Radialux® 5.9 Wet Location RGBW LED Tape Light

Actual size shown   Cut point every 4 in.   0.63 in. wide
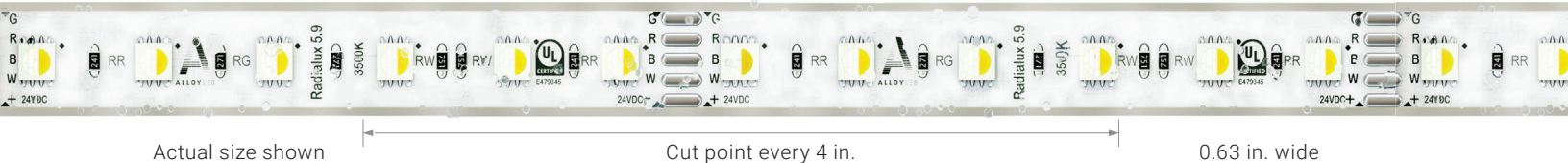
Alloy introduces the innovative new technology of the 4-in-1 5050A diode for RGBWlighting with the Radialux 5.9 RGBWTape Light. Traditional RGBWlighting alternates separate RGB 5050 and white chips. The new 4-in-1 5050A mixes R, G, B, and W in a single diode package for brighter light using fewer watts, with better blending.

- Innovative new 4-in-1 5050A diodes seamlessly blends colors
- Perfect brightness for large accenting, retail, bars, restaurants, hospitality, home theaters, and more
- Mix of white and RGB light provides both pastel and saturated color possibilities
- Outdoor and indoor use in areas with dust and foot traffic

TECHNICAL INFORMATION

|			
Color	RGB-W	Dimmable	Yes (with color controller)
Power Consumption Per Foot	5.85 Watts/240mA	Diode Type	4-in-1 5050A SMD
Input Voltage	24V DC	Mounting	3M™ Self-Adhesive Tape (Acrylic Foam), Mounting Clips (Included)
Diodes per foot	18		
Diode Spacing	0.65 inches	Operating Temperature	-13° F to 140° F
Tape Height	0.2 inches	Ambient Temperature	-40° F to 186° F
Beam Angle	120°	Spool Lengths*	16.4 ft.
Field Cuttable (UL 2108)	Every 4 inches	Environment	Indoor/Outdoor, Dry/Wet, IP68
Color Temperature	3500K (white)	Certifications	UL Listed, UL 2108, CE, RoHS
Max Run Length	16.4 ft.	Warranty	6 Year Limited

*Each spool includes 36 in., 20 AWG tinned lead wires at each end.

PRODUCT INFORMATION

Item Number	Length	MCD / ft.	RGB (Maximum)	Lumens
AL-02-06-2461	16.4 ft.		79,200	344

ACCESSORIES (INCLUDED)

1.13 in.

0.29 in.

0.47 in.
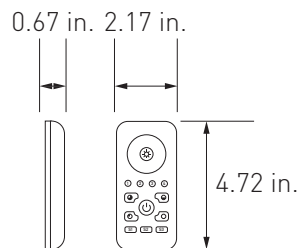
0.63 in.

0.29 in.

0.41 in.

0.63 in.

1.06 in.

0.21 in.

0.47 in.
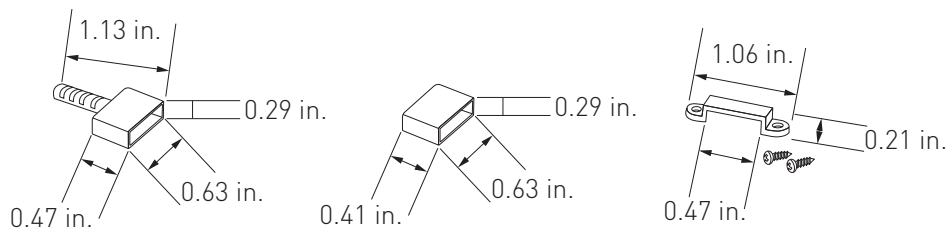
All spools include 5 splice sleeves, 10 waterproof end caps, and 10 mounting clips with 20 screws.
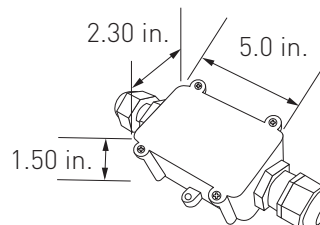
ACCESSORIES (SOLD SEPARATELY)

1.13 in. 2.94 in.

4.75 in.
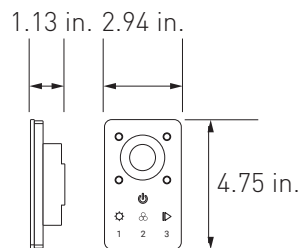
DMX Touch Wall Controller

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

0.67 in. 2.17 in.

4.72 in.

Wireless Remote Controller

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

2.30 in.

5.0 in.

1.50 in.

Waterproof Junction Box - 2 Ports / 5 Terminals

AL-98-05-99003-2

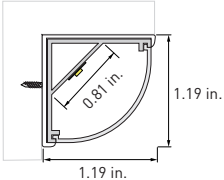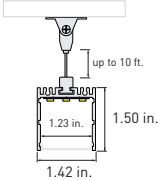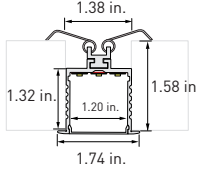*See our website for the full range of RGB/RGBWcontrollers and accessories.

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.

