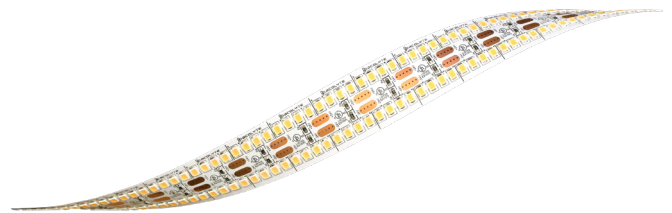## 6.0 STATIC WHITE DOUBLE ROW RIBBONLYTE

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   Hospitality   Residential
Entertainment   Museums   Retail
Healthcare   Public Spaces

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**)
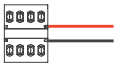
2. IP67 Connector Input

3. Soldered Daisy Chain
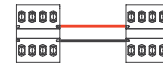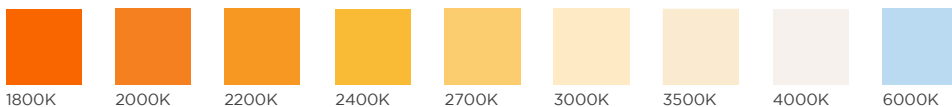
4. Daisy Chain with IP67 Connectors

5. Bare Wire on Both Ends

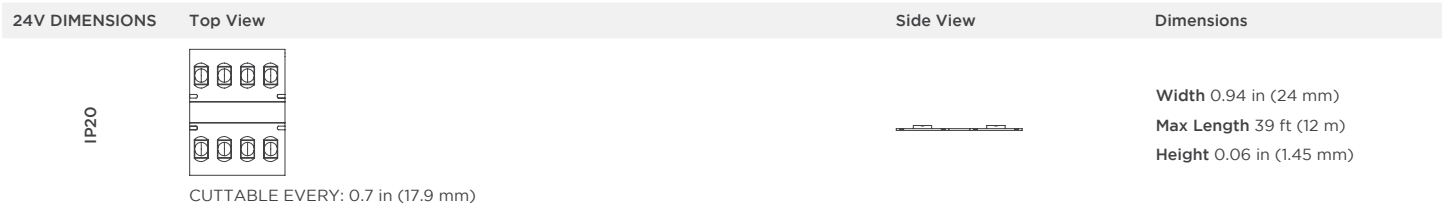**Standard cable length if not specified:**
1. 12 in. cable with bare wire (custom length up to 20 feet)
2. Standard 12 in. cable with IP67 connectors (custom length up to 10 feet)
3. Daisy chain with 3 in. cable between runs (custom length up to 36 in.)
4. 3 in. cable between IP67 connector and RibbonLyte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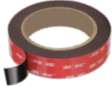
AVAILABLE COLOR TEMPERATURES

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

SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

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	MLV / 0-10 Volt / ELV / DALI								
Operating Temperature	-22 — 140 °F (-30 — 60 °C)								
Colors Temperatures	1800K	2000K	2200K	2400K	2700K	3000K	3500K	4000K	6000K
MacAdam's Ellipses (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								
Cuttable 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: VHBTAPE1.0BK

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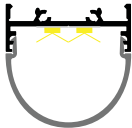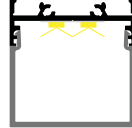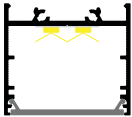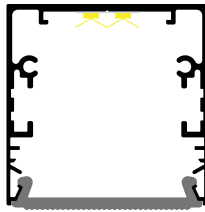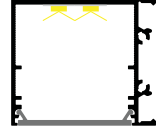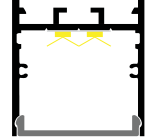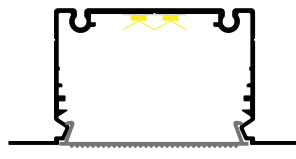
USAGE GUIDELINES

- 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 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 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.
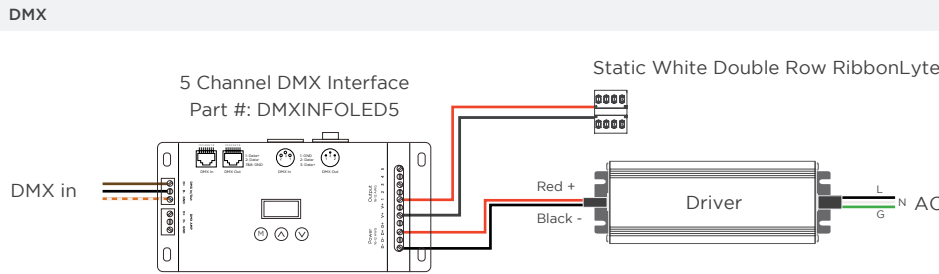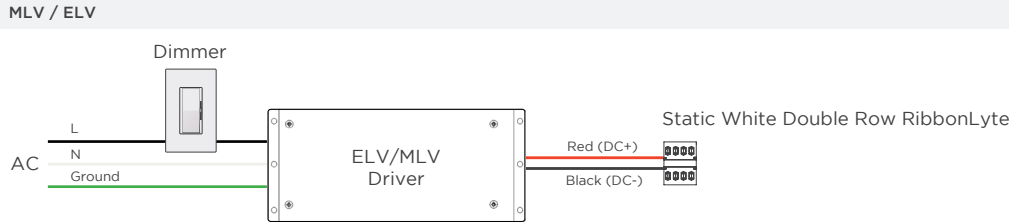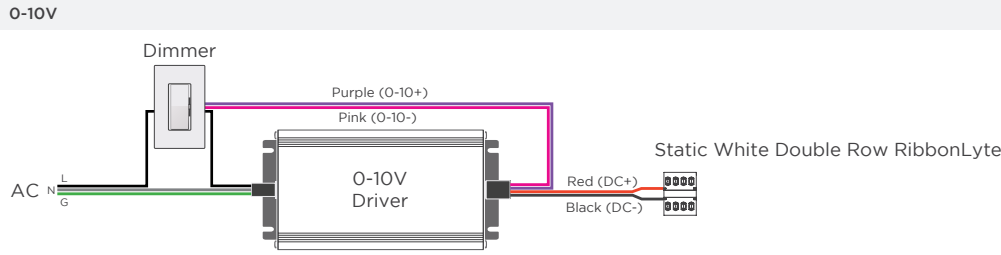
CHANNEL COMPATIBILITY / CHANNEL OPTIONS

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

WIRING DIAGRAMS

0-10V

Dimmer

Purple (0-10+)
Pink (0-10-)

AC N
L
G

0-10V Driver

Static White Double Row RibbonLyte

Red (DC+)
Black (DC-)

MLV / ELV

Dimmer

L
AC N
Ground

ELV/MLV Driver

Static White Double Row RibbonLyte

Red (DC+)
Black (DC-)

DMX

5 Channel DMX Interface
Part #: DMXINFOLED5

Static White Double Row RibbonLyte

DMX in

Red +
Black -

Driver

L
N
G
AC

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.

REV.13JAN2025