

### 6.0 VARIABLE WHITE DOUBLE ROW RIBBONLYTE

This LED tape is twice as nice! Variable White Double Row RibbonLyte provides powerful light output for our widest channels. Doubling the number of diodes helps light blend for superior dot-free solutions. Design custom channel fixtures with our aluminum extrusions and Variable White Double Row RibbonLyte that lets you tune your light for brightness and CCT!

- Variable White (2000K-6500K)
- 84 LEDs/ft (280 LEDs/m)
- 1.97 in. (50 mm) cut lengths
- IP20 for interior use
- Provides premium blending for consistent color and brightness
- 6.0 W/ft (19.7 W/m)
- All on: 42 lm/W
- All on: 250.2 lm/ft (820.66 lm/m)

#### Applications:

Commercial	Hospitality	Residential
Entertainment	Museums	Retail
Healthcare	Public Spaces	

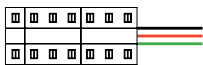


### ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color
RB	0	VWDR20	6.0VW
RB - Ribbonlyte	0 - Color Changing	VWDR20 - VW Double Row IP20	6.0VW - 6.0 W/ft (19.7 W/m) Variable White

### CONNECTION OPTIONS

#### 1. End Feed Bare Wire Connection (Default Option)



#### 2. IP67 Connector Input



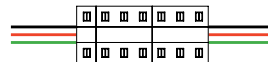
#### 3. Soldered Daisy Chain



#### 4. Daisy Chain with IP67 Connectors



#### 5. Bare Wire on Both Ends



#### Standard cable length if not specified:

1. 12 in. cable with bare wire (custom length up to 20 feet)
2. Standard 12 in. cable with IP67 connectors (custom length up to 10 feet)
3. Daisy chain with 3 in. cable between runs (custom length up to 36 in.)
4. 3 in. cable between IP67 connector and RibbonLyte (custom length up to 18 in.)
5. Standard 12 in. cable with bare wire (custom length up to 10 feet)

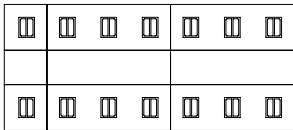

### AVAILABLE COLOR TEMPERATURES



VW

SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

6.0 VARIABLE WHITE DOUBLE ROW RIBBONLYTE			
Operating Voltage	24 V		
Color Temperature	2000K - 6500K		
	Warm White (2000K)	Cool White (6500K)	All On
Power Consumption	3 W/ft (9.84 W/m)	3 W/ft (9.84 W/m)	6 W/ft (19.7 W/m)
Lumens	121 lm/ft (396.88 lm/m)	142 lm/ft (465.76 lm/m)	250.2 lm/ft (820.66 lm/m)
Efficacy	40 lm/W	47 lm/W	42 lm/W
Current (mA)	250 mA/ft (820 lm/m)		
LED Pitch	84 LEDs/ft (280 LEDs/m)		
Protection Rating	IP20		
Dimming/Control	DMX / 0-10V with Dimming Module		
Operating Temperature	-22° F to 140° F (-30° C to 60° C)		
MacAdam Ellipses (SDCM)	2-Step Binning		
Binning Tolerance	+/- 100K		
LED Beam Angle	120°		
Lamp Life	43,000 hrs L70 @ 131° F (55° C)		
Cutable Length	1.97 in. (50mm)		
Constant Voltage	✓		
Cable Length	12 in (30.5 cm)		
Certifications	UL 2108 Issued: 2016/06/17 Ed: 1 Rev: 2021/10/16 Low Voltage Lighting Systems. CSA C22.2 No. 250.0, General Requirements for Luminaires. ROHS compliant. CE		

24V DIMENSIONS	Top View	Side View	Dimensions
IP20			<b>Width</b> 0.87 in. (22 mm) <b>Max Length</b> 45 ft 11 in. (14 m) <b>Height</b> 0.09 in (2.3 mm)
	CUTTABLE EVERY: 1.97 in. (50 mm)		

OPTIONAL ACCESSORY

 <p>0-10V Dimmable 90W VW/WD Driver Part Number: DRVRFWDVW2490120</p>	 <p>1 in. VHB Tape** Provides superior holding power in surface mounted applications Part Number: VHBTAPE1.0BK</p>
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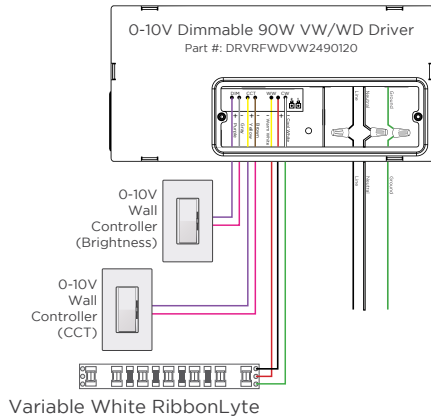
**EXAMPLE:** When calculating supported loads with this module and 6.0 Variable White RibbonLyte (6.0 W/ft), you can divide the module's total rated power of 96W by half of the RibbonLyte's wattage per foot to get the total length supported.  $96 / 3 = 32$  ft of RibbonLyte.

\*\* RibbonLyte comes with an adhesive backing, but Acolyte recommends using VHB Tape for extra support in surface mounted applications.



WIRING DIAGRAMS

2-CHANNEL VARIABLE WHITE DIMMING

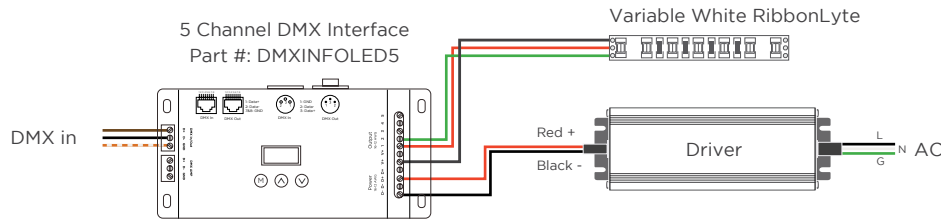


WIRE COLORS PER RIBBONLYTE COLOR

VARIABLE WHITE

- Black Wire (+) Positive
- Red Wire (-) Warm Channel
- Green Wire (-) Cool Channel

DMX WIRING DIAGRAM - COMPATIBLE WITH ALL MODELS OF VARIABLE WHITE RIBBONLYTE



ACTUAL POWER CONSUMPTION

Length (ft)	Length (m)	Actual Power Consumed (W)	Average Wattage (W/ft)	Average Wattage (W/m)	Actual Current Drawn (A)
5	1.52	29.12	5.82	19.10	1.213
10	3.05	57.88	5.79	18.98	2.412
15	4.57	85.91	5.73	18.79	3.580
20	6.10	112.86	5.64	18.51	4.703
25	7.62	138.40	5.54	18.16	5.767
30	9.15	162.20	5.41	17.73	6.758
35	10.67	188.06	5.37	17.62	7.836
40	12.20	207.02	5.18	16.98	8.626
45	13.72	223.40	4.96	16.28	9.308
45.9	13.99	226.34	4.93	16.17	9.431