

4.4 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.

- 4.4 W/ft (14.4 W/m)
- Create a custom fixture with our channel extrusions
- 9 CCTs (1800K-6000K)
- 1.97 in. (50 mm) incremental lengths
- 49 LEDs/ft (160 LEDs/m)
- 90+ CRI
- 1-step MacAdam ellipse binning



RoHS



Declare.



IP20 IP65* IP68* IP69*

* 1800K, 2000K, 2200K are not available in IP65, IP68 and IP69

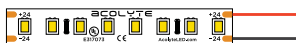


ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage & Color	
RB	90			
RB - RIBBONLYTE	90 - 90+ CRI Static White	SWS220 - Static White Series 2 IP20	4.418 - 4.4 W/ft 1800K (IP20 Only)	4.430 - 4.4 W/ft 3000K
		SWS265* - Static White Series 2 IP65	4.420 - 4.4 W/ft 2000K (IP20 Only)	4.435 - 4.4 W/ft 3500K
		SWS268* - Static White Series 2 IP68	4.422 - 4.4 W/ft 2200K (IP20 Only)	4.440 - 4.4 W/ft 4000K
		SWS269* - Static White Series 2 IP69	4.424 - 4.4 W/ft 2400K	4.460 - 4.4 W/ft 6000K
		*(2400K, 2700K, 3000K, 3500K, 4000K, 6000K Only)	4.427 - 4.4 W/ft 2700K	

CONNECTION OPTIONS

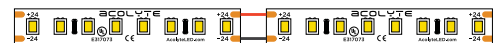
1. End Feed Bare Wire Connection (Default Option)



2. IP67 Connector Input



3. Soldered Daisy Chain



4. Daisy Chain with IP67 Connectors



5. Bare Wire on Both Ends

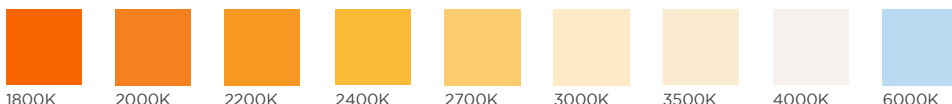


Standard cable length if not specified:

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 IP20, IP65, IP68, IP69 RibbonLyte

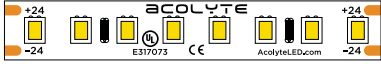
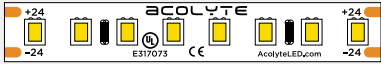
AVAILABLE COLOR TEMPERATURES



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SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

4.4 STATIC WHITE SERIES 2 RIBBONLYTE									
Operating Voltage	24 V								
Power Consumption	4.4 W/ft (14.4 W/m)								
Current (mA) - 24V	183 mA/ft (600 mA/m)								
LED Pitch	49 LEDs/ft (160 LEDs/m)								
Protection Rating	IP20, IP65, IP68, IP69 (1800K, 2000K, and 2200K are only available in 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	-40 — 158 °F (-40 — 70 °C)								
Colors Temperatures	1800K	2000K	2200K	2400K	2700K	3000K	3500K	4000K	6000K
MacAdam ellipse (SDCM)	1-Step Binning								
Lumens	355 lm/ft (1164 lm/m)	419 lm/ft (1376 lm/m)	463 lm/ft (1520 lm/m)	480 lm/ft (1573 lm/m)	546 lm/ft (1790 lm/m)	576 lm/ft (1891 lm/m)	585 lm/ft (1920 lm/m)	585 lm/ft (1920 lm/m)	563 lm/ft (1847 lm/m)
Binning Tolerance	+/- 100K								
LED Beam Angle	120°								
Lifetime (L70 reported)	50,000 hours								
Incremental Length	1.97 in (50 mm)								
CRI - All Color Temp.	90+ CRI								
Lumens/Watt	81 lm/W	95 lm/W	105 lm/W	109 lm/W	124 lm/W	131 lm/W	133 lm/W	133 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, IP65/68/69: 3 years								

24V DIMENSIONS	Top View		Side View	Dimensions
IP20		Incremental length: 1.97 in (50 mm)		Width: 0.31 in (8 mm) Max Length: 28 ft 4 in (8.64 m) Height: 0.06 in (1.45 mm)
IP65		Incremental length: 1.97 in (50 mm)		Width: 0.31 in (8 mm) Max Length: 28 ft 4 in (8.64 m) Height: 0.1 in (2.5 mm)
IP68		Incremental length: 1.97 in (50 mm)		Width: 0.44 in (11.18 mm) Max Length: 28 ft 4 in (8.64 m) Height: 0.18 in (4.5 mm)
IP69		Incremental length: 1.97 in (50 mm)		Width: 0.41 in. (10.5 mm) Max Length: 28 ft 4 in (8.64 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/IP69 RibbonLyte Part Number: RBMNTSILW

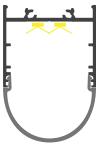
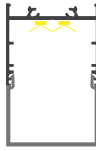
Note: RibbonLyte comes with an adhesive backing, but Acolyte recommends using VHB Tape for extra support in surface mounted applications.

USAGE GUIDELINES

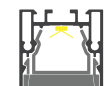
- IP65, IP68 and IP69 RibbonLyte cannot be cut in the field. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of the waterproofing will result in a void warranty.
- When installing this product, consider the surface temperature of the material where it 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. 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 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.

