

Mudr 2 In-Wall Channel



The Mudr 2 channel is purpose-built for seamless integration of LED lighting into walls and ceilings, specifically designed for compatibility with 5/8-inch drywall. Engineered for a clean, modern finish, it delivers consistent, pure white illumination from edge to edge—completely free of dark spots—for a smooth, uninterrupted glow.

- Available linking system for both straight runs, and 90-degree corners
- Mitre cuts are available through Alloy LED customization program
- Accommodates wider Alloy LED tape lights

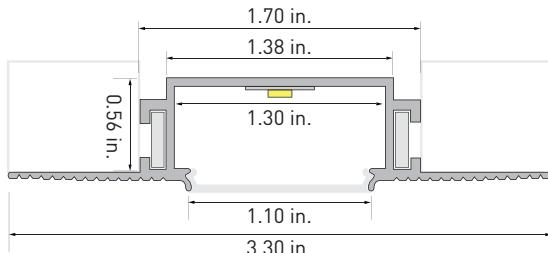


PRODUCT INFORMATION

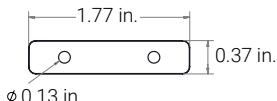
| Item Number | Description |
|------------------------------|--|
| AL-50-30-0111-AL-KIT | Mudr 2 In-Wall - 4 ft. Channel Kit: 1 Aluminum Channel and 1 Frosted Diffuser Cover |
| AL-50-30-0115-AL-KIT | Mudr 2 In-Wall - 7 ft. Channel Kit: 1 Aluminum Channel and 1 Frosted Diffuser Cover |
| AL-50-30-9992-AL | Mudr 2 In-Wall - Straight Connecting Bracket - 2-Pack |
| AL-50-30-9993-AL | Mudr 2 In-Wall - L Bracket for Mitred Corners - 2-Pack |
| AL-50-30-9994-AL | Mudr 2 In-Wall - L Bracket for Beveled Corners - 2-Pack |
| AL-50-30-NON-POWERED-EC | Mudr 2 Non-Powered End Cap with 2 Straight Connecting brackets with set screws |
| AL-50-30-POWERED-END-CAP | Mudr 2 In-Wall - Powered End Cap - 1 Pack with 1 Powered End Cap Cover and Hex Screws, 2 Universal Straight Connectors with Set Screws, 1 Wire Strain Relief, 1 Nipple Pipe, 1 Lock Washer, and 1 Hex Nut |
| AL-50-30-POWERED-END-CAP-KIT | Mudr 2 Powered End Cap Kit: 1 Mudr 2 Powered End Cap, 1 Mudr 2 Powered End Cap Cover with hex screws, 1 Mudr 2 Mounting Plate with TSGB and mounting screws, 2 Straight Connecting brackets with set screws, 1 Wire Strain Relief (for 1/4 in.), 1 Nipple Pipe 1/4 in. IPS, 1 Lock Washer 1/4 in. IPS, and 1 Hex Nut 1/4 in. IPS |
| AL-50-30-POWERED-CORNER-KIT | Mudr 2 Powered Corner Kit: 1 Mudr 2 Powered Corner with Cover and hex screws, 1 Mudr 2 Mounting Plate with TSGB and mounting screws, 4 Straight Connecting brackets with set screws, 2 Wire Strain Reliefs (for 1/4 in.), 2 Nipple Pipes 1/4 in. IPS, 2 Lock Washers 1/4 in. IPS, and 2 Hex Nuts 1/4 in. IPS |

This channel is compatible with selected tape light models only, see the "Channel and Tape Light Compatibility and Hotspot Guide" PDF on the Resources page on our website for information.

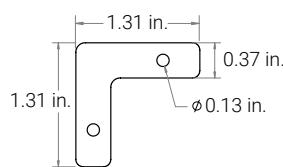
PRODUCT DIMENSIONS



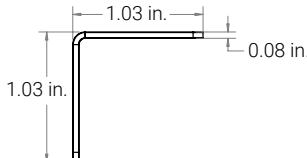
Mudr 2 In-Wall Channel



Straight Connecting Bracket
AL-50-30-9992-AL



L Bracket for Beveled Corners
AL-50-30-9994-AL

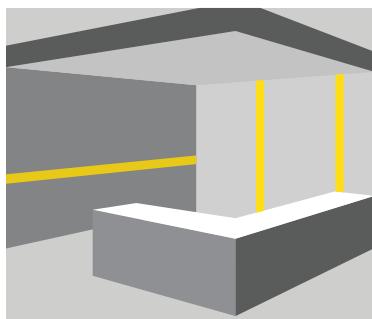


L Bracket for Mitred Corners
AL-50-30-9993-AL

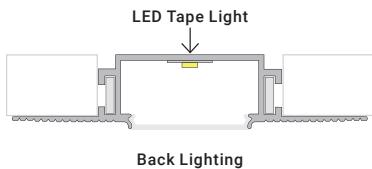
Mudr 2 In-Wall Channel

MOUNTING CONFIGURATION GUIDANCE

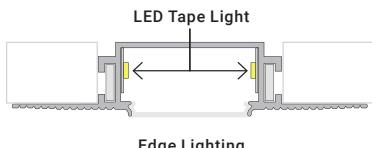
Straight Configuration



Straight Connecting Bracket - 2-Pack
AL-50-30-9992-AL

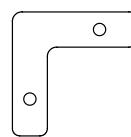
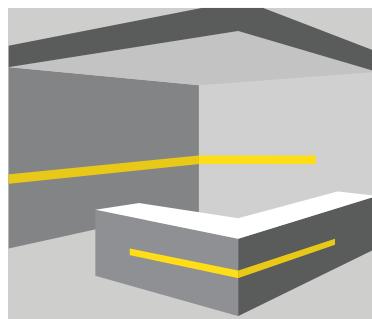


Back Lighting

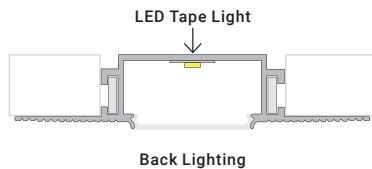


Edge Lighting

Wrapping Configuration (Bevel Cut)

