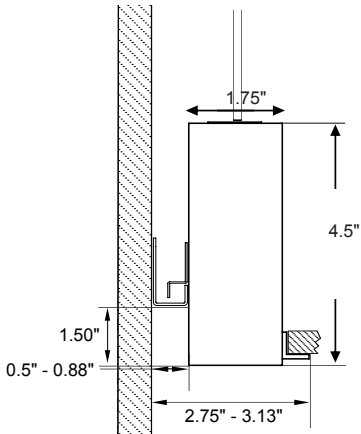
⚠ Luminaire must be installed prior to drywall. A 3/8" threaded rod to suspend the fixture is required and is not included.



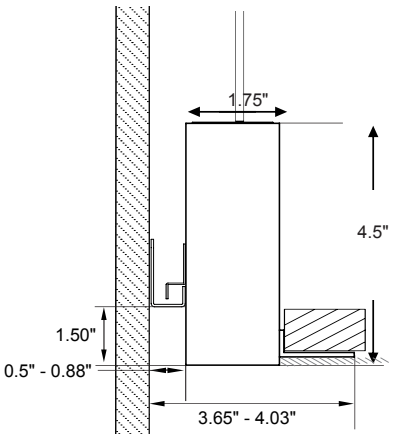
Trim Flange
1/2" trim flanged drywall ceiling & wall
TF



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

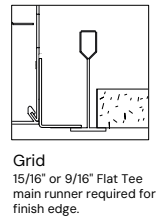


Trimless
Trimless drywall ceiling & wall
TL

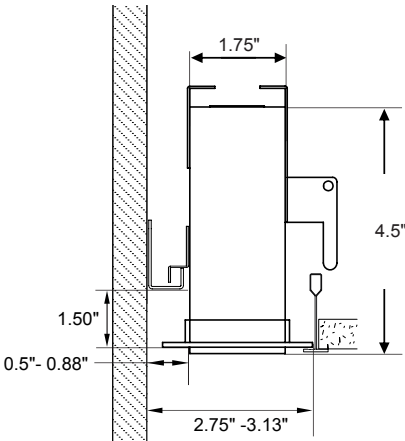


Lay-in Grid

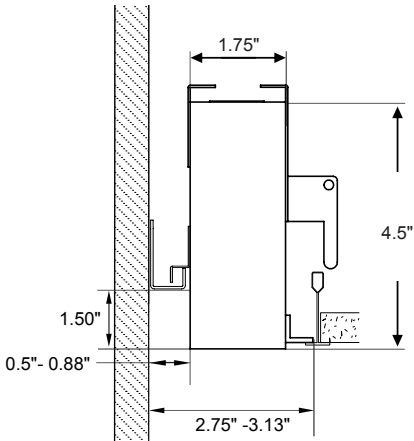
⚠ An 18-gauge ceiling wire or tile hanger wire is required to suspend the fixture and not included. Suitable for T-bar and Screw slot grids.



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

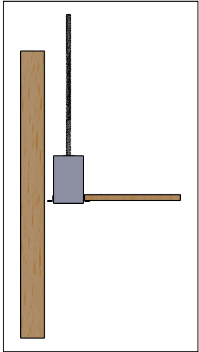


MOUNTING OPTIONS VARIATIONS

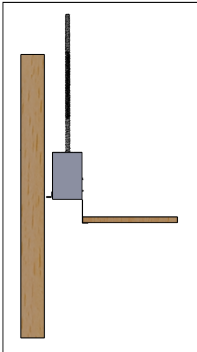
Hard ceiling

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

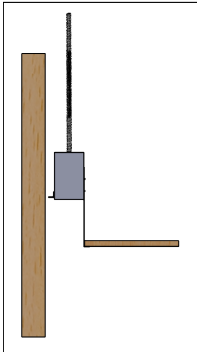
Without the J-rail wall accessory



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

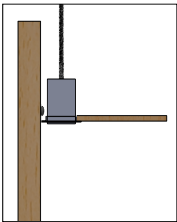
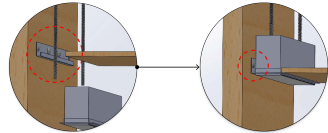