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Specifications subject to change without notice.

v4

COMPATIBLE CHANNELS (Diagrams below not to scale)

Reduced Hotspot Pairings (Hotspot Rating from 0-5)

Surfa 2X: Corner-Mount

0.81 in.
1.19 in.
1.19 in.

Hotspot Rating: 0
☒ Solder
☒ Connector
☐ AmpChamp

Suspan 1: Suspended

up to 10 ft.
1.23 in.
1.50 in.
1.42 in.

Hotspot Rating: 0
☒ Solder
☒ Connector
☐ AmpChamp

Ankr 2: In-Wall

1.38 in.
1.32 in.
1.20 in.
1.58 in.
1.74 in.

Hotspot Rating: 0
☒ Solder
☒ Connector
☐ AmpChamp

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v4

COMPATIBLE CHANNELS (Diagrams below not to scale)

Other Compatible Pairings (Hotspot Rating from 0-5)

Ankr 1: In-Wall

1.77 in.

0.83 in.

1.67 in.

2.36 in.

Hotspot Rating: 3

☒ Solder
☒ Connector
☐ AmpChamp

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v4
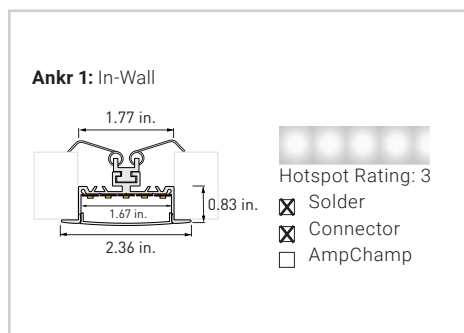
ALLOYLED® Specifications

RECOMMENDED POWER SUPPLIES (SOLD SEPARATELY)

ALLOY'S Ⓐ **TOP CHOICE**

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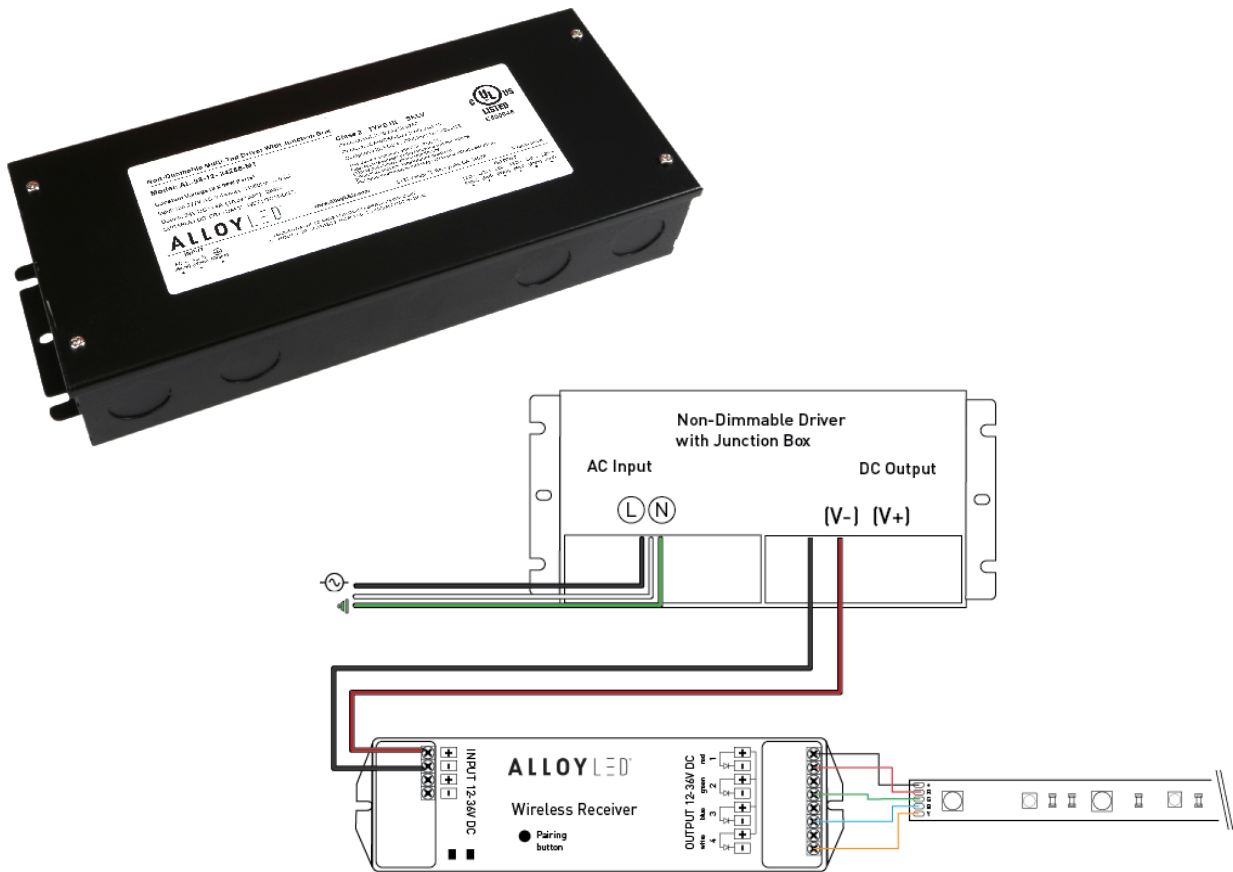
Wiring diagram is for reference only. Please refer to dimmer wiring specifications sheet for accurate directions.

120V–277V | NEMA 4X | 99% POWER FACTOR

CLASS 2 | WET LOCATION | DRY LOCATION

6 YEARS WARRANTY | RoHS | c(UL)us 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.

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Specifications subject to change without notice.

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