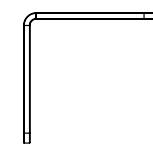
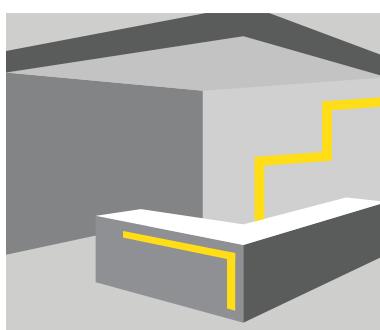


L Bracket for Beveled Corners - 2-Pack
AL-50-30-9994-AL

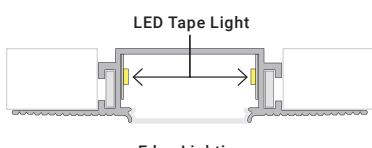


Back Lighting

Zig-Zag Configuration (Mitred Cut)

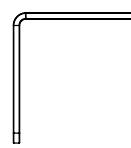
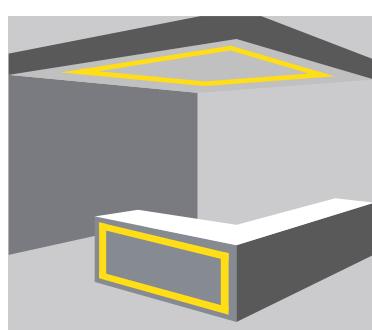


L Bracket for Mitred Corners - 2-Pack
AL-50-30-9993-AL

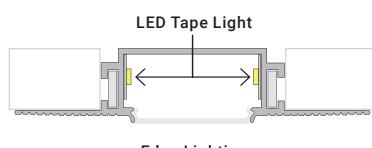


Edge Lighting

Picture Frame Configuration (Mitred Cut)



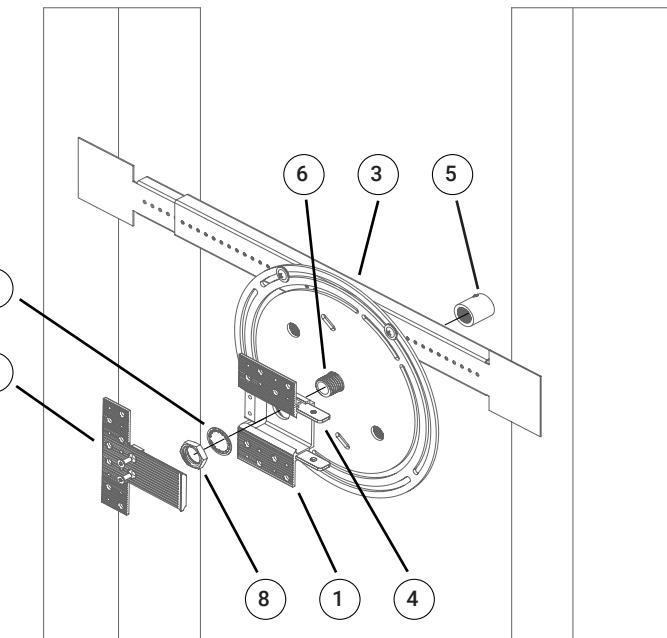
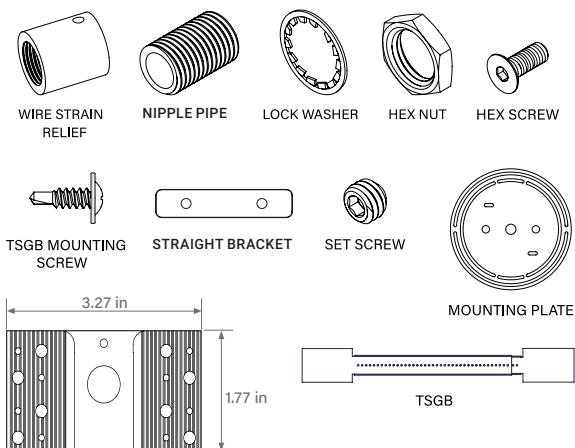
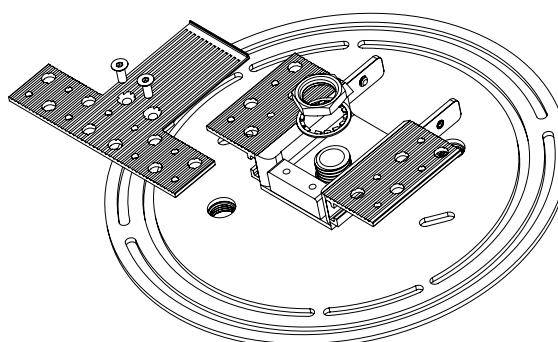
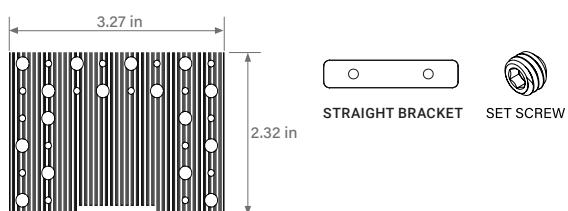
L Bracket for Mitred Corners - 2-Pack
AL-50-30-9993-AL



Edge Lighting

Mudr 2 In-Wall Channel**PRODUCT KITS (SOLD SEPARATELY)****AL-50-30-Powered-End-Cap-Kit**

| Description | Item Number | Qty. |
|---|-------------|------|
| Mudr 2 Powered End Cap | 1 | 1 |
| Mudr 2 Powered End Cap Cover with hex screws | 2 | 1 |
| Mudr 2 Mounting Plate with TSGB and mounting screws | 3 | 1 |
| Straight Connecting brackets with set screws | 4 | 2 |
| Wire Strain Relief for 1/4 in. | 5 | 1 |
| Nipple Pipe 1/4 in. IPS | 6 | 1 |
| Lock Washer 1/4 in. IPS | 7 | 1 |
| Hex Nut 1/4 in. IPS | 8 | 1 |

