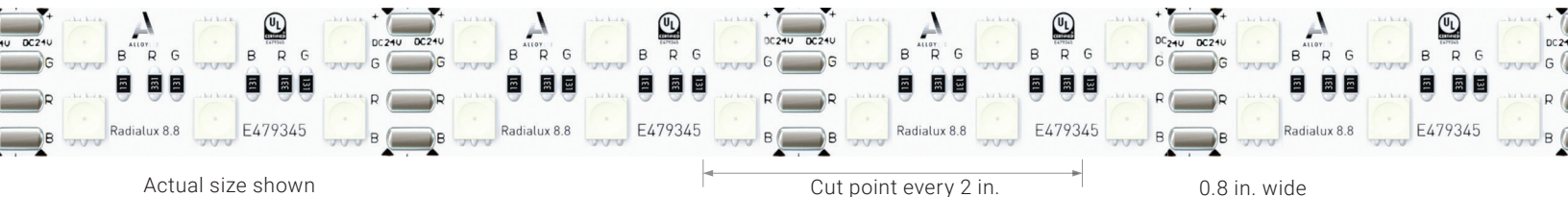


Radialux® 8.8 RGB LED Tape Light



Radialux offers color-changing linear lighting for any space that requires dynamic lighting effects and dramatic accenting. With the use of an RGB color controller, Radialux tape lights can change colors at your choice of speeds or display any static color in the spectrum. Radialux 8.8 provides super high-output color-changing lighting for larger applications, retail, and hospitality spaces.

- Large retail, hospitality, bar, restaurant, and entertainment applications
- Two rows of diodes make installation quick and easy
- Low profile is ideal for indirect lighting and reveals

TECHNICAL INFORMATION

Color	RGB
Power Consumption Per Foot	8.8 Watts/360mA
Input Voltage	24V DC
Diodes per foot	36
Diode Spacing	0.65 inches
Tape Height	0.1 inches
Beam Angle	120°
Field Cuttable (UL 2108)	Every 2 inches
Max Run Length	20 feet
Dimmable	Yes (with color controller)

Diode Type	5050 SMD
Mounting	3M™ Self-Adhesive Tape (Non-porous)
Operating Temperature	-13° F to 140° F
Ambient Temperature	-40° F to 186° F
Spool Lengths	8 ft.*, 20 ft.**
Environment	Indoor, Dry
Certifications	UL Listed, UL 2108, CE, RoHS
Warranty	6 Year Limited

*Each 8 ft. spool includes 8 ft., 20 AWG tinned lead wires at each end.

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

PRODUCT INFORMATION

Item Number	Length	Voltage	Lumens
AL-02-13-2401	8 ft.	24V DC	349
AL-02-13-2421	20 ft.	24V DC	

VOLTAGE DROP GUIDANCE CHART

Standard Non-XT 24V Voltage Drop and Wire Length Distance Chart (3% Drop or 24V)

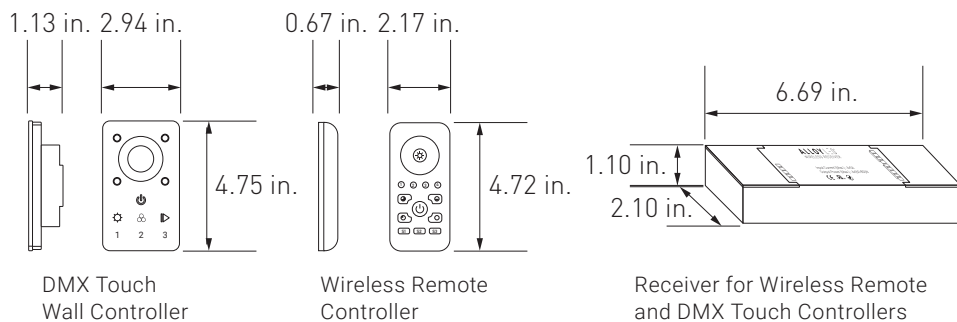
Wire Gauge	Copper Wire Resistance (Ω/kFT)	10W (0.42A)	20W (0.83A)	30W (1.25A)	40W (1.67A)	50W (2.08A)	60W (2.50A)	70W (2.92A)	80W (3.33A)	90W (3.75A)	96W (4A)
22 AWG	16.14	54 ft.	27 ft.	18 ft.	14 ft.	11 ft.	9 ft.	8 ft.	7 ft.	6 ft.	6 ft.
20 AWG	10.15	86 ft.	43 ft.	29 ft.	22 ft.	18 ft.	15 ft.	13 ft.	11 ft.	10 ft.	9 ft.
18 AWG	6.39	136 ft.	68 ft.	46 ft.	34 ft.	28 ft.	23 ft.	20 ft.	17 ft.	16 ft.	15 ft.
16 AWG	4.02	216 ft.	108 ft.	72 ft.	54 ft.	44 ft.	36 ft.	31 ft.	27 ft.	24 ft.	23 ft.
14 AWG	2.53	343 ft.	172 ft.	115 ft.	86 ft.	69 ft.	58 ft.	49 ft.	43 ft.	39 ft.	36 ft.
12 AWG	1.59	545 ft.	273 ft.	182 ft.	137 ft.	109 ft.	91 ft.	78 ft.	69 ft.	61 ft.	57 ft.
10 AWG	0.99	865 ft.	433 ft.	289 ft.	217 ft.	173 ft.	145 ft.	124 ft.	109 ft.	97 ft.	91 ft.

