

2.2 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.

- 2.2 W/ft (7.2 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
- Closet rated in channel applications



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	2.218 - 2.2 W/ft 1800K (IP20 Only)	2.230 - 2.2 W/ft 3000K
		SWS265* - Static White Series 2 IP65	2.220 - 2.2 W/ft 2000K (IP20 Only)	2.235 - 2.2 W/ft 3500K
		SWS268* - Static White Series 2 IP68	2.222 - 2.2 W/ft 2200K (IP20 Only)	2.240 - 2.2 W/ft 4000K
		SWS269* - Static White Series 2 IP69	2.224 - 2.2 W/ft 2400K	2.260 - 2.2 W/ft 6000K
		*(2400K, 2700K, 3000K, 3500K, 4000K, 6000K Only)	2.227 - 2.2 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

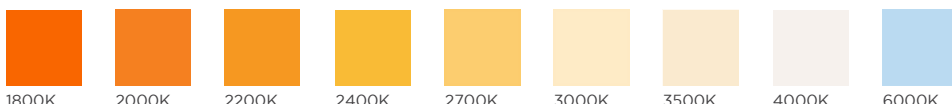


Standard cable length if not specified:

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

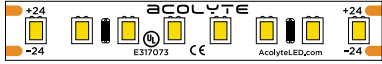
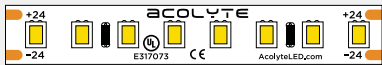
AVAILABLE COLOR TEMPERATURES



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SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

2.2 STATIC WHITE SERIES 2 RIBBONLYTE									
Operating Voltage	24 V								
Power Consumption	2.2 W/ft (7.2 W/m)								
Current (mA) - 24V	92 mA/ft (302 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	183 lm/ft (599 lm/m)	211 lm/ft (693 lm/m)	233 lm/ft (765 lm/m)	244 lm/ft (801 lm/m)	264 lm/ft (866 lm/m)	268 lm/ft (880 lm/m)	279 lm/ft (916 lm/m)	293 lm/ft (960 lm/m)	281 lm/ft (934 lm/m)
Binning Tolerance	+/- 100K								
LED Beam Angle	120°								
Lifetime (L70 reported)	50,000 hours								
Incremental Length	1.96 in (50 mm)								
CRI - All Color Temp.	90+ CRI								
Lumens/Watt	83 lm/W	96 lm/W	105 lm/W	111 lm/W	120 lm/W	122 lm/W	127 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. All RibbonLyte models 3.0 W/ft (9.8 W/m) and lower when used in any Acolyte Channel profile except Piccolo are tested by UL and confirmed 'Suitable for Installation in the Storage Area of a Clothes Closet' in accordance with NFPA 70 and NEC 410.16 and 411.								
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: 49 ft (15 m) Height: 0.06 in (1.45 mm)
IP65		Incremental length: 1.97 in (50 mm)		Width: 0.31 in (8 mm) Max Length: 32.8 ft (10 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: 32.8 ft (10 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: 32.8 ft (10 m) Height: 0.18 in (4.5 mm)

OPTIONAL ACCESSORY

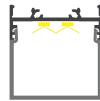
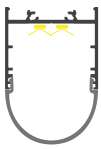
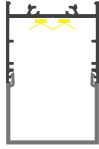
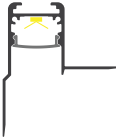
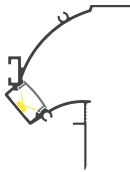
0.5 in. VHB Tape	Flat Mounting Clip	Silicone Clip
 Provides superior holding power in surface mounted applications Part Number: VHBTAPE0.5BK	 For mounting IP20/IP65 RibbonLyte Part Number: RBMNTSIL	 For mounting IP68/IP69 RibbonLyte Part Number: RBMNTSILW

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

USAGE GUIDELINES

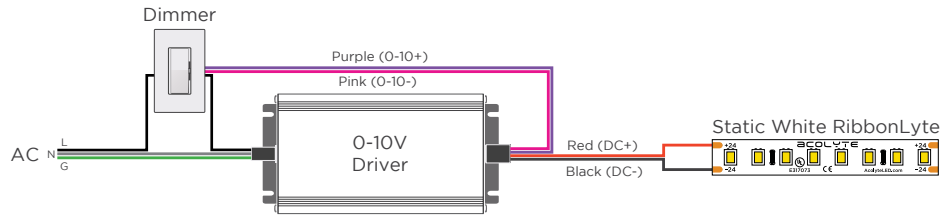
- IP65, IP68 and IP69 RibbonLyte cannot be cut in the field. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of the waterproofing will result in a void warranty.
- When installing this product, consider the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