Trim Flange
2-Inch regressed
12100-20-PR-H-TF-2

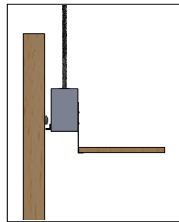


Trim Flange
4-Inch regressed
12100-20-PR-H-TF-4

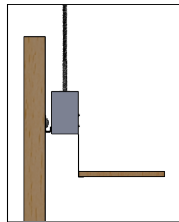
Installed with the J-rail wall accessory (included)



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

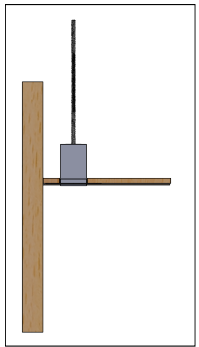


Trim Flange
2-Inch regressed
12100-20-PR-H-TF-2

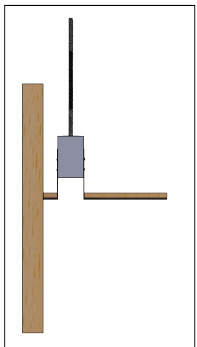


Trim Flange
4-Inch regressed
12100-20-PR-H-TF-4

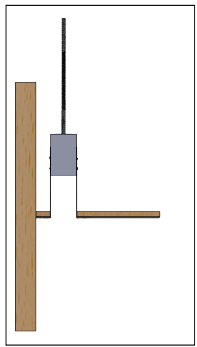
With hard ceiling section between the wall and fixture



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

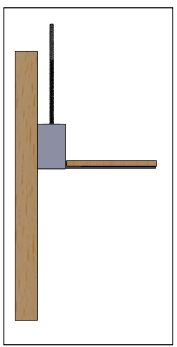


Trimless
2-Inch regressed
12100-20-PR-H-TL-2

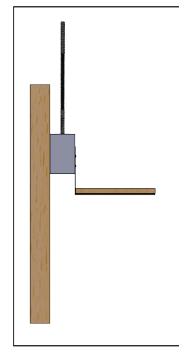


Trimless
4-Inch regressed
12100-20-PR-H-TL-4

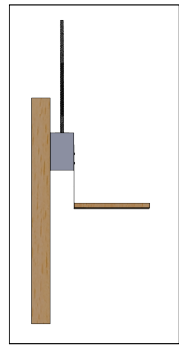
Fixture installed flush to the wall



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



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



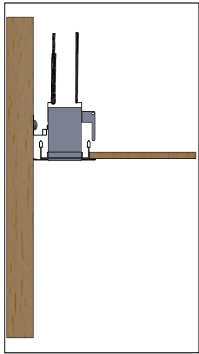
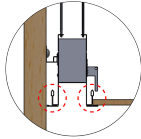
Trimless
4-Inch regressed
12100-20-PR-H-TL-4

MOUNTING OPTIONS VARIATIONS

Lay-in Grid

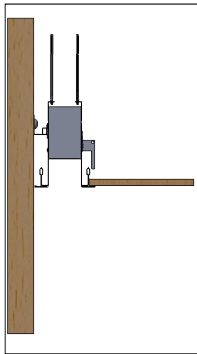
⚠ An 18-gauge ceiling wire or tile hanger wire is required to suspend the fixture and not included. Suitable for T-bar and Screw slot grids. installed with J-rail & Z-rail (pre-installed)

