

WARM DIM 5.2 RIBBONLYTE

Warm Dim RibbonLyte features dual chip LEDs designed to add warm white light as the ribbon dims from full brightness. IP20 Warm Dim RibbonLyte is available in two ranges: 2900K-2000K and 3000K-1800K; IP65, IP68 and IP69 Warm Dim RibbonLyte is available in 2700K-2100K. Use Warm Dim RibbonLyte with our channel extrusions to create custom fixtures. Excellent color mixing, tight LED spacing and a smooth dimming gradient make Warm Dim RibbonLyte a great replacement for incandescent lighting.

- 2-in-1 dual-chip LEDs add warm white as they dim
- 5.2 W/ft (17 W/m)
- 0-10V dimmable
- IP20: 2900K-2000K or 3000K-1800K
IP65/IP68/IP69: 2700K-2100K
- 36 LEDs/ft (120 LEDs/m)
- 3.94 in (100 mm) incremental length



RoHS

Declare.



IP20

IP65

IP68

IP69

ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color
RB	O		
RB - RibbonLyte	O - Color Changing	WD20 - Warm Dim IP20 WD65 - Warm Dim IP65 WD68 - Warm Dim IP68 WD69 - Warm Dim IP69	5.22920 - 5.2 W/ft 2900K-2000K (IP20 only) 5.21830 - 5.2 W/ft 3000K-1800K (IP20 only) 5.22721 - 5.2 W/ft 2700K-2100K (IP65/IP68/IP69)

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. (305 mm) cable with bare wire (custom length up to 20 feet / 6 meters)
2. Standard 12 in. (305 mm) cable with IP67 connectors (custom length up to 10 feet / 3 meters)
3. Daisy chain with 3 in. (76 mm) cable between runs (custom length up to 36 in. / 914 mm)
4. 3 in. (305 mm) cable between IP67 connector and RibbonLyte (custom length up to 18 in. / 457 mm)
5. Standard 12 in. (305 mm) cable with bare wire (custom length up to 10 feet / 3 meters)

Note: IP67 connectors are used for both IP20, IP65, IP68 and IP69 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)	217 mA/ft (711 mA/m)				
LED Pitch	36 LEDs/ft (120 LEDs/m)				
Protection Rating	IP20, IP65, IP68, IP69				
Dimming	0-10V				
Operating Temperature	-40 — 158 °F (-40 — 70 °C)				
Color Temperatures	IP20: 2900K-2000K or 3000K-1800K IP65/IP68/IP69: 2700K-2100K				
MacAdam Ellipses (SDCM)	3-step binning				
Lumens	313.4 lm/ft (1028 lm/m) LEDs at 100%				
Binning Tolerance	+/- 150K				
LED Beam Angle	120°				
Lifetime (L70 reported)	50,000 hours				
Incremental Length	3.94 in (100 mm)				
CRI	80+ CRI				
Max Length	16.4 ft (5 m)				
Lumens/Watt	65 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	✓				
Light Intensity Percentage / CCT	100% Brightness	75% Brightness	50% Brightness	25% Brightness	1% Brightness
CCT for IP20	2900K	2700K	2450K	2225K	2000K
CCT for IP20	3000K	2775K	2450K	2125K	1800K
CCT for IP65/IP68/IP69	2700K	2550K	2400K	2250K	2100K

DIMENSIONS	Top View		Side View	Dimensions
IP20		Incremental length: 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		Incremental length: 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		Incremental length: 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)
IP69		Incremental length: 3.94 in (100 mm)		Width 0.49 in (12.5 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/IP69 RibbonLyte Part Number: RBMNTSILW

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

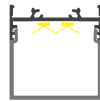
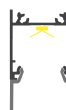
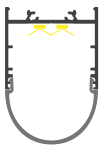
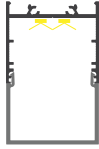
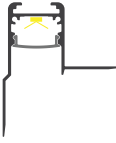
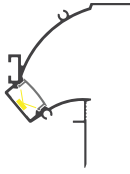
0-10V Dimmable 90W VW/WD Driver