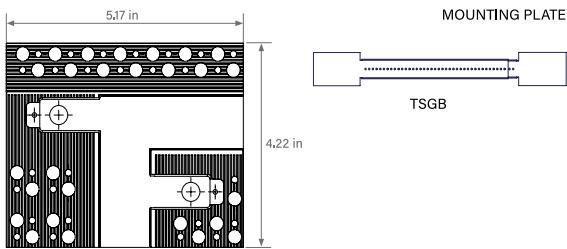
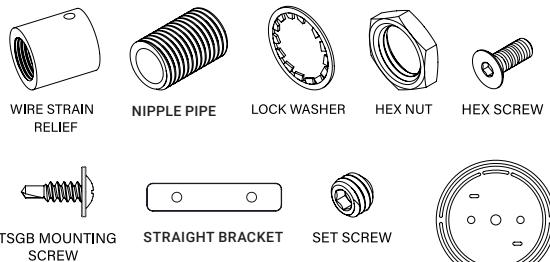
**Mudr 2 Powered End Cap - Kit****Mudr 2 In-Wall Powered End Cap****AL-50-30-Non-Powered-EC****Mudr 2 In-Wall Non-Powered End Cap**

Mudr 2 In-Wall Channel

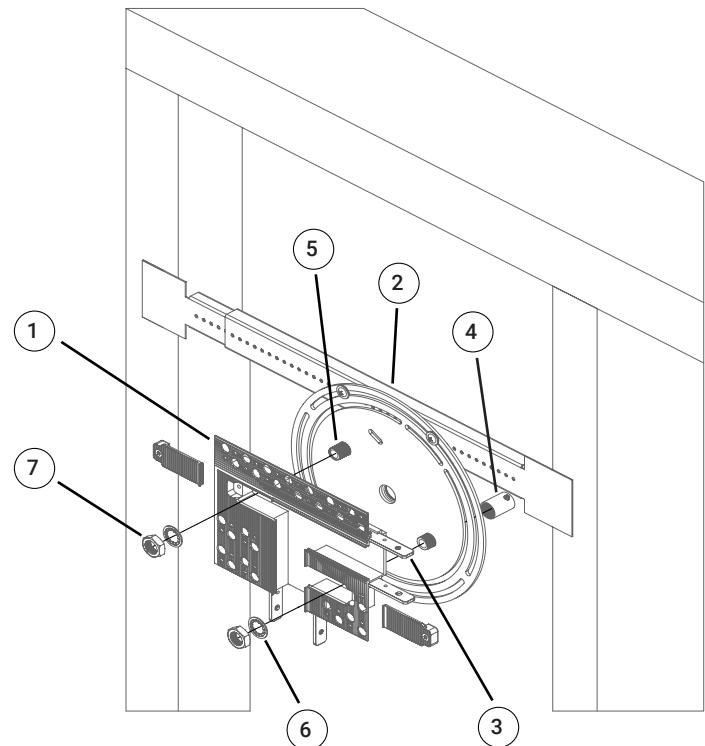
PRODUCT KITS (SOLD SEPARATELY)

AL-50-30-Powered-Corner-Kit

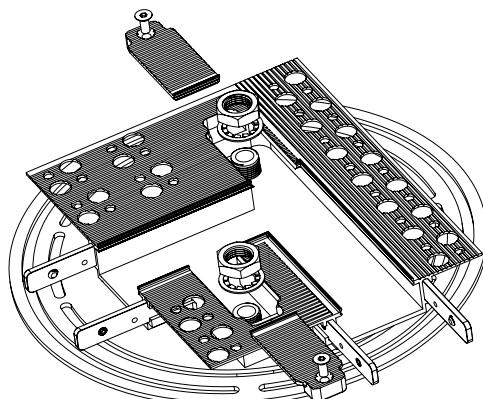
| Description | Item Number | Qty. |
|---|-------------|------|
| Mudr 2 Powered Corner with Cover and hex screws | 1 | 1 |
| Mudr 2 Mounting Plate with TSGB and mounting screws | 2 | 1 |
| Straight Connecting brackets with set screws | 3 | 4 |
| Wire Strain Relief for 1/4 in. | 4 | 2 |
| Nipple Pipe 1/4 in. IPS | 5 | 2 |
| Lock Washer 1/4 in. IPS | 6 | 2 |
| Hex Nut 1/4 in. IPS | 7 | 2 |



