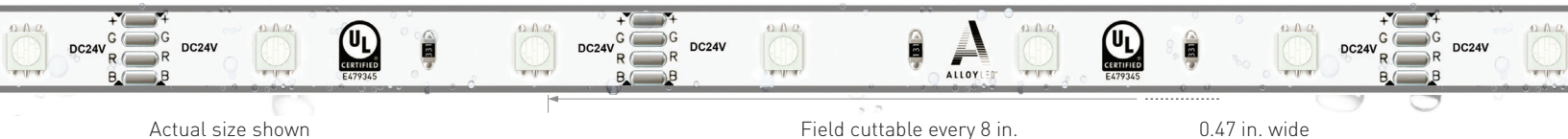


Radialux® 2.2 Wet Location 24V RGB LED Tape Light



Wet Location Radialux offers color-changing linear lighting for indoor and outdoor spaces that require dynamic lighting effects and dramatic accenting. With an RGB color controller, Radialux tape can change colors at your choice of speeds, or display any static color in the spectrum. Radialux 2.2 uses only 2.2 watts per foot, making it an ideal choice for small to medium spaces.

- Very low energy at 2.2W per foot
- Economical
- Perfect brightness for indoor and outdoor accenting and ambient

TECHNICAL INFORMATION

| | |
|-----------------------------------|-----------------------------|
| Color | RGB |
| Power Consumption Per Foot | 2.16 Watts/90mA |
| Input Voltage | 24V DC |
| Diodes per foot | 9 |
| Diode Spacing | 1.3 in. |
| Tape Height | 0.2 inches |
| Beam Angle | 120° |
| Field Cuttable (UL 2108) | Every 8 in. |
| Max Run Length | 16.4 feet |
| Dimmable | Yes (with color controller) |

| | |
|------------------------------|--|
| Diode Type | 5050 SMD |
| Mounting | 3M™ Self-Adhesive Tape (Acrylic Foam), Mounting Clips (Included) |
| Operating Temperature | -13° F to 140° F |
| Ambient Temperature | -40° F to 186° F |
| Spool Length* | 16.4 ft. |
| Environment | Indoor/Outdoor, Dry/Wet, IP68 |
| Certifications | UL Listed, UL 2108, CE, RoHS |
| Warranty | 6 Year Limited |

*Each spool comes with 36 in. 20 AWG tinned lead wires at each end.

PRODUCT INFORMATION

| Item Number | Length | Voltage | Lumens |
|---------------|----------|---------|--------|
| AL-02-01-2461 | 16.4 ft. | 24V DC | 83.3 |

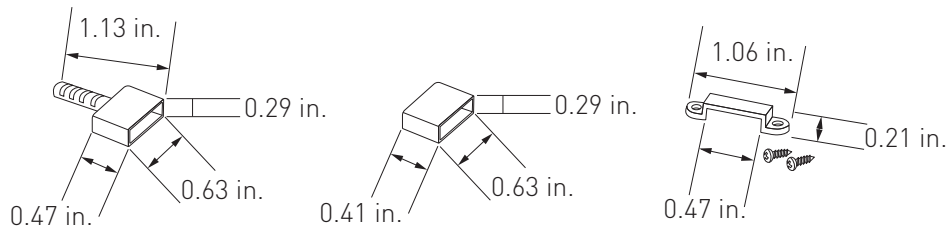
VOLTAGE DROP GUIDANCE CHART

24V Voltage Drop and Wire Length Distance Chart (3% Drop or 23.28V)

| 10W (0.42A) | 20W (0.83A) | 30W (1.3A) | 40W (1.7A) | 50W (2.1A) | 60W (2.5A) | 70W (2.9A) | 80W (3.3A) | 90W (3.75A) | 100W (4.2A) | Wire Gauge |
|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|------------|
| 85 ft. | 43 ft. | 27 ft. | 21 ft. | 17 ft. | 14 ft. | 12 ft. | 11 ft. | 9 ft. | 8 ft. | 20 AWG |
| 134 ft. | 68 ft. | 45 ft. | 33 ft. | 27 ft. | 22 ft. | 19 ft. | 17 ft. | 15 ft. | 14 ft. | 18 AWG |
| 215 ft. | 109 ft. | 72 ft. | 54 ft. | 43 ft. | 36 ft. | 31 ft. | 27 ft. | 24 ft. | 22 ft. | 16 AWG |
| 345 ft. | 174 ft. | 115 ft. | 86 ft. | 69 ft. | 57 ft. | 49 ft. | 43 ft. | 39 ft. | 36 ft. | 14 AWG |
| 539 ft. | 272 ft. | 181 ft. | 135 ft. | 108 ft. | 90 ft. | 77 ft. | 68 ft. | 61 ft. | 56 ft. | 12 AWG |
| 784 ft. | 397 ft. | 263 ft. | 197 ft. | 158 ft. | 131 ft. | 112 ft. | 98 ft. | 97 ft. | 82 ft. | 10 AWG |

