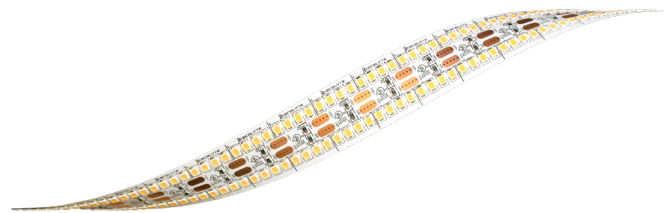## 12.0 STATIC WHITE DOUBLE ROW RIBBONLYTE

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	Hospitality	Residential
Entertainment	Museums	Retail
Healthcare	Public Spaces	

UL LISTED   CE   RoHS   IP20

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	12.018 - 12.0 W/ft 1800K	12.030 - 12.0 W/ft 3000K
			12.020 - 12.0 W/ft 2000K	12.035 - 12.0 W/ft 3500K
			12.022 - 12.0 W/ft 2200K	12.040 - 12.0 W/ft 4000K
			12.024 - 12.0 W/ft 2400K	12.060 -12.0 W/ft 6000K
			12.027 - 12.0 W/ft 2700K	

CONNECTION OPTIONS

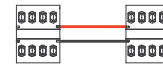**1.** End Feed Bare Wire Connection (**Default Option**)
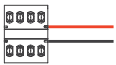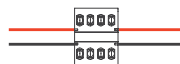
2. IP67 Connector Input

3. Soldered Daisy Chain

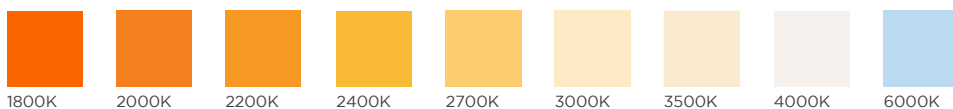**4**. Daisy Chain with IP67 Connectors

5. Bare Wire on Both Ends
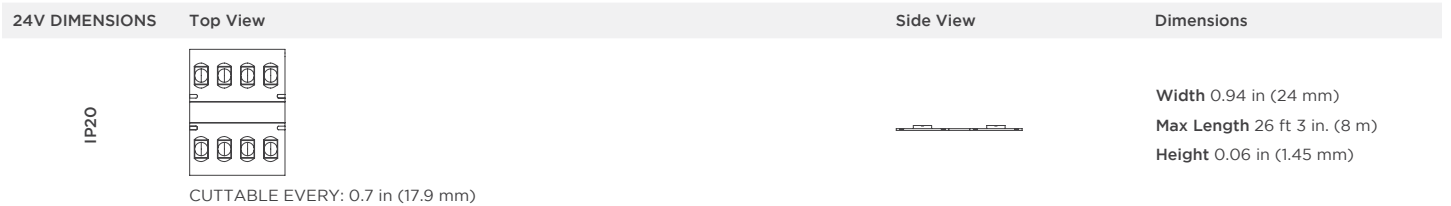
Standard cable length if not specified:
1. 12 in. cable with bare wire (custom length up to 20 feet)
2. Standard 12 in. cable with IP67 connectors (custom length up to 10 feet)
3. Daisy chain with 3 in. cable between runs (custom length up to 36 in.)
4. 3 in. cable between IP67 connector and RibbonLyte (custom length up to 18 in.)
5. Standard 12 in. cable with bare wire (custom length up to 10 feet)
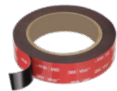
AVAILABLE COLOR TEMPERATURES

