



Date \_\_\_\_\_ Project \_\_\_\_\_

Notes \_\_\_\_\_

## 12.0 VARIABLE WHITE DOUBLE ROW RIBBONLYTE

This LED tape is twice as nice! Variable White Double Row RibbonLyte provides powerful 90+ CRI 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



### Applications:

- |               |               |             |
|---------------|---------------|-------------|
| Commercial    | Hospitality   | Residential |
| Entertainment | Museums       | Retail      |
| Healthcare    | Public Spaces |             |



**RoHS IP20**



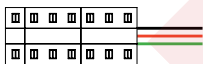
**⚠ Product is in final stages of development. Specifications are preliminary targets subject to change before product launch.**

## ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color
RB	0	VWDR20	12.0VW
RB - Ribbonlyte	0 - Color Changing	VWDR20 - VW Double Row IP20	12.0VW - 12.0 Variable White

## CONNECTION OPTIONS

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



### 2. IP67 Connector Input



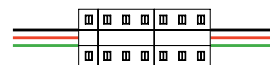
### 3. Soldered Daisy Chain



### 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

12.0 VARIABLE WHITE DOUBLE ROW RIBBONLYTE	
Operating Voltage	24 V
Power Consumption	12.2 W/ft (40.0 W/m)
Current (mA) - 24V	538.9 mA/ft (1766.8 m/A/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)
Color Temperatures	2000K - 6500K
MacAdam Ellipses (SDCM)	2-Step Binning
Maximum Light Output	831 lm/ft (2722 lm/m) all LEDs on
Binning Tolerance	+/- 100K
LED Beam Angle	120°
Lamp Life	43,000 hrs L70 @ 131° F (55° C)
Cutable Length	1.97 in. (50mm)
Lumens/Watt	68.1 lm/W
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 UL 2108.

24V DIMENSIONS    Top View    Side View    Dimensions



VARIABLE WHITE DIMMING MODULE (Part #: VWDIMMOD) - COMPATIBLE WITH 12.0 VARIABLE WHITE DOUBLE ROW RIBBONLYTE



1 dimming module required per 30 ft (9.1 m)

USAGE GUIDELINES

- When installing this product take into account the surface temperature of the material this product is mounted to. Many building surfaces which are exposed to direct sunlight exceed the 140 °F (60 °C) maximum that our product is rated for. High risk locations like this should be avoided.
- Please refer to our RibbonLyte Proper Use Guide in our *Application Guide* for more information. Available for download at [www.GENLEDBrands.com/Acolyte](http://www.GENLEDBrands.com/Acolyte).
- Compatible with a wide variety of control products including the entire line of Lutron dimming systems.
- For use with Acolyte drivers, 0-10V dimming modules and interface controllers (DMXINF models).
- Use with non-Acolyte supplied drivers is not supported or warrantied.
- Due to the nature of the product, RibbonLyte cuttable lengths are generally longer or shorter than the customer requested length. Unless specified, RibbonLyte is factory cut at the shorter cuttable point.
- We reserve the right to make changes to product lineup, specifications, design and finishes at any time without notice.

Acolyte does not warrant or represent that the information is free from errors or omission. The information may change without notice and Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

CHANNEL COMPATIBILITY / CHANNEL OPTIONS

CHANNEL	IP20	SURFACE MOUNTED CHANNELS							
		LENS OPTIONS: C - Clear F - Frosted K - Black M - Milky NP - Narrow Prismatic WP - Wide Prismatic RM - Round Milky SM - Square Milky							
AC1									
AC2									
AC3									
AC4									
AC5									
AC14									
AP1									
AR1									
AR2									
AR3									
AR5									
AR8									
AR10									
AR14									
AR16									
AR20									
AR23									
AR25	✓								
AR30	✓								
AR33	✓								
AS1									
AS2									
AS3									
AS6									
AS10									
AS12									
AS13	✓								
AS14									
AS16									
AS20G									
AS23									
AS28	✓								
AS30	✓								
AS53	✓								
AT4									
AT5									
AT11									
AW10									
AW12									
AW14									
AW35									
AW38									
AW40									
B1									
B2									
C22									
GL1									
GL2									
ROUND									
ROUND12									
ROUND20									
SC1									
SC2									
SC3									
SC4	✓								
SC5	✓								
SC6									
SC-CORNER1									
SC-CORNER2									
ST10									
W31									
WH35									

RECESSED CHANNELS	
	LENS OPTIONS: C - Clear F - Frosted K - Black M - Milky NP - Narrow Prismatic WP - Wide Prismatic RM - Round Milky SM - Square Milky
AR25	C, M, K, RM, SM
AR30	C, M, K, RM, SM
AR33	M, NP, WP
SC4	M, K, RM, SM
SC5	M, K, RM, SM

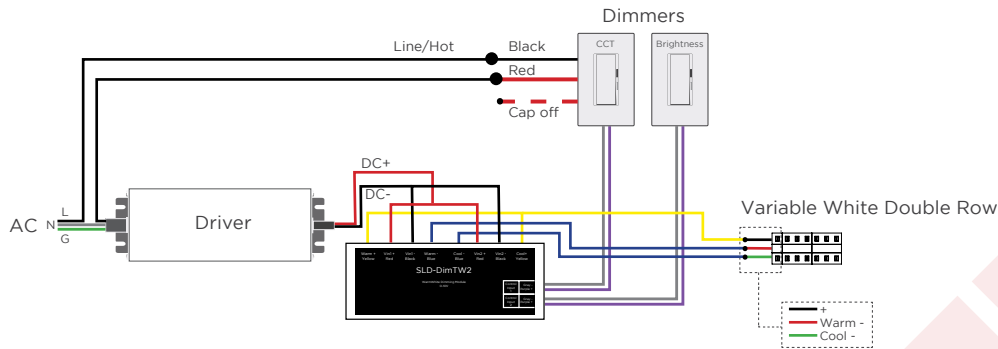
  

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WIRING DIAGRAMS

2-CHANNEL DIMMING WIRING DIAGRAM



\* 0-100% flicker-free performance not guaranteed when used with non-Acolyte Drivers

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