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



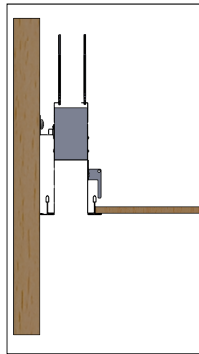
Trim Flange
1/2" trim flanged

12100-20-PR-T9/TI5-TF-F



Trim Flange
2-Inch regressed

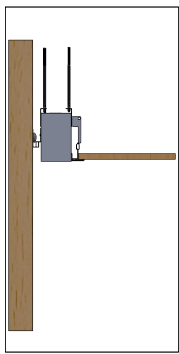
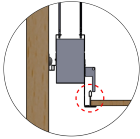
12100-20-PR-T9/TI5-TF-2



Trim Flange
4-Inch regressed

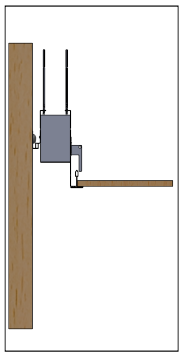
12100-20-PR-T9/TI5-TF-4

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



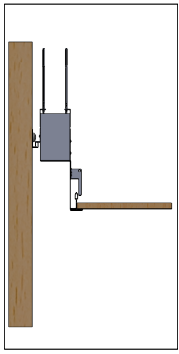
Single Side Trim Flange
1/2" trim flanged

12100-20-PR-T9/TI5-TFS-F



Single Side Trim Flange
2-Inch regressed

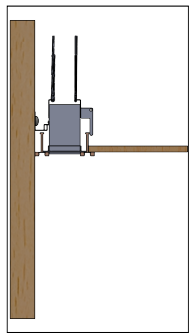
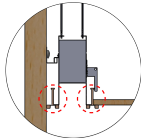
12100-20-PR-T9/TI5-TFS-2



Single Side Trim Flange
4-Inch regressed

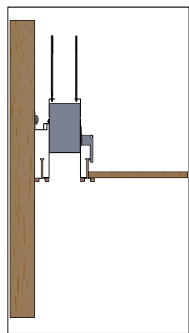
12100-20-PR-T9/TI5-TFS-4

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



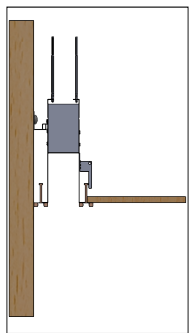
Trim Flange
1/2" trim flanged

12100-20-PR-S-TF-F



Trim Flange
2-Inch regressed

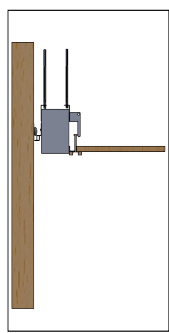
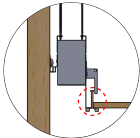
12100-20-PR-S-TF-2



Trim Flange
4-Inch regressed

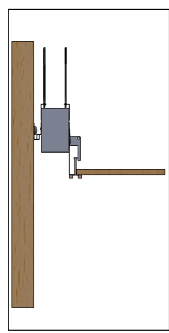
12100-20-PR-S-TF-4

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



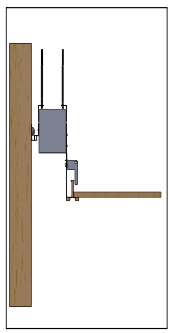
Single Side Trim Flange
1/2" trim flanged