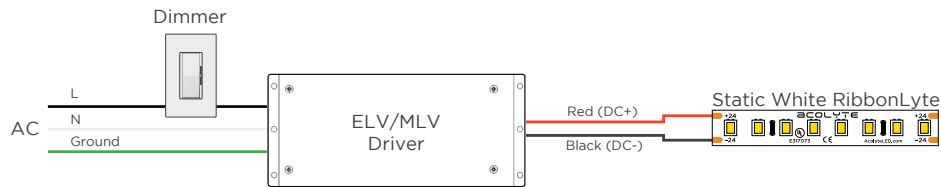
CHANNEL	IP20 IP65	IP68	IP69	SURFACE MOUNTED											
AC1	✓	✓	✓												
AC2	✓	✓	✓												
AC3	✓	✓	✓												
AC5	✓	✓	✓	AS1	AS1GS	AS2	AS3	AS10	AS13 / round lens	AS13 / square lens	AS15L				
AC15L	✓			W: 0.68 in. / 17.2 mm H: 0.34 in. / 8.6 mm	W: 0.67 in. / 17.1 mm H: 0.55 in. / 13.9 mm	W: 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				
AR1	✓	✓	✓												
AR3	✓	✓	✓												
AR15L	✓														
AR15AL	✓														
AR24R	✓	✓	✓	AS16	AS20G	AS20GS	AS21	AS22	AS23	AS24R	AS29L				
AR29L	✓	✓	✓	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: 0.87 in. / 22 mm H: 0.93 in. / 24.5 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				
AS1	✓	✓	✓												
AS1GS	✓	✓	✓												
AS2	✓	✓	✓												
AS3	✓	✓	✓												
AS5	✓	✓	✓												
AS10	✓														
AS13	✓	✓	✓												
AS15L	✓			AS30 / round lens	AS30 / square lens	AS31	AS35L	AT4	AT5	B1					
AS16	✓	✓	✓	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: 1.38 in. / 35 mm H: 1.48 in. / 37.5 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					
AS20G	✓		✓												
AS20GS	✓														
AS21	✓	✓	✓												
AS22L	✓														
AS23	✓	✓	✓												
AS24R	✓	✓	✓												
AS29L	✓	✓	✓												
AS30	✓	✓	✓												
AS31	✓	✓	✓												
AS35L	✓														
AS53															
AT4	✓	✓	✓												
AT5	✓	✓	✓												
B1	✓	✓	✓												
SC3	✓	✓	✓												
SC10	✓														
SC15L	✓														
SC20C	✓	✓	✓												
SC23	✓	✓	✓												
SC24R	✓	✓	✓												
SC38C	✓	✓	✓												
				CORNER											
AC1															
AC2				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							
AC3															
AC5															
AC15L															
				RECESSED											
AR1															
AR3				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						
AR15L															
AR15AL															
AR24R															
AR29L															
B1															
SC3															
SC10															
SC15L															
SC20C															
SC23															
SC24R															
SC38C															
				MUD-IN											
SC3															
SC10				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					
SC20C															
SC24R															
SC15L															
SC23															
SC38C															

WIRING DIAGRAMS

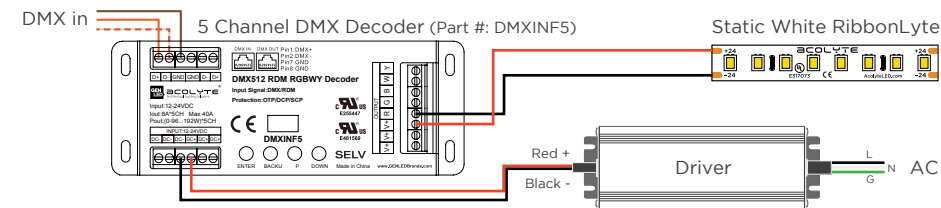
0-10V



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	10.80	2.16	7.08	0.450
10	3.05	21.22	2.12	6.96	0.884
15	4.57	30.84	2.06	6.74	1.285
20	6.10	39.31	1.97	6.45	1.638
25	7.62	46.31	1.85	6.08	1.930
30	9.15	51.58	1.72	5.64	2.149
35	10.67	55.32	1.58	5.18	2.305
40	12.20	56.16	1.40	4.61	2.340
42	12.80	56.50	1.35	4.41	2.354

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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