

## WARM DIM 5.2 RIBBONLYTE

Warm Dim RibbonLyte uses dual chip LEDs to gradually dim from 2900K at full brightness to 2000K before switching off - just like an incandescent lamp! A 0-10V dimmer or dimming system, a 24V driver, Warm Dim Module, and Warm Dim RibbonLyte is all you need.

Excellent color mixing, tight LED spacing, and a smooth dimming gradient make Warm Dim RibbonLyte a great replacement for incandescent lighting.

- Use with our channel profiles to create a custom fixture
- 0-10V dimmable
- 2-in-1 dual chip 3527 LEDs  
(IP20: 2900K + 2000K, IP65/IP68: 2700K + 2100K)
- 5.2 W/ft (17 W/m)
- 24 Volt input
- 36 LEDs/ft (120 LEDs/m)
- Cuttable every 3.94 in (100 mm)
- Warm Dim Module required
- Closet rated (standalone or surface channels)

### Applications:

Commercial  
Entertainment  
Healthcare

Hospitality  
Museums  
Public Spaces

Residential  
Retail



**RoHS**

**IP20**

**IP65**

**IP68**

## ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color
<b>RB</b>	<b>0</b>		
RB - RibbonLyte	0 - Color Changing	WD20 - Warm Dim IP20 WD65 - Warm Dim IP65 WD68 - Warm Dim IP68	5.22920 - 5.2 W/ft 2900K-2000K 5.22721 - 5.2 W/ft 2700K-2100K

## 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)

Note: IP67 connectors are used for both IP20 and IP65/IP68 RibbonLyte

## AVAILABLE COLOR TEMPERATURES






WD

SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

	WARM DIM 5.2 RIBBONLYTE				
Operating Voltage	24 V				
Power Consumption	5.2 W/ft (17 W/m)				
Current (mA) - 24V	217 mA/ft (711 mA/m)				
LED Pitch	36 LEDs/ft (120 LEDs/m)				
Protection Rating	IP20, IP65, IP68				
Dimming	0-10V				
Operating Temperature	-40° C to 70° C				
Color Temperatures	2900K/2000K (IP20), 2700/2100 (IP65/IP68)				
MacAdam's Ellipses (SDCM)	3-step binning				
Lumens	288 lm/ft (945 lm/m) LEDs at 100%				
Binning Tolerance	+/- 150K				
LED Beam Angle	120°				
Lamp Life	50,000 Hours				
Cutable Length - 24V	3.94 in (100 mm)				
CRI	80+				
Max Length*	16.4 ft (5 m)				
Lumens/Watt	55 lm/W				
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. Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5).				
Constant Voltage	✓				
Percent Light Intensity / CCT	100% Brightness	75% Brightness	50% Brightness	25% Brightness	1% Brightness
CCT for IP20	2900K	2700K	2450K	2225K	2000K
CCT for IP65/IP68	2700K	2550K	2400K	2250K	2100K

24V DIMENSIONS	Top View	Side View	Dimensions
IP20	 <p>CUTTABLE EVERY: 3.94 in (100 mm)</p>		Width 0.39 in (10 mm) Max Length* 16.4 ft (5 m) Height 0.09 in (2.3 mm)
IP65	 <p>CUTTABLE EVERY: 3.94 in (100 mm)</p>		Width 0.39 in (10 mm) Max Length* 16.4 ft (5 m) Height 0.125 in (3.2 mm)
IP68	 <p>CUTTABLE EVERY: 3.94 in (100 mm)</p>		Width 0.52 in (13.2 mm) Max Length* 16.4 ft (5 m) Height 0.19 in (4.8 mm)

OPTIONAL ACCESSORY

0.5 in. VHB Tape	Flat Mounting Clip	Silicone Clip
 <p>Provides superior holding power in surface mounted applications Part Number: VHBTAPE0.5BK</p>	 <p>For mounting IP20/IP65 RibbonLyte Part Number: RBMNTSIL</p>	 <p>For mounting IP68 RibbonLyte Part Number: RBMNTSILW</p>

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

## DIMMER COMPATABILITY

### LUTRON 0-10V DIMMERS 5.2

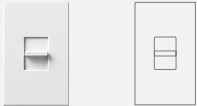
DIVA



Acolyte Part Number:  
LVDIMDIVA-WHITE

Lutron Part Number:  
DVSTV-WH

NOVA T



Acolyte Part Number:  
LVDIMNOVA-WHITE

Lutron Part Number:  
NTSTV-DV-WH

### DUAL DIMMING MODULE

RBWD



Acolyte Part Number:  
VWDIMMODBCC

Dimensions:  
6.2 in. x 1.18 in. x 0.78 in. (157.36 x 29.89 x 19.76 mm)

**NOTE:** When using this RibbonLyte with the VWDIMMODBCC Dual Dimming Module, for the 0-10V dimmer that controls color temperature NOT to affect the brightness, the output power should not exceed the max power for either (single) of the two color temperatures. When pairing Variable White or Warm Dim RibbonLyte with this module, the RibbonLyte power consumption should never exceed 50% of the max rated power.




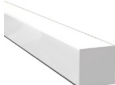









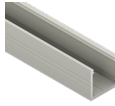







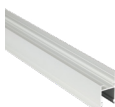















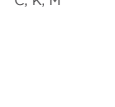


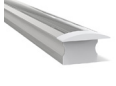










**EXAMPLE:** When calculating supported loads with this module and 6.0 Variable White RibbonLyte (6.0 W/ft), you can divide the module's total rated power of 96W by half of the RibbonLyte's wattage per foot to get the total length supported.  $96 / 3 = 32$  ft of RibbonLyte.

## USAGE GUIDELINES

- IP65 and IP68 RibbonLyte cannot be cut in the field. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of the waterproofing will result in a void warranty.
- When installing this product, consider the surface temperature of the material where it will be mounted. Many building surfaces which are exposed to direct sunlight exceed the 70° C / 158° F maximum for which our product is rated. High-risk locations like this should be avoided.
- IP20 RibbonLyte products are for indoor use in dry areas. IP65 RibbonLyte products can be used in indoor dry/damp locations such as bathrooms and kitchens. IP68 RibbonLyte products can be used in wet, outdoor locations around pools and spa tubs, but our products are not intended to be submerged in pools and fountains and do not carry UL676 certification to do so.
- Please refer to the RibbonLyte Proper Usage Guide in our Application Guide for more information. Available for download at [AcolyteLED.com](http://AcolyteLED.com).
- This product is 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 RibbonLyte products, 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 IP65	IP68	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										

**DISCLAIMER**

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 70°C/158°F maximum that our product is rated for. High risk locations like this should be avoided. Our IP68 product is not intended to be submerged in pools and fountains and does not carry UL676 certification to do so.

WIRING DIAGRAMS

