

6.0 STATIC WHITE DOUBLE ROW RIBBONLYTE

This LED tape is twice as nice! Static 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 any of 9 dimmable Static White CCTs.

- Static White (1800K-6000K)
- 136 LEDs/ft (448 LEDs/m)
- 0.7 in. (17.9 mm) cut lengths
- IP20 for interior use
- Provides premium blending for consistent output

Applications:

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

UL

LISTED

CE

RoHS

IP20

TITLE 24

JA8

COMPLIANT

2200K-4000K

TM66

ASSESSED

Declare

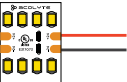


ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage & Color	
RB	90	SWDR20		
RB - RibbonLyte	90 - 90+ CRI Static White	SWDR20 - Static White Double Row IP20	6.018 - 6.0 W/ft 1800K	6.030 - 6.0 W/ft 3000K
			6.020 - 6.0 W/ft 2000K	6.035 - 6.0 W/ft 3500K
			6.022 - 6.0 W/ft 2200K	6.040 - 6.0 W/ft 4000K
			6.024 - 6.0 W/ft 2400K	6.060 - 6.0 W/ft 6000K
			6.027 - 6.0 W/ft 2700K	

CONNECTION OPTIONS

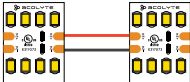
1. End Feed Bare Wire Connection (Default Option)



2. IP67 Connector Input



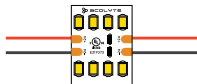
3. Soldered Daisy Chain



4. Daisy Chain with IP67 Connectors



5. Bare Wire on Both Ends



Standard cable length if not specified:

- 12 in. cable with bare wire (custom length up to 20 feet)
- Standard 12 in. cable with IP67 connectors (custom length up to 10 feet)
- Daisy chain with 3 in. cable between runs (custom length up to 36 in.)
- 3 in. cable between IP67 connector and RibbonLyte (custom length up to 18 in.)
- Standard 12 in. cable with bare wire (custom length up to 10 feet)

AVAILABLE COLOR TEMPERATURES

1800K

2000K

2200K

2400K

2700K

3000K

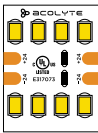
3500K

4000K

6000K

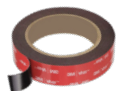
SPECIFICATIONS / DIAGRAM

6.0 STATIC WHITE DOUBLE ROW RIBBONLYTE									
Operating Voltage	24 V								
Power Consumption	6.0 W/ft (19.7 W/m)								
Current (mA)	250 mA/ft (820 mA/m)								
LED Pitch	136 LEDs/ft (448 LEDs/m)								
Protection Rating	IP20								
Dimming/Control	Dimmable with an external MLV / ELV / 0-10 Volt / DALI / CASAMBI controlled driver or by DMX with an external interface and driver								
Operating Temperature	-22 – 140 °F (-30 – 60 °C)								
Colors Temperatures	1800K	2000K	2200K	2400K	2700K	3000K	3500K	4000K	6000K
MacAdam ellipse (SDCM)	2-Step Binning								
Lumens	438.5 lm/ft (1438.8 lm/m)	517.8 lm/ft (1698.9 lm/m)	565.3 lm/ft (1854.9 lm/m)	581.2 lm/ft (1906.9 lm/m)	655.2 lm/ft (2149.6 lm/m)	708 lm/ft (2322.9 lm/m)	713.3 lm/ft (2340.3 lm/m)	708 lm/ft (2322.9 lm/m)	686.9 lm/ft (2253.6 lm/m)
Binning Tolerance	+/- 100K								
LED Beam Angle	120°								
Lifetime (L70 reported)	50,000 hrs								
Cutable Length	0.7 in (17.9 mm)								
CRI - All Color Temp.	90+ CRI								
Lumens/Watt	73 lm/W	86 lm/W	94 lm/W	97 lm/W	109 lm/W	118 lm/W	119 lm/W	118 lm/W	114 lm/W
Constant Voltage	✓								
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.								
Warranty	6 years								

24V DIMENSIONS	Top View	Side View	Dimensions
IP20	 CUTTABLE EVERY: 0.7 in (17.9 mm)		Width 0.94 in (24 mm) Max Length 39 ft (12 m) Height 0.06 in (1.45 mm)

OPTIONAL ACCESSORY

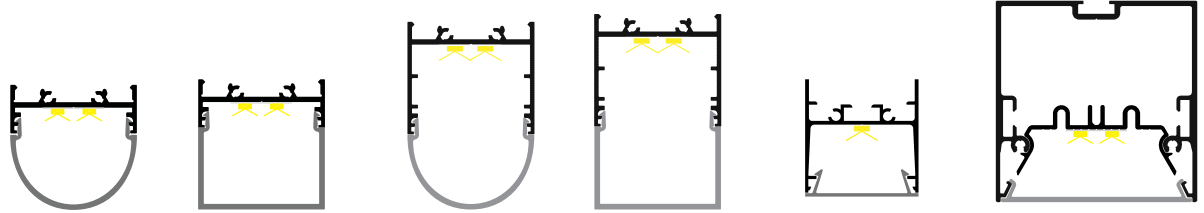
1 in. VHB Tape



Provides superior holding power in surface mounted applications
Part Number: VHBTAPE1.OBK