Mudr 2 In-Wall Powered Corner

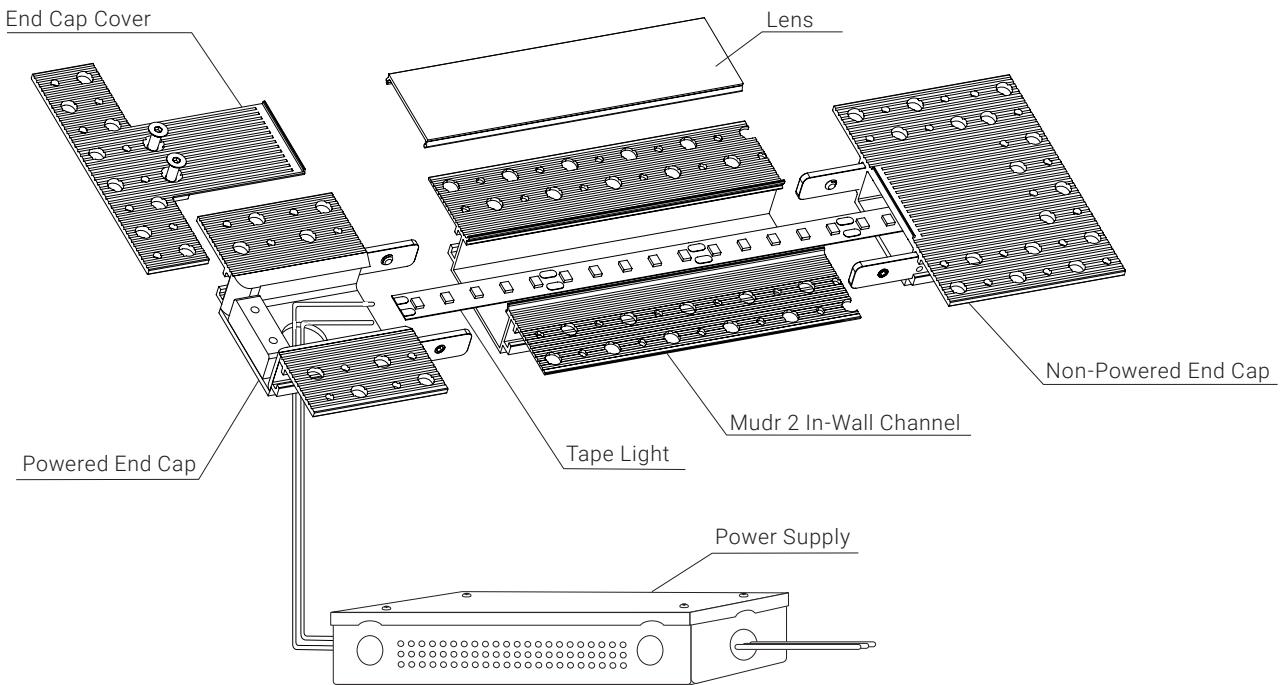


Mudr 2 Powered Corner - Kit

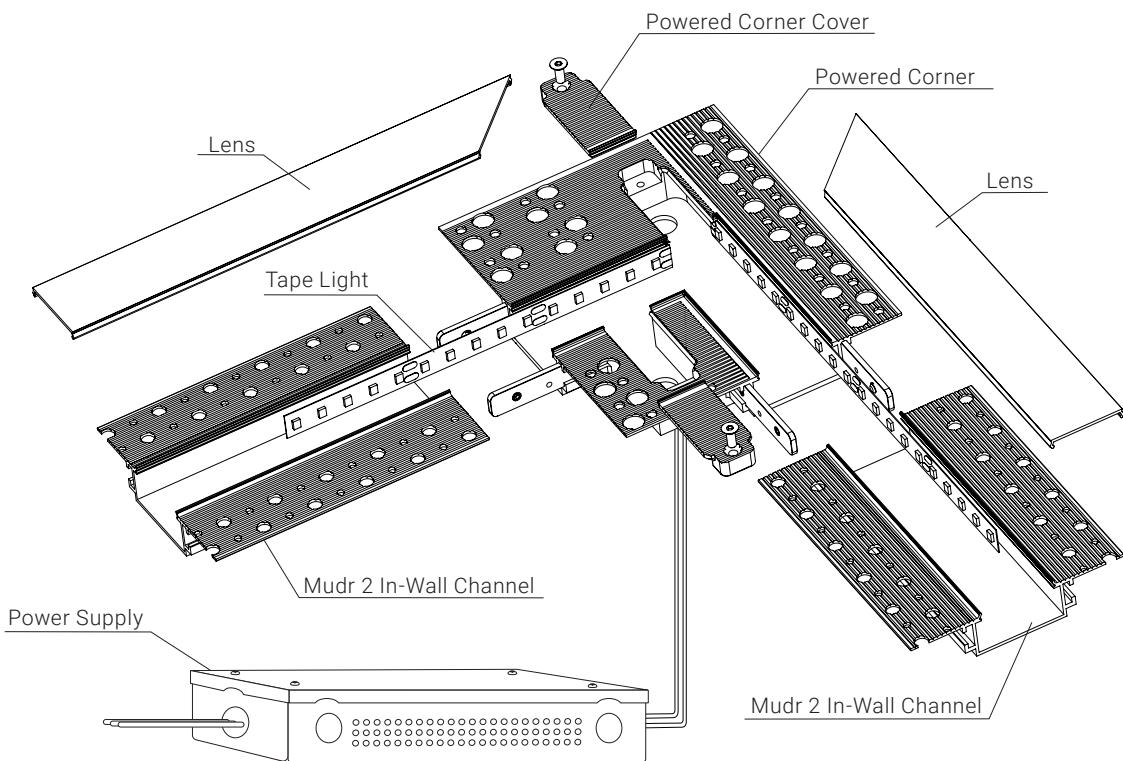


Mudr 2 In-Wall Channel

POWERED END CAP COMPLETE SOLUTION



POWERED CORNER COMPLETE SOLUTION



ALLOY LED® Specifications

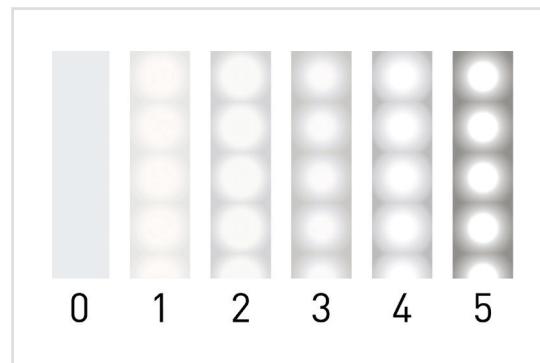
MUDR 2 AND TAPE LIGHT HOTSPOT AND COMPATIBILITY GUIDE

| Tape Light | Wire Connection | TapeMate | Hotspot |
|-------------------------------------|-----------------|----------|---------|
| PrimaLine® 1.5 | Y | Y | 2 |
| PrimaLine 1.5 XT Long-Run | Y | Y | 2 |
| PrimaLine 2.5 COB | | Y | 0 |
| PrimaLine 2.7 LP | S | Y | 0 |
| PrimaLine 3 | Y | Y | 0 |
| PrimaLine 3 XT Long-Run | Y | Y | 0 |
| PrimaLine 4.4 Gen 2 | Y | Y | 0 |
| PrimaLine 4.4 XT Long-Run Gen 2 | Y | Y | 0 |
| PrimaLine 5.5 LP | Y | Y | 0 |
| PrimaLine 6.6 Gen 2 | Y | Y | 0 |
| PrimaLine 7 | Y | Y | 0 |
| PrimaLine 8 Gen 2 | Y | Y | 0 |
| Varien™ 1.2 XT Long-Run Dim-to-Warm | Y | Y | 0 |
| Varien 2.7 Dim-to-Warm | Y | Y | 0 |
| Varien 5.5 Dim-to-Warm | Y | Y | 0 |
| Varien 8 Dim-to-Warm | Y | Y | 0 |
| Radialux® 2.2 RGB | Y | Y | 1 |
| Radialux 4.2 COB RGB | | | 0 |
| Radialux 4.4 RGB | Y | Y | 1 |
| Radialux 4.4 RGBW | Y | Y | 0 |
| Radialux 4.7 LP RGBW | N/A | N/A | 0 |
| Radialux 5.9 RGBW | Y | Y | 0 |
| Radialux 8.8 RGB | S | S | 0 |
| Radialux 8.8 RGBW | S | S | 0 |
| PrimaLine 1.5 Wet | | | 1 |
| PrimaLine 1.5 XT Long-Run Wet | | | 1 |
| PrimaLine 3 Wet | | | 0 |
| PrimaLine 3 XT Long-Run Wet | | | 1 |
| PrimaLine 4.4 XT Long-Run Gen 2 Wet | | | 0 |
| Varien 2.7 Dim-to-Warm Wet | | | 0 |
| Radialux 2.2 RGB Wet | | | 1 |
| Radialux 4.4 RGB Wet | | | 1 |
| Radialux 4.4 RGBW Wet | | | 1 |
| Radialux 5.9 RGBW Wet | | | 1 |

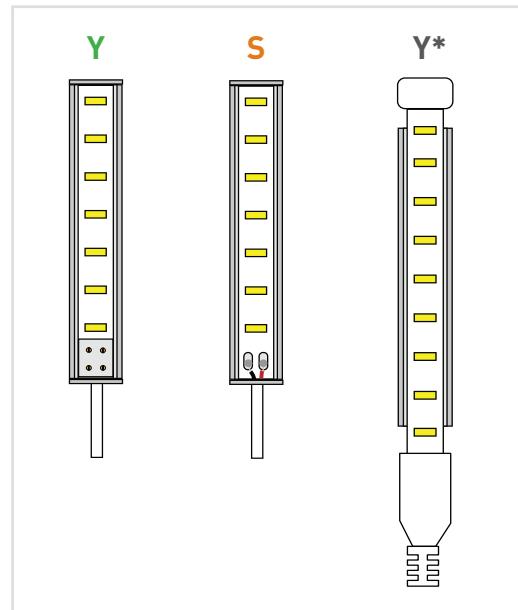
Chart Key

| | |
|---------------------------------------|--|
