

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 | |

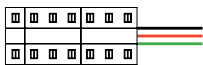


ORDERING GUIDE

| 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



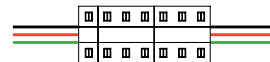
3. Soldered Daisy Chain



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)

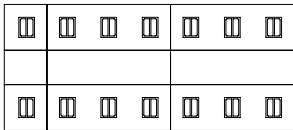

AVAILABLE COLOR TEMPERATURES



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 |  |  | Width 0.87 in. (22 mm) Max Length 45 ft 11 in. (14 m) Height 0.09 in (2.3 mm) |
| | CUTTABLE EVERY: 1.97 in. (50 mm) | | |

OPTIONAL ACCESSORY

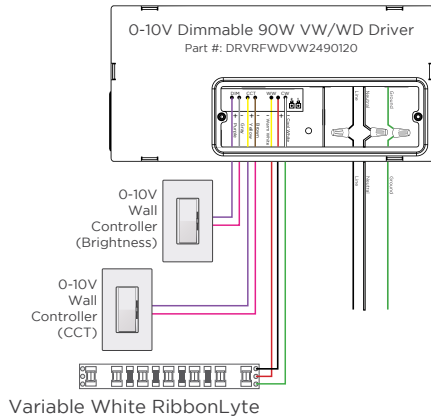
| | |
|--|---|
|  <p>0-10V Dimmable 90W VW/WD Driver Part Number: DRVRFWDVW2490120</p> |  <p>1 in. VHB Tape** Provides superior holding power in surface mounted applications Part Number: VHBTAPE1.0BK</p> |
|--|---|

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

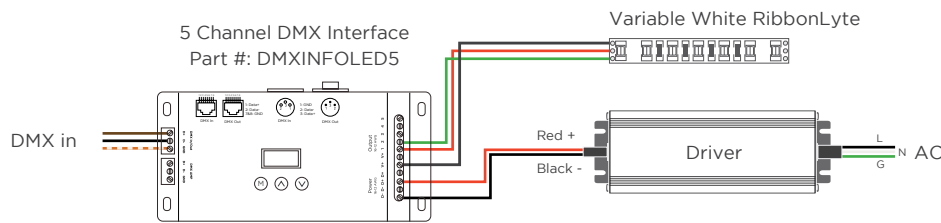
VARIABLE WHITE

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 |

NOTE: Quotes use nominal values. We highly recommend using nominal wattages for all customer calculations. Allow for a 15% buffer (10% driver, 5% fixture) in these calculations as performance may vary. Acolyte is not liable for product performance if these tables are used instead of nominal values when orders are placed.