

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
- Available in IP20 and IP69
- 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

Applications:

Commercial
Entertainment
Healthcare

Hospitality
Museums
Public Spaces

Residential
Retail



RoHS

IP20

IP65

IP68

Declare.



ORDERING GUIDE

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

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

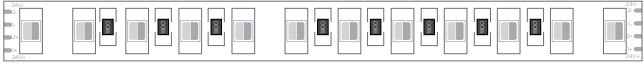


WD

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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	0-10 V, DALI				
Operating Temperature	-40 — 158 °F (-40 — 70 °C)				
Color Temperatures	2900K/2000K (IP20), 2700/2100 (IP65/IP68)				
MacAdam ellipse (SDCM)	3-step binning				
Lumens	288 lm/ft (945 lm/m) LEDs at 100%				
Binning Tolerance	+/- 150K				
LED Beam Angle	120°				
Lifetime (L70 reported)	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. CE				
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	 CUTTABLE EVERY: 3.94 in (100 mm)		Width 0.39 in (10 mm) Max Length 16.4 ft (5 m) Height 0.09 in (2.3 mm)
IP65	 CUTTABLE EVERY: 3.94 in (100 mm)		Width 0.39 in (10 mm) Max Length 16.4 ft (5 m) Height 0.125 in (3.2 mm)
IP68	 CUTTABLE EVERY: 3.94 in (100 mm)		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
 Provides superior holding power in surface mounted applications Part Number: VHBTAPE0.5BK	 For mounting IP20/IP65 RibbonLyte Part Number: RBMNTSIL	 For mounting IP68 RibbonLyte Part Number: RBMNTSILW

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

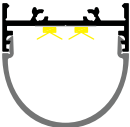
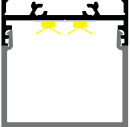
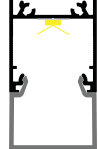
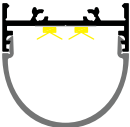
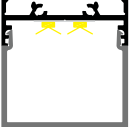
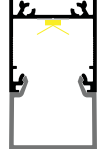
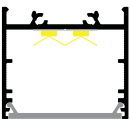
USAGE GUIDELINES

- 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.
- 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 warranted.
- 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.

CHANNEL COMPATIBILITY / CHANNEL OPTIONS

CHANNEL	IP20 IP65	IP68	SURFACE CHANNELS						
AC1	✓								
AC2	✓								
AC3	✓								
AC4	✓	✓							
AC5	✓	✓							
AR1	✓								
AR3	✓	✓							
AS1	✓								
AS2	✓								
AS3	✓	✓							
AS5	✓								
AS6	✓	✓							
AS10									
AS11	✓								
AS13	✓	✓							
AS16	✓	✓							
AS18	✓	✓							
AS20G	✓								
AS23	✓	✓							
AS30	✓	✓							
AS53									
AT4	✓	✓							
AT5	✓	✓							
B1	✓	✓							
SC3	✓	✓							
WH35	✓	✓							

SURFACE CHANNELS

											
AS1	AS2	AS3	AS5	AS6	AS11						
W: 0.68 in. / 17.2 mm H: 0.34 in. / 8.6 mm Inside W: 0.48 in. / 12.2 mm	W: 0.7 in. / 17.8 mm H: 0.6 in. / 15.2 mm Inside W: 0.49 in. / 12.5 mm	W: 0.93 in. / 23.6 mm H: 0.42 in. / 10.7 mm Inside W: 0.81 in. / 20.6 mm	W: 0.76 in. / 19.4 mm H: 0.43 in. / 11 mm Inside W: 0.47 in. / 12 mm	W: 0.89 in. / 22.5 mm H: 0.62 in. / 15.7 mm Inside W: 0.71 in. / 18 mm	W: 0.52 in. / 13.1 mm H: 0.54 in. / 13.7 mm Inside W: 0.41 in. / 10.5 mm						
											
AS16	AS13 / round lens	AS13 / square lens	AS18	AS20G	AS23	AS23 / square lens					
W: 0.74 in. / 18.8 mm H: 0.73 in. / 18.6 mm Inside W: 0.65 in. / 16.4 mm	W: 1.31 in. / 33.4 mm H: 1.29 in. / 32.7 mm Inside W: 1.22 in. / 31 mm	W: 1.31 in. / 33.4 mm H: 1.37 in. / 34.8 mm Inside W: 1.22 in. / 31 mm	W: 0.92 in. / 23.4 mm H: 1.1 in. / 27.8 mm Inside W: 0.73 in. / 18.6 mm	W: 0.61 in. / 15.5 mm H: 0.71 in. / 18 mm Inside W: 0.48 in. / 12.3 mm	W: 0.91 in. / 23 mm H: 0.99 in. / 25.1 mm Inside W: 0.83 in. / 18.2 mm	W: 0.91 in. / 23 mm H: 1.59 in. / 40.5 mm Inside W: 0.83 in. / 18.2 mm					
											