| Y | Tape, channel, and connector fit |
| Y* | (Wet Tape Only) Tape light end caps do not fit |
| S | (Dry Tape Only) Connector does not fit in channel / leads should be soldered |
| □ | Does not fit width and /or height |

Hotspot Values



Compatibility Visual Key



ALLOY LED® Specifications

RECOMMENDED TAPE LIGHT (SOLD SEPARATELY)

High Output

PrimaLine 4.4 XT Long-Run Gen 2
LED Tape Light

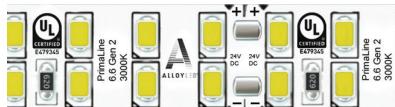


24V DC / Maximum Run = 26 ft. / Class 2 Limit = 21 ft.

| 20 ft. Spool | 40 ft. Spool | 100 ft. Spool | Color Temperature | Lumens per Foot | CRI |
|---------------|---------------|---------------|-------------------|-----------------|-----|
| AL-01-16-2401 | AL-01-16-2421 | AL-01-16-2441 | 2700K | 294 | 97 |
| AL-01-16-2402 | AL-01-16-2422 | AL-01-16-2442 | 3000K | 347 | 96 |
| AL-01-16-2403 | AL-01-16-2423 | AL-01-16-2443 | 4200K | 361 | 97 |
| AL-01-16-2404 | AL-01-16-2424 | AL-01-16-2444 | 5000K | 379 | 95 |
| AL-01-16-2408 | AL-01-16-2428 | AL-01-16-2448 | 3500K | 333 | 98 |

High Output

PrimaLine 6.6 Gen 2 LED Tape Light



24V DC / Maximum Run = 20 ft. / Class 2 Limit 14.5 ft.

| 8 ft. Spool | 20 ft. Spool | Color Temperature | Lumens per Foot | CRI |
|---------------|---------------|-------------------|-----------------|-----|
| AL-01-18-2401 | AL-01-18-2411 | 2700K | 656 | 97 |
| AL-01-18-2402 | AL-01-18-2412 | 3000K | 631 | 96 |
| AL-01-18-2403 | AL-01-18-2413 | 4200K | 806 | 97 |
| AL-01-18-2404 | AL-01-18-2414 | 5000K | 835 | 95 |

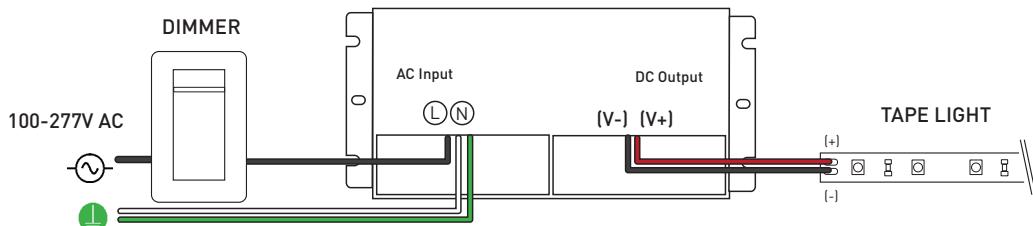
ALLOY LED® Specifications

RECOMMENDED POWER SUPPLIES (SOLD SEPARATELY)

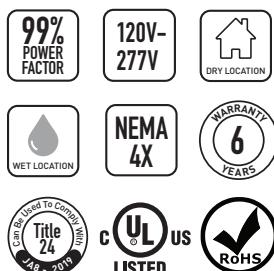


Alloy LED PowerFactor™ Dimmable Power Supplies with Integrated UL Listed Junction Box

Compact, highly efficient, and code-compliant power supply with versatile and smooth dimming capabilities.