1800K	2000K	2200K	2400K	2700K	3000K	3500K	4000K	6000K

SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

12.0 STATIC WHITE DOUBLE ROW RIBBONLYTE								
Operating Voltage	24 V							
Power Consumption	12.0 W/ft (39.4 W/m)							
Current (mA)	500 mA/ft (1640 mA/m)							
LED Pitch	136 LEDs/ft (448 LEDs/m)							
Protection Rating	IP20							
Dimming/Control	MLV / 0-10 Volt / ELV / DALI							
Operating Temperature	-22° F to 140° F (-30° C to 60° C)							
Colors Temperatures	1800K	2000K	2200K	2400K	2700K	3000K	3500K	4000K	6000K
MacAdam's Ellipses (SDCM)	2-Step Binning							
Lumens	832.5 lm/ft (2731.4 lm/m)	982.9 lm/ft (3225 lm/m)	1073.2 lm/ft (3521.1 lm/m)	1103.3 lm/ft (3619.9 lm/m)	1243.7 lm/ft (4080.6 lm/m)	1344 lm/ft (4409.7 lm/m)	1354 lm/ft (4442.6 lm/m)	1344 lm/ft (4409.7 lm/m)	1303.9 lm/ft (4278 lm/m)
Binning Tolerance	+/- 100K							
LED Beam Angle	120°							
Lamp Life	50,000 Hrs							
Cuttable Length	0.7 in (17.9 mm)							
CRI - All Color Temp.	90+ CRI							
Lumens/Watt	69 lm/W	82 lm/W	89 lm/W	92 lm/W	104 lm/W	112 lm/W	113 lm/W	112 lm/W	109 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** 26 ft 3 in. (8 m) **Height** 0.06 in (1.45 mm)

OPTIONAL ACCESSORY

1 in. VHB Tape

Provides superior holding power in surface mounted applications
Part Number: VHBTAPE1.0BK

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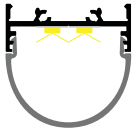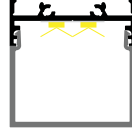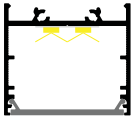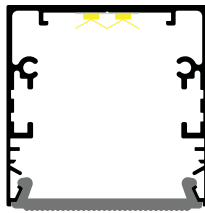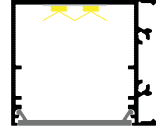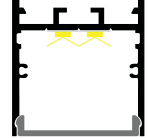
USAGE GUIDELINES

- 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 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.
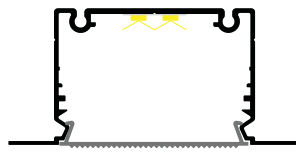
CHANNEL COMPATIBILITY / CHANNEL OPTIONS

CHANNEL	IP20
AC1	
AC2	
AC3	
AC4	
AC5	
AR1	
AR3	
AR8	
AR10	
AR16	
AR20	
AR25	✓
AR30	✓
AR33	✓
AS1	
AS2	
AS3	
AS6	
AS10	
AS12	
AS13	✓
AS16	
AS20G	
AS23	
AS30	✓
AS53	✓
AT4	
AT5	
AW12	
AW14	
AW38	✓
B1	
B2	
ROUND12	
SC3	
SC4	✓
SC5	✓
WH35	✓

SURFACE CHANNELS

AS13 / round milky
W: 1.31 in. / 33.4 mm
H: 1.29 in. / 32.7 mm
Inside W: 1.22 in. / 31 mm
Inside H: 1 in. / 25.3 mm

AS13 / square milky
W: 1.31 in. / 33.4 mm
H: 1.37 in. / 34.8 mm
Inside W: 1.22 in. / 31 mm
Inside H: 1.07 in. / 27.3 mm

AS30
W/H: 1.31 in. / 33.4 mm
H: 1.17 in. / 29.6 mm
Inside W: 1.17 in. / 29.8 mm
Inside H: 0.93 in. / 23.6 mm

AS53
W: 2.09 in. / 53 mm
H: 2.09 in. / 53 mm
Inside W: 1.32 in. / 33.6 mm
Inside H: 2 in. / 51 mm

AW38
W: 1.5 in. / 38 mm
H: 1.31 in. / 33.4 mm
Inside W: 1.22 in. / 31 mm
Inside H: 1.17 in. / 29.8 mm