12100-20-PR-S-TFS-F



Single Side Trim Flange
2-Inch regressed

12100-20-PR-S-TFS-2

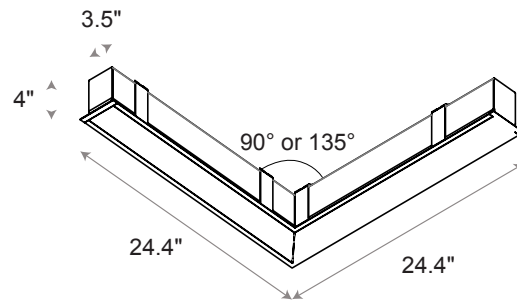


Single Side Trim Flange
4-Inch regressed

12100-20-PR-S-TFS-4

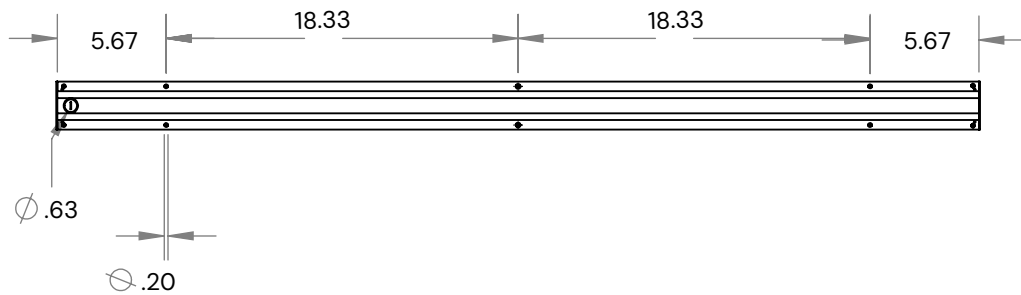
SHAPES

L Shape

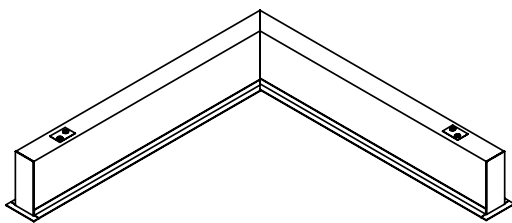


KNOCKOUT LOCATIONS

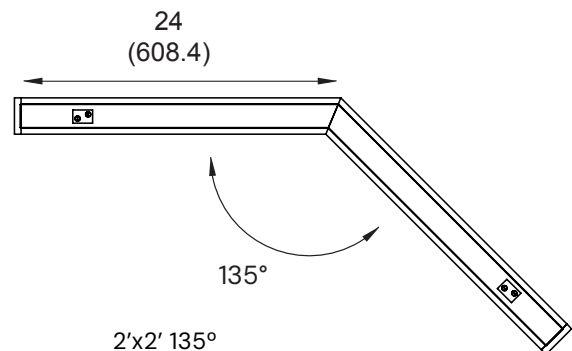
4-Foot Body



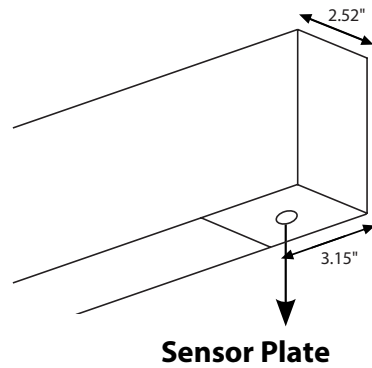
HORIZONTAL LIT CONNECTORS



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



OCCUPANCY & DAYLIGHT HARVESTING SENSOR

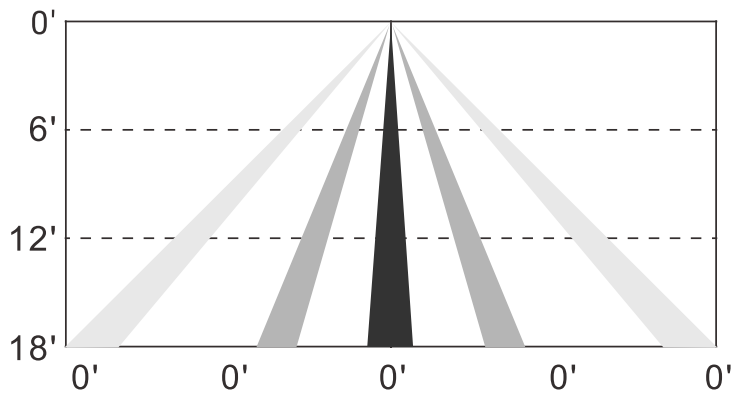


Lutron Vive Integral
fixture control installation

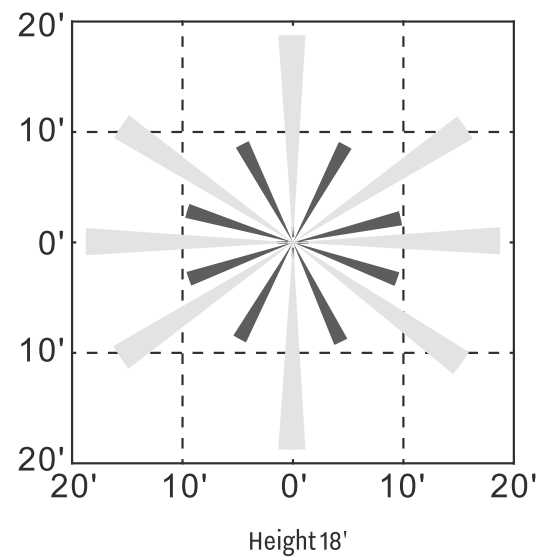


EasySense
fixture-mount installation

SIDE VIEW



TOP VIEW



OS, IFS105SE coverage pattern

COMPATIBLE DIMMERS

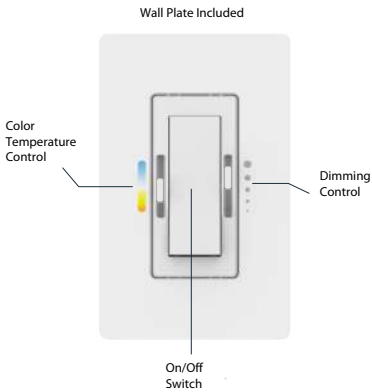


Static White

| 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
Max Load: 600W
Control: 0-10V
Wired Tunable White: TW2750 & TW2065

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, Scenes |
| 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

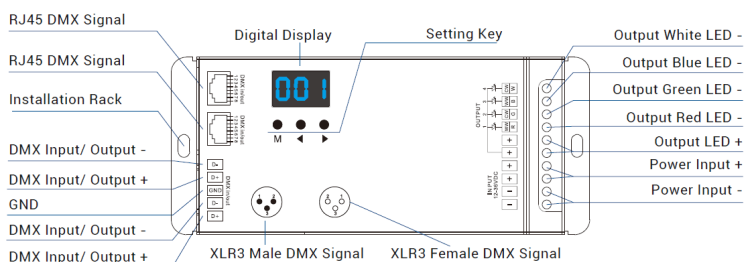
| | |
|-----------------|------------------------------|
| Zone | 4 zone |
| Signal | DMX512 protocol |
| Input Voltage | 100-240VAC |
| Dimensions | L 3.4" x H 3.4" x D 1.45" |
| Features | 10 built-in mode, scene |