Wiring diagram is for reference only. Please refer to dimmer wiring specifications sheet for accurate directions.



Single Tap Models

| Item Number | Output Voltage | Wattage | Wet Location | Minimum Load | Dimensions (L x W x H) | Class |
|----------------|----------------|---------|---------------|--------------|-------------------------|-------|
| AL-98-10-12030 | 12V DC | 30W | Yes (NEMA 4X) | 10% | 6.50 x 3.72 x 1.02 in. | Yes |
| AL-98-10-12060 | 12V DC | 60W | Yes (NEMA 4X) | 10% | 7.40 x 3.72 x 1.02 in. | Yes |
| AL-98-10-12120 | 12V DC | 120W | Yes (NEMA 4X) | 10% | 8.66 x 3.72 x 1.57 in. | No |
| AL-98-10-24030 | 24V DC | 30W | Yes (NEMA 4X) | 10% | 6.50 x 3.72 x 1.02 in. | Yes |
| AL-98-10-24060 | 24V DC | 60W | Yes (NEMA 4X) | 10% | 7.40 x 3.72 x 1.02 in. | Yes |
| AL-98-10-24096 | 24V DC | 96W | Yes (NEMA 4X) | 10% | 8.66 x 3.72 x 1.57 in. | Yes |
| AL-98-10-24150 | 24V DC | 150W | Yes (NEMA 4X) | 10% | 10.24 x 4.13 x 1.77 in. | No |
| AL-98-10-24200 | 24V DC | 200W | Yes (NEMA 4X) | 10% | 10.24 x 4.13 x 1.77 in. | No |
| AL-98-10-24300 | 24V DC | 300W | Yes (NEMA 4X) | 10% | 10.94 x 4.33 x 1.77 in. | No |

Class 2 Compliant Multi-Tap Models

| Item Number | Output Voltage | Wattage | Wet Location | Minimum Load | Dimensions (L x W x H) | Class |
|-------------------|----------------|---------|---------------|--------------|-------------------------|-------|
| AL-98-10-12300-MT | 12V DC | 300W | Yes (NEMA 4X) | 10% | 11.85 x 4.33 x 1.77 in. | Yes |
| AL-98-10-24192-MT | 24V DC | 192W | Yes (NEMA 4X) | 10% | 10.94 x 4.33 x 1.77 in. | Yes |
| AL-98-10-24288-MT | 24V DC | 288W | Yes (NEMA 4X) | 10% | 11.85 x 4.33 x 1.77 in. | Yes |

Note: PowerFactor assumes 80% load.

Inspectors prefer power supply to be used with junction box.

For dimmer compatibility, refer to drivers specification sheet.

ALLOY LED® Specifications

RECOMMENDED POWER SUPPLIES (SOLD SEPARATELY)

Alloy LED Primavolt® No Minimum Load Dimmable Power Supplies with ETL Listed Junction Box

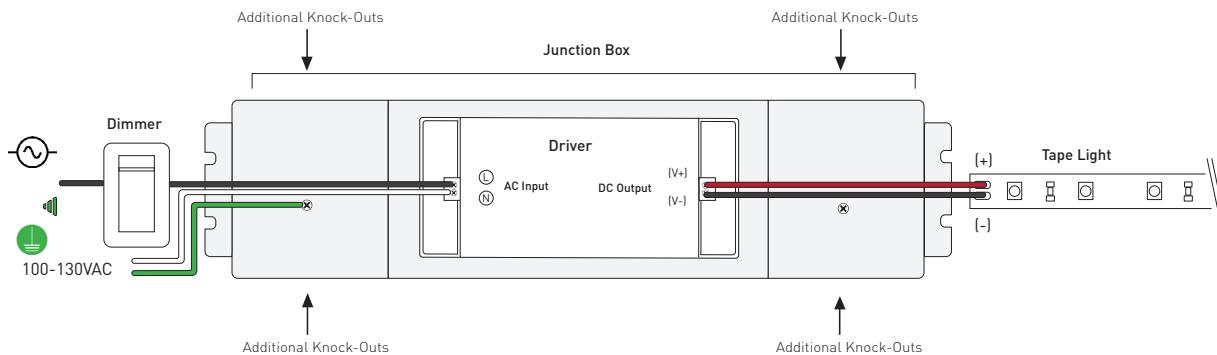
Code-compliant power supply with versatile and smooth dimming capabilities. Compatible with Incandescent, On/Off, ELV and MLV dimmers.



Dry Location Model
White model for 60W and lower



Wet Location Model
Black model for 80W and higher



Wiring diagram is for reference only. Please refer to dimmer wiring specifications sheet for accurate directions.



| Item Number | Output Voltage | Wattage | Minimum Load | Dimensions (Junction Box) (L x W x H) | Class 2 |
|-------------------|----------------|---------|--------------|---------------------------------------|---------|
| AL-98-03-12024-NM | 12V DC | 24W | 0% | 13.78 x 3.03 x 1.46 in. | Yes |
| AL-98-03-12048-NM | 12V DC | 48W | 0% | 13.78 x 3.03 x 1.46 in. | Yes |
| AL-98-03-12060-NM | 12V DC | 60W | 0% | 13.78 x 3.03 x 1.46 in. | Yes |
| AL-98-03-12080-NM | 12V DC | 80W | 0% | 14.96 x 3.03 x 2.24 in. | No |
| AL-98-03-12120-NM | 12V DC | 120W | 0% | 14.96 x 3.03 x 2.24 in. | No |
| AL-98-03-24024-NM | 24V DC | 24W | 0% | 13.78 x 3.03 x 1.46 in. | Yes |
| AL-98-03-24048-NM | 24V DC | 48W | 0% | 13.78 x 3.03 x 1.46 in. | Yes |
| AL-98-03-24060-NM | 24V DC | 60W | 0% | 13.78 x 3.03 x 1.46 in. | Yes |
| AL-98-03-24080-NM | 24V DC | 80W | 0% | 14.96 x 3.03 x 2.24 in. | Yes |
| AL-98-03-24096-NM | 24V DC | 96W | 0% | 14.96 x 3.03 x 2.24 in. | Yes |
| AL-98-03-24150-NM | 24V DC | 150W | 0% | 15.98 x 3.43 x 2.36 in. | No |
| AL-98-03-24200-NM | 24V DC | 200W | 0% | 15.98 x 3.43 x 2.36 in. | No |