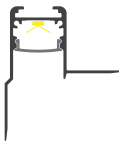
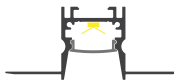
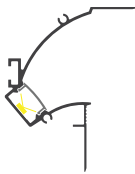
CHANNEL COMPATIBILITY / CHANNEL OPTIONS

CHANNEL	IP20 IP65	IP68	IP69	SURFACE MOUNTED												
AC1	✓	✓	✓													
AC2	✓	✓	✓													
AC3	✓	✓	✓													
AC5	✓	✓	✓													
AC15L	✓															
AR1	✓	✓	✓													
AR3	✓	✓	✓													
AR15L	✓															
AR15AL	✓															
AR24R	✓	✓	✓													
AR29L	✓	✓	✓													
AS1	✓	✓	✓													
AS1GS	✓	✓	✓													
AS2	✓	✓	✓													
AS3	✓	✓	✓													
AS5	✓	✓	✓													
AS10	✓															
AS13	✓	✓	✓													
AS15L	✓															
AS16	✓	✓	✓													
AS20G	✓		✓													
AS20GS	✓															
AS21	✓	✓	✓													
AS23	✓	✓	✓													
AS24R	✓	✓	✓													
AS29L	✓	✓	✓													
AS30	✓	✓	✓													
AS31	✓	✓	✓													
AT4	✓	✓	✓													
AT5	✓	✓	✓													
B1	✓	✓	✓													
SC3	✓	✓	✓													
SC10	✓															
SC15L	✓															
SC20C	✓	✓	✓													
SC23	✓	✓	✓													
SC24R	✓	✓	✓													
SC38C	✓	✓	✓													

SURFACE MOUNTED												
												
AS1	AS1GS	AS2	AS3	AS10	AS13 / round lens	AS13 / square lens	AS15L					
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					
												
AS16	AS20G	AS20GS	AS21	AS23	AS24R	AS29L						
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						
												
AS30 / round lens	AS30 / square lens	AS31	AT4	AT5	B1							
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							

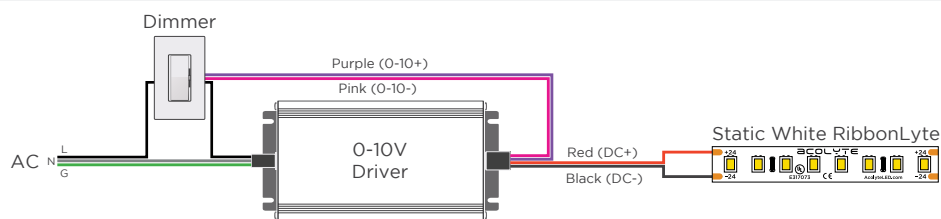
CORNER												
												
AC1	AC2	AC3	AC5	AC15L								
W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm	W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm	W: 0.74 in. / 18.8 mm H: 0.74 in. / 18.8 mm	W: 1.18 in. / 30 mm H: 1.18 in. / 30 mm	W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm								

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							

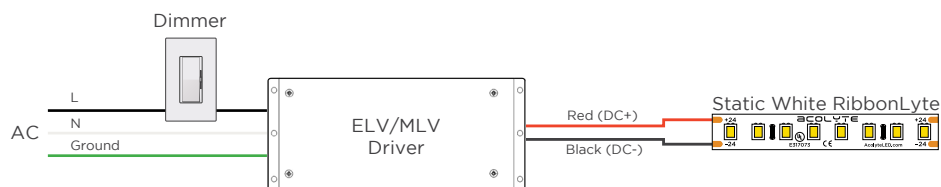
MUD-IN												
												
SC3	SC10	SC20C	SC24R	SC15L	SC23	SC38C						
W: 2.62 in. / 66.6 mm H: 0.55 in. / 14 mm	W: 1.41 in. / 35.9 mm H: 0.56 in. / 14.1 mm	W: 1.66 in. / 42.2 mm H: 1.89 in. / 48.1 mm	W: 2.48 in. / 63 mm H: 1.03 in. / 26.2 mm	W: 2.17 in. / 55 mm H: 0.39 in. / 9.8 mm	W: 0.93 in. / 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

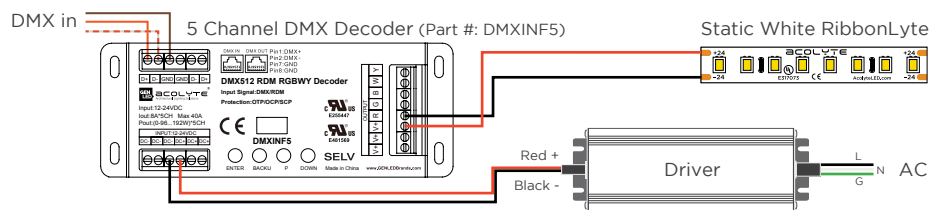
0-10V



MLV / ELV



DMX



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	21.31	4.26	13.98	0.888
10	3.05	40.66	4.07	13.34	1.694
15	4.57	56.24	3.75	12.30	2.343
20	6.10	66.54	3.33	10.91	2.773
25	7.62	70.58	2.82	9.26	2.941
28.33	8.64	73.27	2.59	8.48	3.053

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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