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

ACCESSORIES (SOLD SEPARATELY)

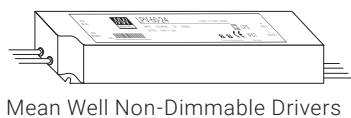
Recommended Accessories

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



Item Number	Description
AL-60-03-0002*	Wireless Remote Controller
AL-60-03-0003*	DMX Touch Wall Controller
AL-60-03-0004-V2	Receiver for Wireless Remote and DMX Touch Controllers

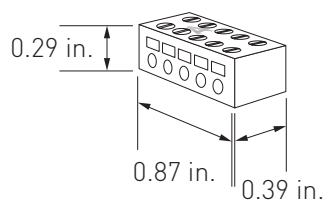
*Use with the Wireless Receiver AL-60-03-0004-V2 (sold separately)



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.

ACCESSORIES (SOLD SEPARATELY)

AmpChamp: For a more secure connection



Accepts many combinations of tape and wire. Includes one mounting clip, 3M® adhesive backing, and pre-attached 6 inch in-wall-rated 18 AWG lead wire.

Straight AmpChamp

AL-02-13-9900

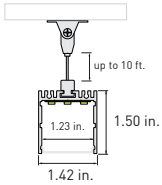
AL-02-13-9900-10 (10-pack)

AL-02-13-9900-100 (100-pack)

COMPATIBLE CHANNELS (Diagrams below not to scale)

Reduced Hotspot Pairings (Hotspot Rating from 0-5)

Suspan 1: Suspended

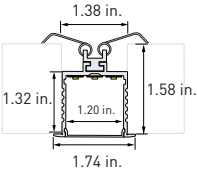


up to 10 ft.
1.23 in.
1.50 in.
1.42 in.

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

ALLOY LED® Specifications

COMPATIBLE CHANNELS (Diagrams below not to scale)

Other Compatible Pairings (Hotspot Rating from 0-5)

Ankr 1: In-Wall

Hotspot Rating: 4

- ☒ Solder
- ☐ Connector
- ☒ AmpChamp

Surfa 2X: Corner-Mount

Hotspot Rating: 2

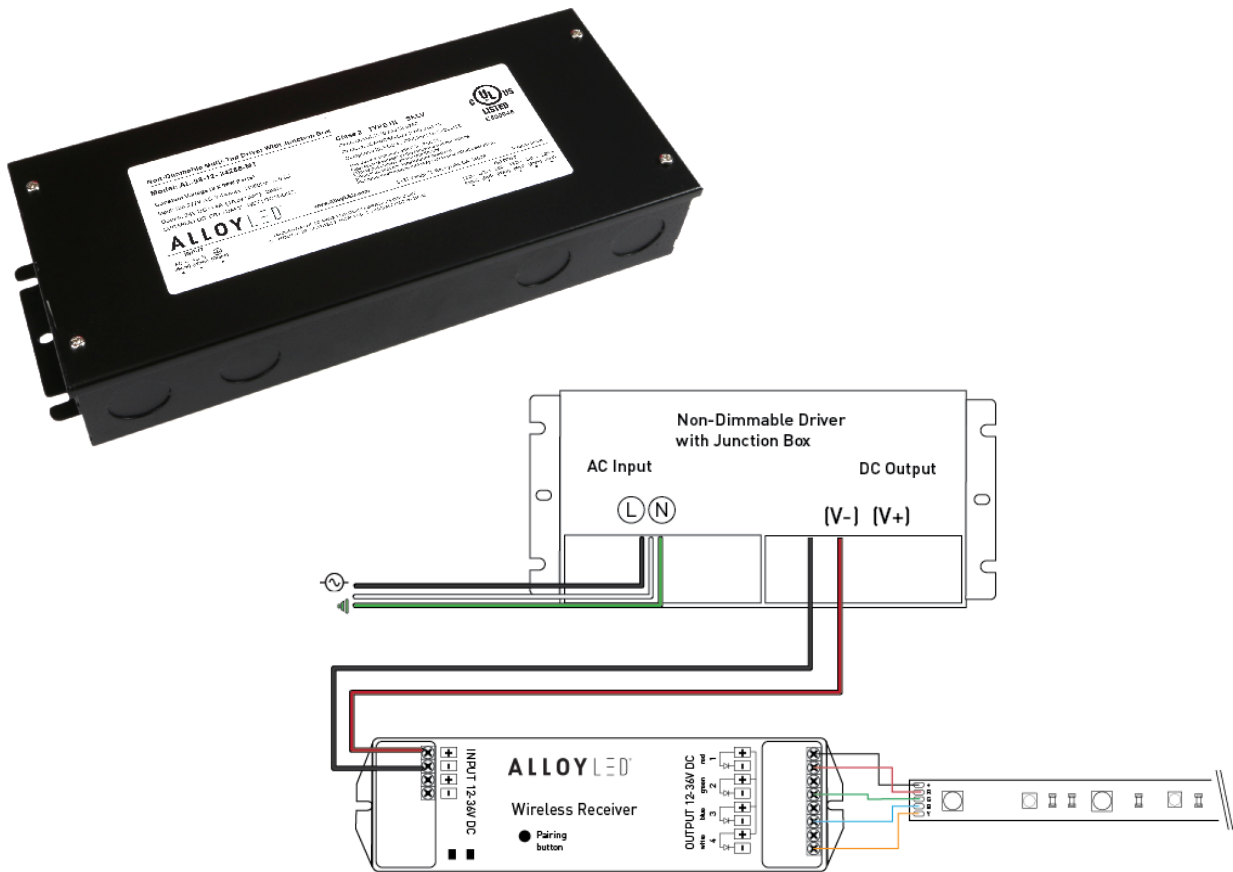
- ☒ Solder
- ☐ Connector
- ☒ AmpChamp

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.