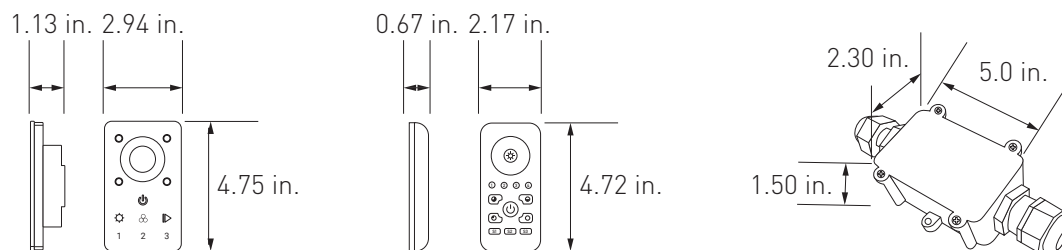
Note: These tables provide general guidelines for determining Wire Gauge based on total load and distance from LED driver to beginning of luminaire.

ACCESSORIES (INCLUDED)



All spools include 5 splice sleeves, 10 waterproof end caps, and 10 mounting clips with 20 screws.

ACCESSORIES (SOLD SEPARATELY)



DMX Touch Wall Controller

AL-60-03-0003
Use with the Wireless Receiver
AL-60-03-0004-V2
(sold separately)

Wireless Remote Controller

AL-60-03-0002
Use with the Wireless Receiver
AL-60-03-0004-V2
(sold separately)

Waterproof Junction Box - 2 Ports / 5 Terminals

AL-98-05-99003-2

*See our website for the full range of RGB/RGBW controllers and accessories.



Mean Well Non-Dimmable Drivers

| Item Number | Voltage | Wattage | Dimensions |
|----------------|---------|---------|------------------------|
| AL-98-04-24036 | 24V DC | 36W | 5.83 x 1.58 x 1.18 in. |
| AL-98-04-24060 | 24V DC | 60W | 6.4 x 1.67 x 1.26 in. |
| AL-98-04-24100 | 24V DC | 100W | 7.5 x 2 x 1.46 in. |
| AL-98-04-24151 | 24V DC | 151W | 7.52 x 2.5 x 1.48 in. |
| AL-98-04-24200 | 24V DC | 200W | 8.47 x 5.43 x 1.18 in. |



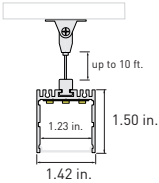
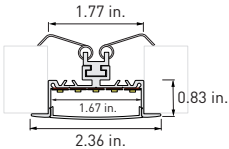
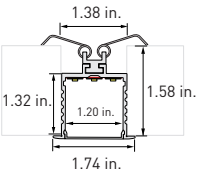
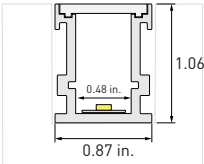
3M 9731 Silicone Rated Adhesive Tape

AL-01-01-9992 (50 ft.)

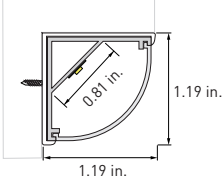
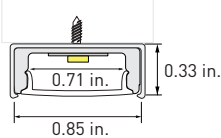
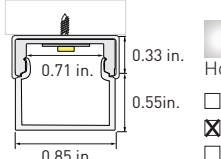
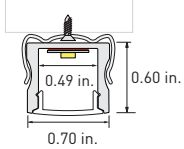
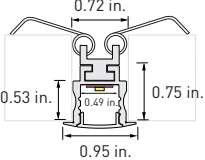
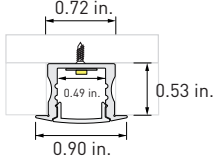
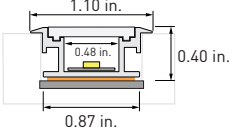
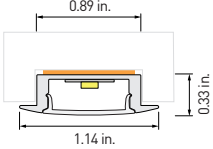
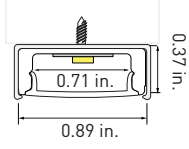
AL-01-01-9993 (100 ft.)

