6.0 STATIC WHITE SERIES 2 RIBBONLYTE

Static White Series 2 RibbonLyte features stellar efficacy and even lumen output with a tight LED pitch for superior blending. This dimmable 90+ CRI RibbonLyte offers nine brilliant CCTs with short cut lengths for amazing design flexibility. Our Static White RibbonLyte products have earned an "excellent" TM66 rating for circularity.
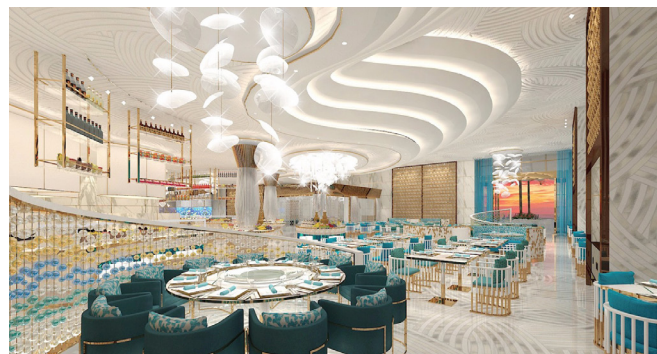
- 6.0 W/ft (19.7 W/m)
- Create a custom fixture with our channel extrusions
- 9 CCTs (1800K-6000K)
- 1.41 in. (35.7 mm) cut lengths
- 68 LEDs/ft (224 LEDs/m)
- 90+ CRI
- 2-step MacAdam ellipse binning

Applications:

Commercial	Hospitality	Residential
Entertainment	Museums	Retail
Healthcare	Public Spaces	

UL LISTED   CE   RoHS   IP20   IP65*   IP68*

* 1800K, 2000K, 2200K are not available in IP65 and IP68

TITLE 24 JA8 COMPLIANT
2200K-4000K

TM66 ASSESSED   Declare.

ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage & Color	
RB	**90**			
RB - RIBBONLYTE	90 - 90+ CRI Static White	SWS220 - Static White Series 2 IP20	6.018 - 6.0 W/ft 1800K (IP20 Only)	6.030 - 6.0 W/ft 3000K
		SWS265 - Static White Series 2 IP65	6.020 - 6.0 W/ft 2000K (IP20 Only)	6.035 - 6.0 W/ft 3500K
		(2400K, 2700K, 3000K, 3500K, 4000K, 6000K Only)	6.022 - 6.0 W/ft 2200K (IP20 Only)	6.040 - 6.0 W/ft 4000K
		SWS268 - Static White Series 2 IP68	6.024 - 6.0 W/ft 2400K	6.060 - 6.0 W/ft 6000K
		(2400K, 2700K, 3000K, 3500K, 4000K, 6000K Only)	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)
Note: IP67 connectors are used for both IP20 and IP65/IP68 RibbonLyte

AVAILABLE COLOR TEMPERATURES

1800K	2000K	2200K	2400K	2700K	3000K	3500K	4000K	6000K
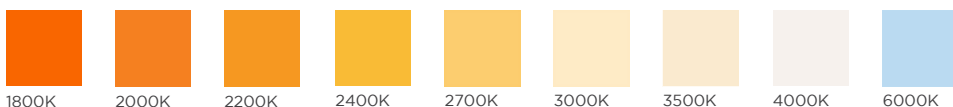
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SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

6.0 STATIC WHITE SERIES 2 RIBBONLYTE									
Operating Voltage	24 V								
Power Consumption	6.0 W/ft (19.7 W/m)								
Current (mA) - 24V	250 mA/ft (820 mA/m)								
LED Pitch	68 LEDs/ft (224 LEDs/m)								
Protection Rating	IP20, IP65, IP68 (1800K, 2000K, and 2200K are only available in IP20)								
Dimming/Control	MLV / 0-10 Volt / ELV / DALI								
Operating Temperature	-40 — 158 °F (-40 — 70 °C)								
Colors Temperatures	1800K	2000K	2200K	2400K	2700K	3000K	3500K	4000K	6000K
MacAdam ellipse (SDCM)	2-Step Binning								
Lumens	490 lm/ft (1607 lm/m)	570 lm/ft (1870 lm/m)	634 lm/ft (2080 lm/m)	660 lm/ft (2165 lm/m)	732 lm/ft (2401 lm/m)	792 lm/ft (2598 lm/m)	792 lm/ft (2598 lm/m)	780 lm/ft (2558 lm/m)	768 lm/ft (2519 lm/m)
Binning Tolerance	+/- 100K								
LED Beam Angle	120°								
Lifetime (L70 reported)	50,000 hours								
Cuttable Length	1.41 in (35.70 mm)								
CRI - All Color Temp.	90+ CRI								
Lumens/Watt	82 lm/W	95 lm/W	106 lm/W	110 lm/W	122 lm/W	132 lm/W	132 lm/W	130 lm/W	128 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	IP20: 6 years, IP65/68: 3 years								

24V DIMENSIONS	Top View	Side View	Dimensions
IP20	⬜⬜⬜⬜⬜⬜⬜⬜ CUTTABLE EVERY: 1.41 in (35.70 mm)		**Width** 0.39 in (10 mm) **Max Length** 28 ft (8.5 m) **Height** 0.06 in (1.45 mm)
IP65	⬜⬜⬜⬜⬜⬜⬜⬜ CUTTABLE EVERY: 1.41 in (35.70 mm)		**Width** 0.39 in (10 mm) **Max Length** 28 ft (8.5 m) **Height** 0.1 in (2.5 mm)
IP68	⬜⬜⬜⬜⬜⬜⬜⬜ CUTTABLE EVERY: 1.41 in (35.70 mm)		**Width** 0.52 in (13.21 mm) **Max Length** 28 ft (8.5 m) **Height** 0.18 in (4.5 mm)