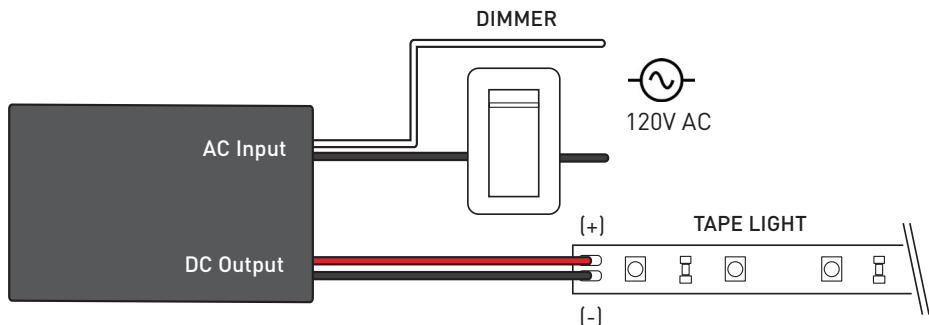
Note: Alloy LED strongly recommends using Listed Class 2 power supplies for all installations. Always install in accordance with local and national electrical code regulations. Inspectors prefer power supply to be used with junction box. For dimmer compatibility, refer to drivers specification sheet.

ALLOYLED® Specifications

RECOMMENDED POWER SUPPLIES (SOLD SEPARATELY)

ELV Dimmable Power Supplies for Remote Enclosures

The drivers are derated, but when installed in a small enclosure with no heatsink or air circulation, we recommend a maximum load of 40W.



Wiring diagram is for reference only. Please refer to dimmer wiring specifications sheet for accurate directions.



| Item Number | Output | Wattage | Dimensions (L x W x H) | Class 2 |
|----------------|--------|---------|------------------------|---------|
| AL-98-08-12060 | 12V DC | 60W | 2.66 x 1.30 x 0.83 in. | Yes |
| AL-98-08-24060 | 24V DC | 60W | 2.66 x 1.30 x 0.83 in. | Yes |

Note: Inspectors prefer power supply to be used with junction box.
For dimmer compatibility, refer to drivers specification sheet.

ALLOY LED® Specifications

DIMMING ACCESSORIES (SOLD SEPARATELY)

Lutron® Dimming Accessories

By participating in Lutron's OEM Advantage program, Alloy LED is able to offer a range of the highest quality low voltage power supplies and selected controls on the market.



Hi-lume Premier
0.1% EcoSystem /
3-wire LED Driver
(96W 24VDC)



Hi-lume 1% LED Driver 40W
- EcoSystem / 3-wire control
- 2-wire 120V forward
phase control



Lutron Vive PowPak RF Module
- RF module for EcoSystem LED
driver control
- Use with the Lutron EcoSystem
drivers shown to "Vive-enable"
Alloy LED products

Lutron® Hi-lume LED Drivers

| Item Number | Output | Wattage | Minimum Load | Class 2 |
|----------------------|--------|---------|--------------|---------|
| AL-98-07-12040 | 12V DC | 40W | N/A | Yes |
| AL-98-07-12040-3WIRE | 12V DC | 40W | N/A | Yes |
| AL-98-07-24040 | 24V DC | 40W | N/A | Yes |
| AL-98-07-24040-3WIRE | 24V DC | 40W | N/A | Yes |
| AL-98-07-24096-3WIRE | 24V DC | 96W | N/A | Yes |

Lutron® Controls

| Item Number | Description | Voltage |
|----------------------|-----------------------------------|---------|
| AL-98-07-9901 | EcoSystem Control Module | N/A |
| AL-98-07-9901-8 | EcoSystem Control Module - 8 pack | N/A |
| AL-98-07-9950 | CL Dimmer | 120V AC |
| AL-98-07-9950-FPLATE | CL Dimmer faceplate | N/A |

ALLOY LED® Specifications

DIMMING ACCESSORIES (SOLD SEPARATELY)

Dimmers and Switches

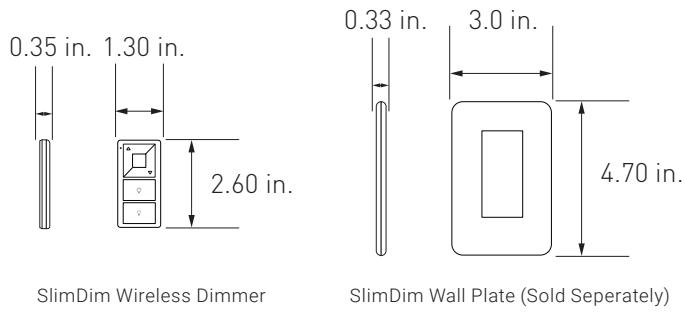
SlimDim Wireless Dimmer Switch

Using long-range RF technology, these LED dimmers connect wirelessly to a receiver, offering freedom to mount anywhere. Can also be used as a fob for mobile, hand-held control.