| Operating Temp. | -22°F ~ 131°F (-30°C ~ 55°C) |



RGBW-DMX5V

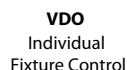
| | |
|-----------------|------------------------------|
| Zone | 4 zone |
| Signal | DMX512 protocol |
| Input Voltage | 5VDC |
| Dimensions | L 7" x H 1.3" x D 1.9" |
| Features | 12 built-in mode, scene |
| Operating Temp. | -22°F ~ 131°F (-30°C ~ 55°C) |

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 |

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



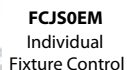
Shipped LUTRON VIVE Enabled
with VRF Vive Integral Fixture
Control (RF Only) Installed on the
Fixture.



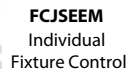
Shipped LUTRON VIVE Enabled
FCJS0 Control Module Installed on
the Fixture.



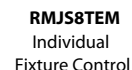
Shipped LUTRON VIVE Enabled
FCJSE Control Module Control
Module Installed on the Fixture.



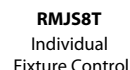
Shipped LUTRON VIVE Enabled
FCJS0 Control Module Installed on
the Fixture.



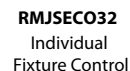
Shipped LUTRON VIVE Enabled
FCJSEEM Control Module
Control Module Installed on the
Fixture.



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



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



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

COLOR TEMPERATURE GUIDE