COMPATIBLE CHANNELS (Diagrams below not to scale)

Reduced Hotspot Pairings (Hotspot Rating from 0-5)

| | | |
|--|--|--|
| <p>Suspan 1: Suspended</p>  <p>Hotspot Rating: 0</p> <ul style="list-style-type: none"><input type="checkbox"/> Solder<input checked="" type="checkbox"/> Connector<input type="checkbox"/> AmpChamp | <p>Ankr 1: In-Wall</p>  <p>Hotspot Rating: 1</p> <ul style="list-style-type: none"><input type="checkbox"/> Solder<input checked="" type="checkbox"/> Connector<input type="checkbox"/> AmpChamp | <p>Ankr 2: In-Wall</p>  <p>Hotspot Rating: 0</p> <ul style="list-style-type: none"><input type="checkbox"/> Solder<input checked="" type="checkbox"/> Connector<input type="checkbox"/> AmpChamp |
| <p>Duro 1: In-Ground</p>  <p>Hotspot Rating: 0</p> <ul style="list-style-type: none"><input checked="" type="checkbox"/> Solder<input type="checkbox"/> Connector<input type="checkbox"/> AmpChamp | | |

Other Compatible Pairings (Hotspot Rating from 0-5)

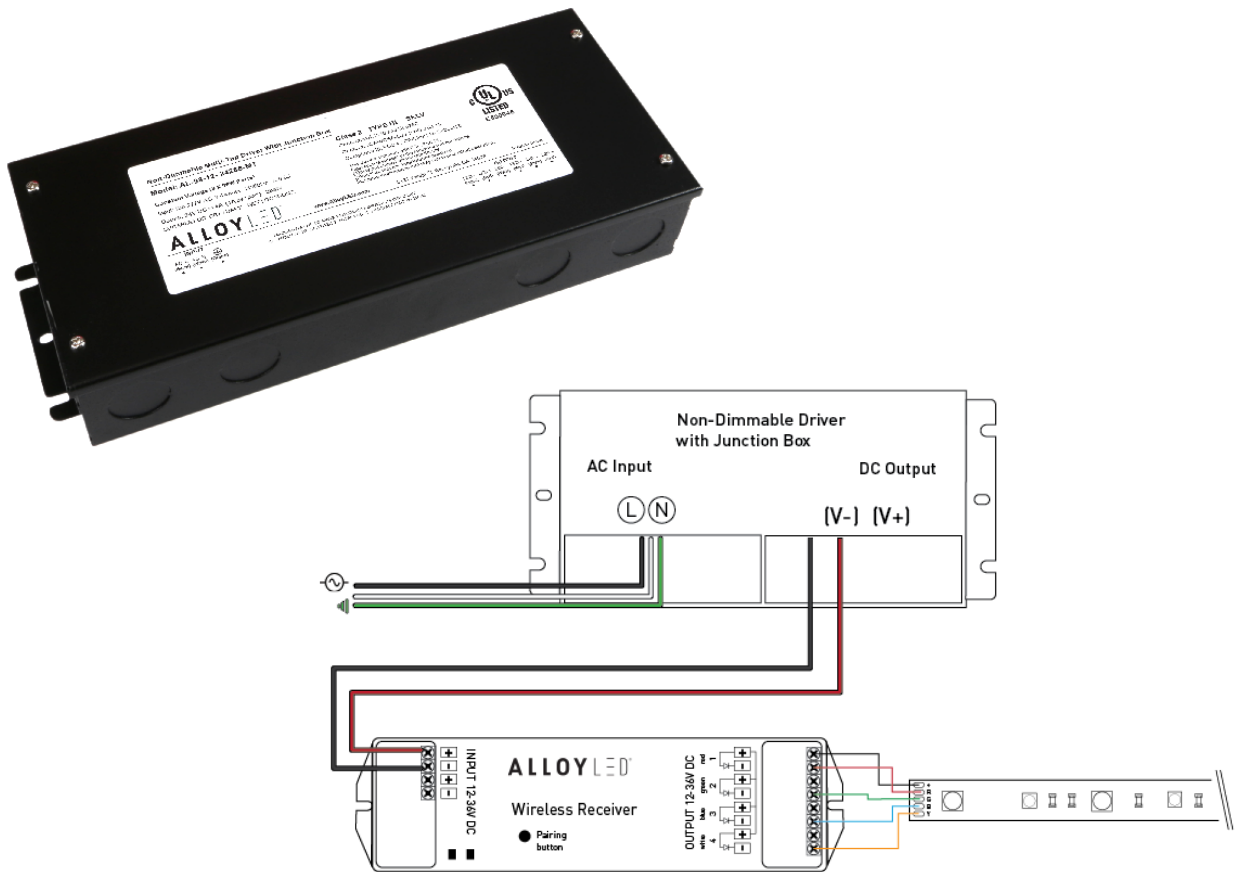
| | | |
|--|--|---|
| <p>Surfa 2X: Corner-Mount</p>  <p>Hotspot Rating: 2</p> <p><input type="checkbox"/> Solder <input checked="" type="checkbox"/> Connector <input type="checkbox"/> AmpChamp</p> | <p>Surfa 6: Surface-Mount</p>  <p>Hotspot Rating: 5</p> <p><input type="checkbox"/> Solder <input checked="" type="checkbox"/> Connector <input type="checkbox"/> AmpChamp</p> | <p>Surfa 6 Surround: Surface-Mount</p>  <p>Hotspot Rating: 3</p> <p><input type="checkbox"/> Solder <input checked="" type="checkbox"/> Connector <input type="checkbox"/> AmpChamp</p> |
| <p>Surfa 7: Surface-Mount</p>  <p>Hotspot Rating: 3</p> <p><input type="checkbox"/> Solder <input checked="" type="checkbox"/> Connector <input type="checkbox"/> AmpChamp</p> | <p>Ankr 3: In-Wall</p>  <p>Hotspot Rating: 3</p> <p><input type="checkbox"/> Solder <input checked="" type="checkbox"/> Connector <input type="checkbox"/> AmpChamp</p> | <p>Ankr 4: Mud-In</p>  <p>Hotspot Rating: 3</p> <p><input type="checkbox"/> Solder <input checked="" type="checkbox"/> Connector <input type="checkbox"/> AmpChamp</p> |
| <p>Duro 2: In-Ground</p>  <p>Hotspot Rating: 5</p> <p><input checked="" type="checkbox"/> Solder <input type="checkbox"/> Connector <input type="checkbox"/> AmpChamp</p> | <p>Naro 4: Recessed</p>  <p>Hotspot Rating: 5</p> <p><input checked="" type="checkbox"/> Solder <input type="checkbox"/> Connector <input type="checkbox"/> AmpChamp</p> | <p>Polymer: Surface-Mount</p>  <p>Hotspot Rating: 5</p> <p><input checked="" type="checkbox"/> Solder <input type="checkbox"/> Connector <input type="checkbox"/> AmpChamp</p> |