AL-70-01-0001 SlimDim Wireless Dimmer

AL-70-01-0002 Single Color Receiver (96W max.) (sold separately) 

AL-98-07-9950 SlimDim Wall Plate (sold separately)



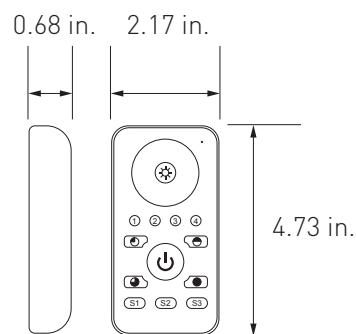
Remote Control Dimmer Switch

Provides full dimming and on/off control, and includes a touch wheel that allows for direct visual selection of brightness. It can also operate up to four independent zones.

AL-60-03-0001 Remote Control Dimmer Switch

AL-70-01-0002 Single Channel Receiver (sold separately) 

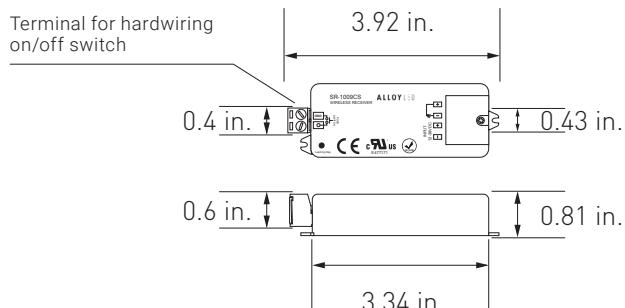
AL-60-03-0004-V2 Wireless Receiver (RGB & RGBW) (sold separately) 



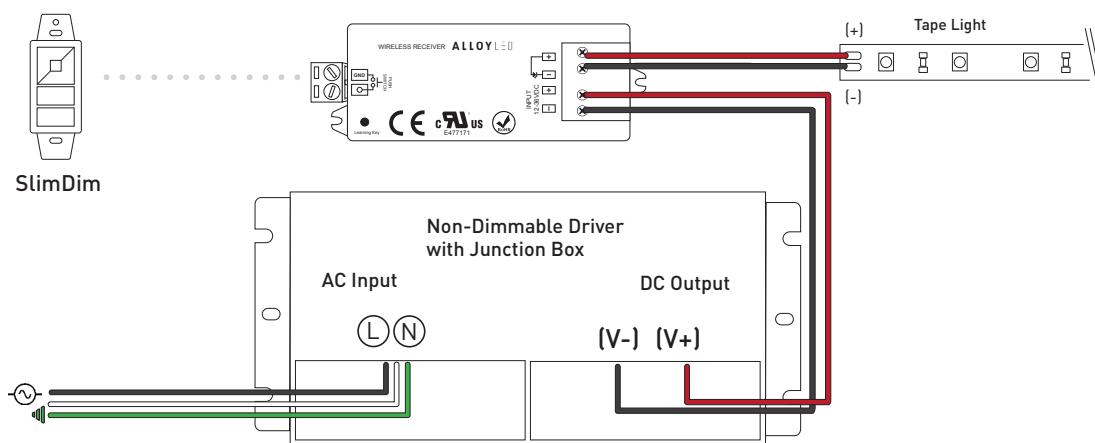
Single Channel Wireless Receiver

Pair with the Remote Control Dimmer Switch or the SlimDim Wireless Dimmer to dim PrimaLine tape lights. Use one remote to make independent lighting zones with multiple receivers with certain controllers.

AL-70-01-0002 Single Channel Wireless Receiver



WIRING DIAGRAM

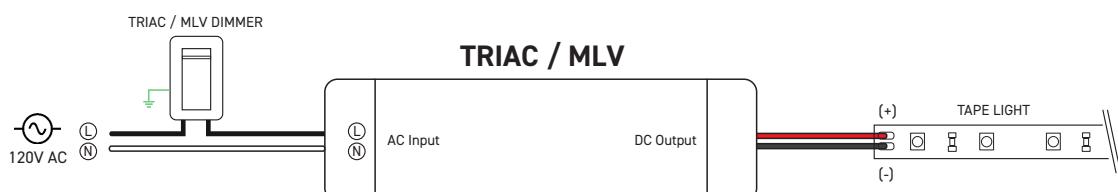
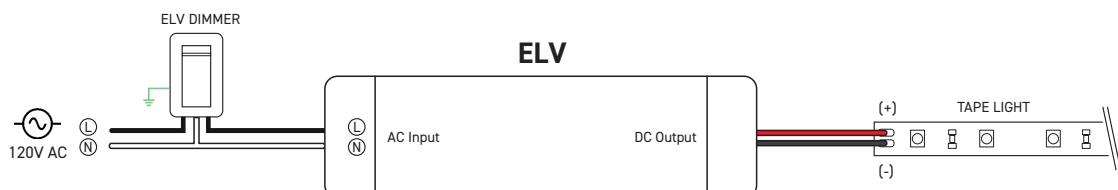


ALLOY LED® Specifications

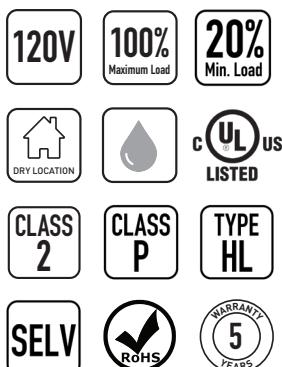
RECOMMENDED POWER SUPPLIES (SOLD SEPARATELY)

Alloy LED TRIAC/MLV/ELV Dimmable Drivers for Remote Locations

Offers stable power in even in the most remote settings. Compatibility with TRIAC, ELV, or MLV dimmers.



Wiring diagram is for reference only. Please refer to dimmer wiring specifications sheet for accurate directions.



| Item Number | Output Voltage | Wattage | Dimensions (L x W x H) | Class 2 |
|----------------|----------------|---------|------------------------|---------|
| AL-98-09-12060 | 12V DC | 60W | 3.31 x 1.57 x 0.98 | Yes |
| AL-98-09-24096 | 24V DC | 96W | 3.31 x 1.57 x 0.98 | Yes |

Note: Alloy LED strongly recommends using Listed Class 2 power supplies for all installations. Always install in accordance with local and national electrical code regulations. Inspectors prefer power supply to be used with junction box. For dimmer compatibility, refer to drivers specification sheet.