WH35
W: 1.37 in. / 35 mm
H: 1.47 in. / 37.5 mm
Inside: 1.23 in. / 31.2 mm

RECESSED CHANNELS

AR25
W: 1.75 in. / 44.4 mm
H: 0.94 in. / 24 mm
Inside W: 1.22 in. / 31 mm
Inside H: 0.91 in. / 23 mm

AR30
W: 1.75 in. / 44.4 mm
H: 0.55 in. / 14 mm
Inside W: 1.22 in. / 31 mm
Inside H: 0.51 in. / 13 mm

AR33
W: 3.03 in. / 77 mm
H: 1.42 in. / 36 mm
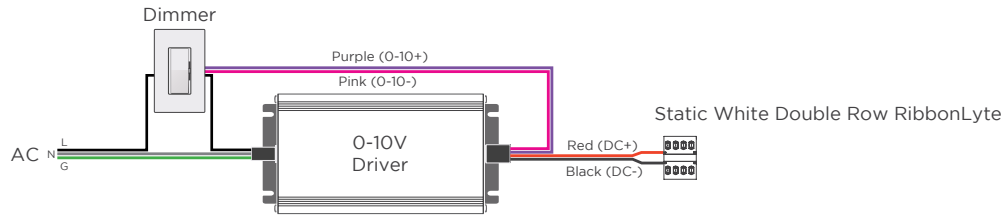Inside W: 1.32 in. / 33.6 mm
Inside H: 1.37 in. / 34.8 mm

MUD-IN CHANNELS

SC4
Overall W: 2.5 in. / 63.4 mm
Visible W: 1.31 in. / 33.4 mm
H: 0.63 in. / 15.9 mm
Inside W: 1.22 in. / 31 mm
Inside H: 0.5 in. / 12.9 mm

SC5
Overall W: 2.5 in. / 63.4 mm
Visible W: 1.31 in. / 33.4 mm
H: 0.94 in. / 24 mm
Inside W: 1.22 in. / 31 mm
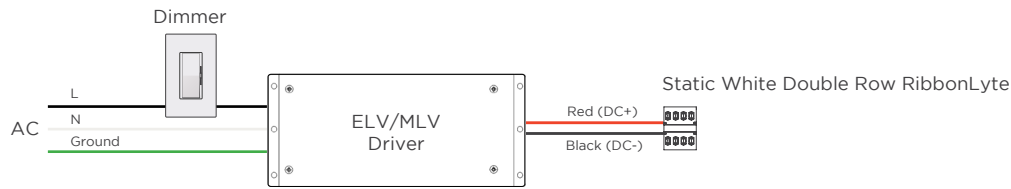Inside H: 0.83 in. / 21 mm

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 140 °F (60 °C) maximum that our product is rated for. High risk locations like this should be avoided.
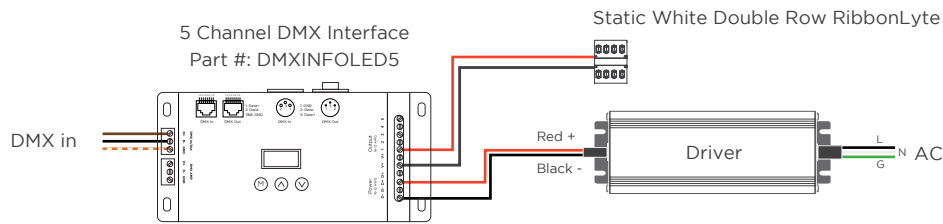
WIRING DIAGRAMS

0-10V

Dimmer

Purple (0-10+)

Pink (0-10-)

Static White Double Row RibbonLyte

0-10V
Driver

AC
L
N
G

Red (DC+)

Black (DC-)

MLV / ELV

Dimmer

Static White Double Row RibbonLyte

L

N

AC

Ground

ELV/MLV
Driver

Red (DC+)

Black (DC-)

DMX

5 Channel DMX Interface
Part #: DMXINFOLED5

Static White Double Row RibbonLyte

DMX in

Driver

Red +

Black -

L
N
G

AC

WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE DOUBLE ROW RIBBONLYTE

Red Wire (+) Positive

Black Wire (-) Negative