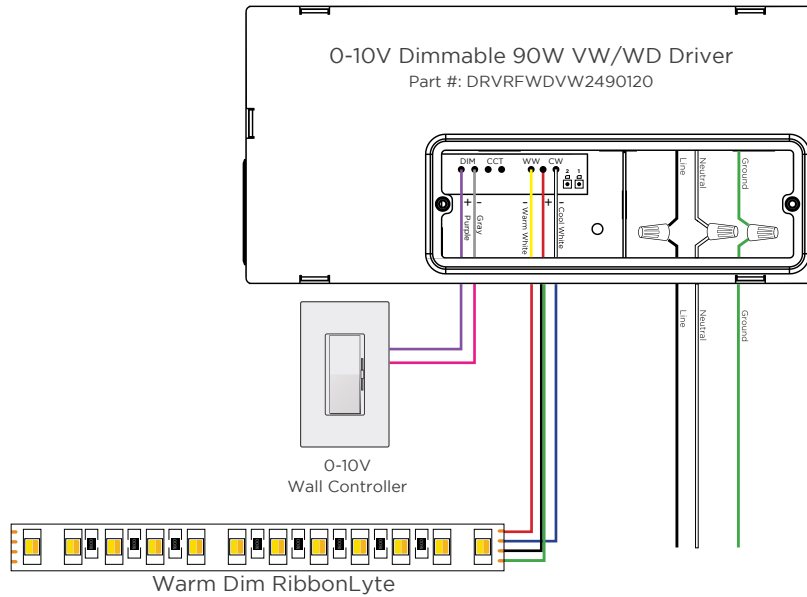
Part Number:
DRVRFWDVW2490120

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

CHANNEL COMPATIBILITY / CHANNEL OPTIONS

CHANNEL	IP20 IP65	IP68	IP69	SURFACE MOUNTED											
AC1	✓														
AC2	✓														
AC3	✓														
AC5	✓	✓	✓	AS1	AS1GS	AS2	AS3	AS10	AS13 / round lens	AS13 / square lens	AS15L				
AC15L	✓			W: 0.68 in. / 17.2 mm H: 0.34 in. / 8.6 mm	W: 0.67 in. / 17.1 mm H: 0.55 in. / 13.9 mm	W: 0.7 in. / 17.8 mm H: 0.6 in. / 15.2 mm	W: 0.93 in. / 23.6 mm H: 0.42 in. / 10.7 mm	W: 0.47 in. / 12 mm H: 0.47 in. / 12 mm	W: 1.31 in. / 33.4 mm H: 1.29 in. / 32.7 mm	W: 1.31 in. / 33.4 mm H: 1.37 in. / 34.8 mm	W: 0.59 in. / 15 mm H: 0.59 in. / 15 mm				
AR1	✓														
AR3	✓	✓	✓												
AR15L	✓														
AR15AL	✓														
AR24R	✓		✓	AS16	AS20G	AS20GS	AS21	AS23	AS24R	AS29L					
AR29L	✓			W: 0.74 in. / 18.8 mm H: 0.73 in. / 18.6 mm	W: 0.61 in. / 15.5 mm H: 0.71 in. / 18 mm	W: 1.11 in. / 28.3 mm H: 1.57 in. / 40 mm	W: 0.79 in. / 20 mm H: 0.82 in. / 20.84 mm	W: 0.91 in. / 23 mm H: 1.59 in. / 40.5 mm	W: 0.91 in. / 23 mm H: 1.03 in. / 26.2 mm	W: 1.18 in. / 30 mm H: 1.15 in. / 29.2 mm					
AS1	✓														
AS1GS	✓														
AS2	✓														
AS3	✓	✓	✓												
AS5	✓			AS30 / round lens	AS30 / square lens	AS31	AT4	AT5	B1						
AS10				W: 1.31 in. / 33.4 mm H: 1.95 in. / 49.5 mm	W: 1.31 in. / 33.4 mm H: 2.03 in. / 51.6 mm	W: 1.18 in. / 30 mm H: 1.22 in. / 30.92 mm	W: 0.77 in. / 19.6 mm H: 0.74 in. / 18.8 mm	W: 0.77 in. / 19.6 mm H: 0.74 in. / 18.8 mm	W: 0.77 in. / 19.6 mm H: 0.26 in. / 6.5 mm						
AS13	✓	✓	✓												
AS15L	✓														
AS16	✓	✓	✓												
AS20G	✓														
AS20GS															
AS21	✓	✓	✓												
AS23	✓	✓	✓												
AS24R	✓		✓												
AS29L	✓														
AS30	✓	✓	✓												
AS31	✓	✓	✓												
AS53															
AT4	✓	✓	✓												
AT5	✓	✓	✓												
B1	✓	✓	✓												
SC3	✓	✓	✓												
SC10	✓														
SC15L	✓														
SC20C	✓														
SC23	✓														
SC24R	✓		✓												
SC38C	✓	✓	✓												
				CORNER											
															
				AC1	AC2	AC3	AC5	AC15L							
				W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm	W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm	W: 0.74 in. / 18.8 mm H: 0.74 in. / 18.8 mm	W: 1.18 in. / 30 mm H: 1.18 in. / 30 mm	W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm							
				RECESSED											
															
				AR1	AR3	AR15L	AR15AL	AR24R	AR29L						
				W: 0.9 in. / 22.9 mm H: 0.31 in. / 7.87 mm	W: 1.2 in. / 30.5 mm H: 0.42 in. / 10.8 mm	W: 0.59 in. / 15 mm H: 0.53 in. / 13.5 mm	W: 1.31 in. / 33.3 mm H: 0.6 in. / 15.3 mm	W: 1.3 in. / 33 mm H: 1.03 in. / 26.2 mm	W: 1.57 in. / 40 mm H: 1.15 in. / 29.2 mm						
				MUD-IN											
															
				SC3	SC10	SC20C	SC24R	SC15L	SC23	SC38C					
				W: 2.62 in. / 66.6 mm H: 0.55 in. / 14 mm	W: 1.41 in. / 35.9 mm H: 0.56 in. / 14.1 mm	W: 1.66 in. / 42.2 mm H: 1.89 in. / 48.1 mm	W: 2.48 in. / 63 mm H: 1.03 in. / 26.2 mm	W: 2.17 in. / 55 mm H: 0.39 in. / 9.8 mm	W: 0.93 in. / 23.7 mm H: 3.46 in. / 88 mm	W: 2.32 in. / 58.9 mm H: 2.85 in. / 72.3 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.

USAGE GUIDELINES

- IP65, IP68 and IP69 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 should 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. IP69 RibbonLyte protects against water ingress from high-pressure, high-temperature water jets. But please note that 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 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.

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