OPTIONAL ACCESSORY
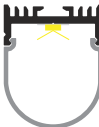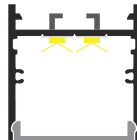
0.5 in. VHB Tape	Flat Mounting Clip	Silicone Clip
Provides superior holding power in surface mounted applications Part Number: VHBTAPE0.5BK	For mounting IP20/IP65 RibbonLyte Part Number: RBMNTSIL	For mounting IP68 RibbonLyte Part Number: RBMNTSILW

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.
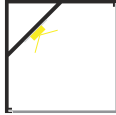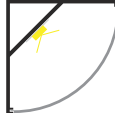- Please refer to the RibbonLyte Proper Usage Guide in our Application Guide for more information. Available for download at AcolyteLED.com.
- This product is compatible with a wide variety of control products including the entire line of Lutron dimming systems.
- For use with Acolyte drivers, 0-10V dimming modules and interface controllers (DMXINF models).
- Use with non-Acolyte supplied drivers is not supported or 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.

CHANNEL COMPATIBILITY / CHANNEL OPTIONS

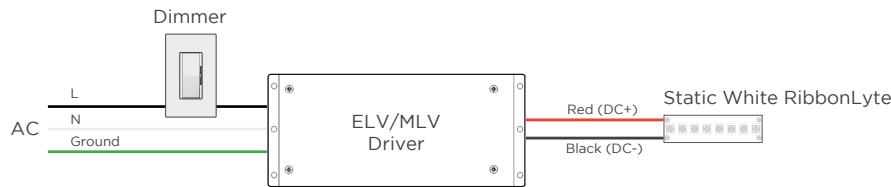| CHANNEL	IP20 IP65	IP68
AC1	✓	
AC2	✓	
AC3	✓	
AC4	✓	✓
AC5	✓	✓
AR1	✓	
AR3	✓	✓
AS1	✓	
AS2	✓	
AS3	✓	✓
AS6	✓	✓
AS11	✓	
AS18	✓	✓
AS20G	✓	
AS22	✓	✓
AT4	✓	✓
AT5	✓	✓
B1	✓	
SC3	✓	
WH35	✓	✓

SURFACE CHANNELS

AS1
W: 0.68 in. / 17.2 mm
H: 0.34 in. / 8.6 mm
Inside W: 0.48 in. / 12.2 mm

AS2
W: 0.7 in. / 17.8 mm
H: 0.6 in. / 15.2 mm
Inside W: 0.49 in. / 12.5 mm

AS3
W: 0.93 in. / 23.6 mm
H: 0.42 in. / 10.7 mm
Inside W: 0.81 in. / 20.6 mm

AS6
W: 0.89 in. / 22.5 mm
H: 0.62 in. / 15.7 mm
Inside W: 0.71 in. / 18 mm

AS11
W: 0.52 in. / 13.1 mm
H: 0.54 in. / 13.7 mm
Inside W: 0.41 in. / 10.5 mm

B1
W: 0.77 in. / 19.6 mm
H: 0.26 in. / 6.5 mm
Inside W: 0.69 in. / 17.6 mm

AS18
W: 0.92 in. / 23.4 mm
H: 1.1 in. / 27.8 mm
Inside W: 0.73 in. / 18.6 mm

AS20G
W: 0.61 in. / 15.5 mm
H: 0.71 in. / 18 mm
Inside W: 0.48 in. / 12.3 mm

AS22
W: 1.03 in. / 26.2 mm
H: 1.3 in. / 32.9 mm
Inside W: 0.87 in. / 22.2 mm

AT4
W: 0.77 in. / 19.6 mm
H: 0.74 in. / 18.8 mm
Inside W: 0.66 in. / 16.8 mm

AT5
W: 0.77 in. / 19.6 mm
H: 0.74 in. / 18.8 mm
Inside W: 0.66 in. / 16.8 mm

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

CORNER CHANNELS

AC1
W: 0.63 in. / 16 mm
H: 0.63 in. / 16 mm
Inside W: 0.48 in. / 12.2 mm

AC2
W: 0.63 in. / 16 mm
H: 0.63 in. / 16 mm
Inside W: 0.48 in. / 12.2 mm

AC3
W: 0.74 in. / 18.8 mm
H: 0.74 in. / 18.8 mm
Inside W: 0.48 in. / 12.2 mm

AC4
W: 1.18 in. / 30 mm
H: 1.18 in. / 30 mm
Inside W: 0.77 in. / 19.6 mm

AC5
W: 1.18 in. / 30 mm
H: 1.18 in. / 30 mm
Inside W: 0.77 in. / 19.6 mm

RECESSED CHANNELS

AR1
W: 0.9 in. / 22.9 mm
H: 0.31 in. / 7.87 mm
Inside W: 0.49 in. / 12.5 mm

AR3
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

WIRING DIAGRAMS

0-10V

Dimmer

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

AC L N G

0-10V Driver

Red (DC+)
Black (DC-)

Static White RibbonLyte

MLV / ELV

Dimmer

AC L N Ground

ELV/MLV Driver

Red (DC+)
Black (DC-)

Static White RibbonLyte

DMX

Static White RibbonLyte

5 Channel DMX Interface
Part #: DMXINFOLED5

DMX in

Red +
Black -

Driver

L N G

WIRE COLORS PER RIBBONLYTE COLOR
STATIC WHITE SERIES 2
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	29.49	5.90	19.35	1.229
10	3.05	55.85	5.59	18.32	2.327
15	4.57	76.47	5.10	16.72	3.186
20	6.10	90.29	4.51	14.81	3.762
25	7.62	94.95	3.80	12.46	3.956
28	8.54	97.75	3.49	11.45	4.073

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.