AS30	AT4	AT5	B1	WH35							
W: 1.31 in. / 33.4 mm H: 1.17 in. / 29.6 mm Inside W: 1.17 in. / 29.8 mm	W: 0.77 in. / 19.6 mm H: 0.74 in. / 18.8 mm Inside W: 0.66 in. / 16.8 mm	W: 0.77 in. / 19.6 mm H: 0.74 in. / 18.8 mm Inside W: 0.66 in. / 16.8 mm	W: 0.77 in. / 19.6 mm H: 0.26 in. / 6.5 mm Inside W: 0.69 in. / 17.6 mm	W: 1.37 in. / 35 mm H: 1.47 in. / 37.5 mm Inside W: 1.23 in. / 31.2 mm							

CORNER CHANNELS

				
AC1	AC2	AC3	AC4	AC5
W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm Inside W: 0.48 in. / 12.2 mm	W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm Inside W: 0.48 in. / 12.2 mm	W: 0.74 in. / 18.8 mm H: 0.74 in. / 18.8 mm Inside W: 0.48 in. / 12.2 mm	W: 1.18 in. / 30 mm H: 1.18 in. / 30 mm Inside W: 0.77 in. / 19.6 mm	W: 1.18 in. / 30 mm H: 1.18 in. / 30 mm Inside W: 0.77 in. / 19.6 mm

RECESSED CHANNELS

	
AR1	AR3
W: 0.9 in. / 22.9 mm H: 0.31 in. / 7.87 mm Inside W: 0.49 in. / 12.5 mm	W: 1.2 in. / 30.5 mm H: 0.39 in. / 9.9 mm Inside W: 0.81 in. / 20.6 mm

MUD-IN CHANNELS


SC3
W: 2.62 in. / 66.6 mm H: 0.55 in. / 14 mm Inside W: 0.69 in. / 17.5 mm

DIMMER

0-10V Dimmable 90W VW/WD Driver

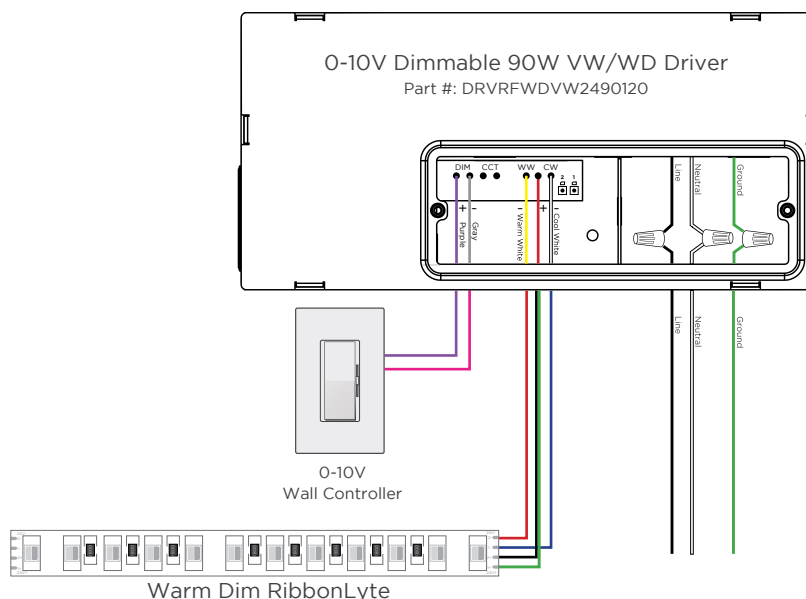
0-10 V



Acolyte Part Number:
DRVRFWDVW2490120

Dimensions:
8.4 x 4.1 x 1.5 in. (213 x 104 x 38 mm)

WIRING DIAGRAMS



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	26.01	5.20	17.06	1.084
10	3.05	50.73	5.07	16.64	2.114
15	4.57	71.28	4.75	15.59	2.970
16.4	5.00	76.06	4.64	15.21	3.169

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.

REV.24NOV2025

GLOBAL HQ

320 Murray Hill Pkwy
East Rutherford, NJ 07073
U.S.
T: (+1) 212 629 6830
E: Sales-US@GENLEDBrands.com

EUROPEAN HQ

Hogeweyselaan 119
1382 JK Weesp
Netherlands
T: (+31) 346 235 000
E: SalesEurope@GENLEDBrands.com

MEINA HQ

PO Box 371378, #823, Building 4EA
Dubai Airport Free Zone
Dubai, UAE
T: (+971) 4 701 7901
E: SalesMEINA@genledbrands.com

ASIA-PACIFIC HQ

Room 402, Building D
Shenshi Tongchuang Science and Technology Park
No. 16 Hongyin Road
Xingqiang Community, Xinhua Street
Guangming District, Shenzhen, China 518107
T: (+86) 755 8529 0710
E: Sales-Pacific@GENLEDBrands.com