ALLOY LED® Specifications

RECOMMENDED POWER SUPPLIES (SOLD SEPARATELY)



Alloy LED PowerFactor™ Non-Dimmable Power Supplies with Integrated UL Listed Junction Box
Reliable, efficient low voltage power to RGB and RGBW color controllers and for use with white tape light on an on/off switch



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

120V-277V

NEMA 4X

99% POWER FACTOR

CLASS 2

WET LOCATION

DRY LOCATION

WARRANTY 6 YEARS

RoHS

UL LISTED

| Item Number | Output Voltage | Wattage | Wet Location | Minimum Load | Dimensions (Junction box) (L x W x H) | Class 2 |
|-------------------|----------------|---------|---------------|--------------|---------------------------------------|---------|
| AL-98-12-24030 | 24V DC | 30W | Yes (NEMA 4X) | 10% | 6.5 x 3.72 x 1.57 in. | Yes |
| AL-98-12-24060 | 24V DC | 60W | Yes (NEMA 4X) | 10% | 7.4 x 3.72 x 1.57 in. | Yes |
| AL-98-12-24080 | 24V DC | 80W | Yes (NEMA 4X) | 10% | 8.66 x 3.72 x 1.57 in. | Yes |
| AL-98-12-24096 | 24V DC | 96W | Yes (NEMA 4X) | 10% | 8.66 x 3.72 x 1.57 in. | Yes |
| AL-98-12-24192-MT | 24V DC | 2*96W | Yes (NEMA 4X) | 10% | 10.94 x 4.25 x 1.77 in. | Yes |
| AL-98-12-24288-MT | 24V DC | 3*96W | Yes (NEMA 4X) | 10% | 11.85 x 4.25 x 1.77 in. | 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.