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

CHANNEL COMPATIBILITY / CHANNEL OPTIONS / USAGE GUIDELINES

CHANNEL	IP20	SURFACE CHANNELS					
AC1							
AC2							
AC3							
AC5							
AC15L							
AR1							
AR3							
AR9							
AR15L							
AR15AL							
AR24R		AS13 / round lens W: 1.31 in. / 33.4 mm H: 1.29 in. / 32.7 mm Inside W: 1.22 in. / 31 mm	AS13 / square lens W: 1.31 in. / 33.4 mm H: 1.37 in. / 34.8 mm Inside W: 1.22 in. / 31 mm	AS30 / round lens W: 1.31 in. / 33.4 mm H: 1.95 in. / 49.5 mm Inside W: 1.17 in. / 29.8 mm	AS30 / square lens W: 1.31 in. / 33.4 mm H: 2.03 in. / 51.6 mm Inside W: 1.17 in. / 29.8 mm	AS31 W: 1.18 in. / 30 mm H: 1.22 in. / 30.92 mm Inside W: 0.99 in. / 25.17 mm	AS53 W: 2.09 in. / 53 mm H: 2.09 in. / 53 mm Inside W: 1.29 in. / 32.8 mm
AR29L							
AS1							
AS1GS							
AS2							
AS3							
AS5							
AS9							
AS10							
AS13	✓						
AS15L							
AS16							
AS20G							
AS20GS							
AS21							
AS23							
AS24R							
AS29L							
AS30	✓						
AS31	✓						
AS53	✓						
AT4							
AT5							
B1							
SC3							
SC10							
SC15L							
SC20C							
SC23							
SC24R							
SC38C							

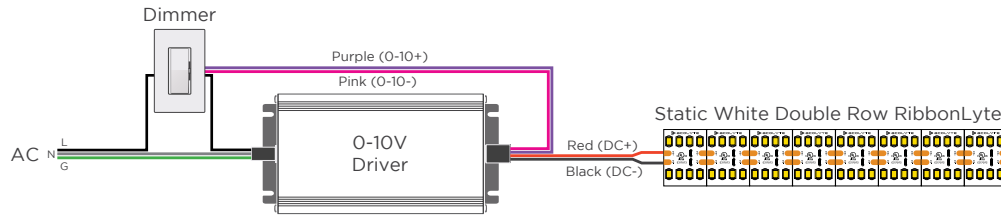
USAGE GUIDELINES

- 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 60 °C / 140 °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.

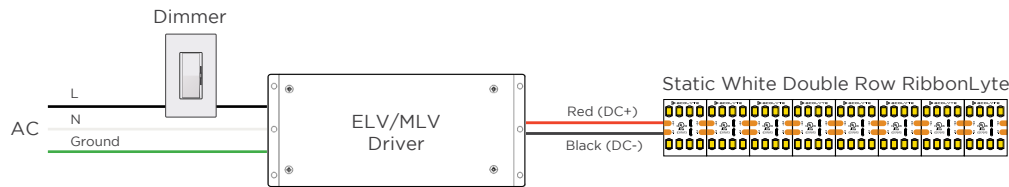
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WIRING DIAGRAMS

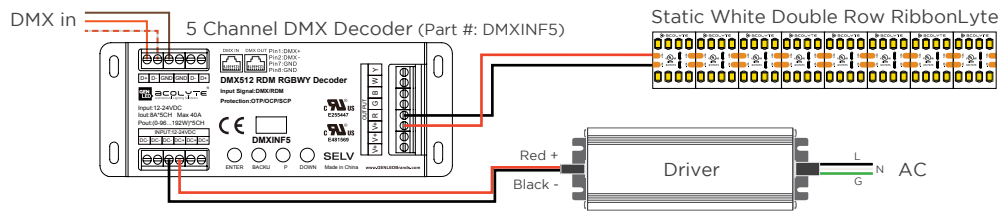
0-10V



MLV / ELV



DMX



WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE DOUBLE ROW RIBBONLYTE

Red Wire (+) Positive
Black Wire (-) Negative

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	29.50	5.90	19.35	1.229
10	3.05	58.46	5.85	19.17	2.436
15	4.57	86.31	5.75	18.87	3.596
20	6.10	112.22	5.61	18.40	4.676
25	7.62	136.34	5.45	17.89	5.681
30	9.15	157.88	5.26	17.26	6.578
35	10.67	179.78	5.14	16.85	7.491
39	11.89	191.63	4.91	16.12	7.985

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.

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