

1.5 STATIC COLOR SERIES 2 RIBBONLYTE

Illuminate in pure color. Our 1.5 Static Color Series 2 RibbonLyte offers 4 different hues. Light your space with brilliant blue, or warm it up with an amber glow in custom fixtures. Static Color Series 2 RibbonLyte LEDs fall within a two-step MacAdam ellipse, maintaining your chosen color 100% of the time. For color changing RibbonLyte, please see our RGBW, RGBA or RGBWW RibbonLyte spec sheets.

- Create a custom fixture with our channel extrusions
- 4 static colors: Red, Amber, Green and Blue
- Closet rated in channel applications



IP20 IP65 IP68 IP69



ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage & Color	
RB	0			
RB - RIBBONLYTE	0 - Static Colors	SCS220 - Static Color Series 2 IP20	1.5R - 1.5 W/ft Red	1.5B - 1.5 W/ft Blue
		SCS265 - Static Color Series 2 IP65	1.5G - 1.5 W/ft Green	1.5A - 1.5 W/ft Amber
		SCS268 - Static Color Series 2 IP68		
		SCS269 - Static Color Series 2 IP69		

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

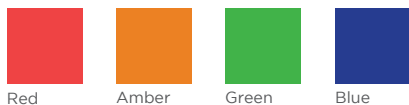


Standard cable length if not specified:

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 and IP69 RibbonLyte

AVAILABLE COLORS



SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

1.5 STATIC COLOR SERIES 2 RIBBONLYTE				
Operating Voltage	24 V			
Power Consumption	1.5 W/ft (4.9 W/m)			
Current (mA)	63 mA/ft (207 mA/m)			
LED Pitch	49 LEDs/ft (160 LEDs/m)			
Protection Rating	IP20, IP65, IP68, IP69			
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	Red	Amber	Green	Blue
Lumens	63 lm/ft (206.6 lm/m)	51 lm/ft (167.3 lm/m)	240 lm/ft (787.2 lm/m)	27 lm/ft (88.6 lm/m)
LED Beam Angle	120°			
Lifetime (L70 reported)	50,000 hours			
Incremental Length	1.97 in (50 mm)			
Constant Voltage	✓			
Lumens/Watt	42 lm/W	34 lm/W	160 lm/W	18 lm/W
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

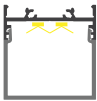
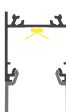
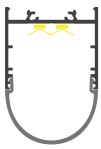
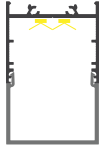
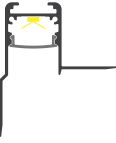
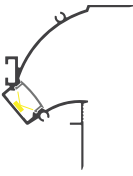
Note: RibbonLyte comes with an adhesive backing, but Acolyte recommends using VHB Tape for extra support in surface mounted applications.

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 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.

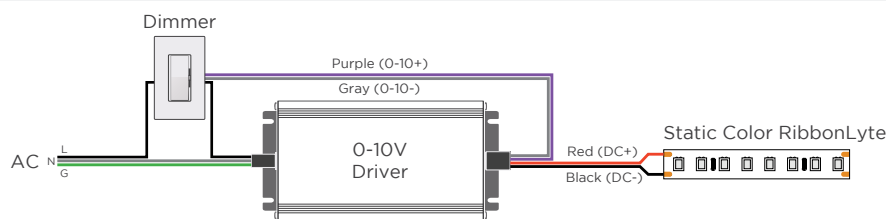
Acolyte does not warrant or represent that the information is free from errors or omission. The information may change without notice and Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

CHANNEL COMPATIBILITY / CHANNEL OPTIONS

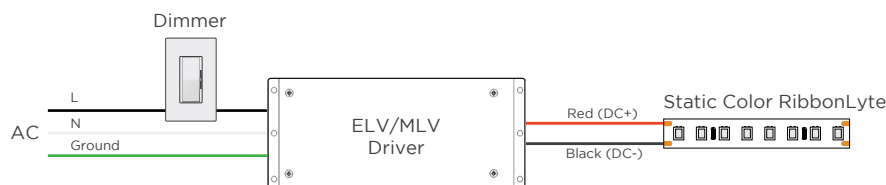
CHANNEL	IP20 IP65	IP68	IP69	SURFACE MOUNTED											
AC1	✓	✓	✓												
AC2	✓	✓	✓												
AC3	✓	✓	✓												
AC5	✓	✓	✓	AS1	AS1GS	AS2	AS3	AS10	AS13 / round lens	AS13 / square lens	AS15L				
AC15L	✓			W: 0.68 in. / 17.2 mm H: 0.34 in. / 8.6 mm	W: 0.67 in. / 17.1 mm H: 0.55 in. / 13.9 mm	W: 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	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: 0.91 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	✓	✓	✓	AS30 / round lens	AS30 / square lens	AS31	AT4	AT5	B1						
AS15L	✓			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						
AS16	✓	✓	✓												
AS20G	✓		✓												
AS20GS	✓														
AS21	✓	✓	✓												
AS23	✓	✓	✓												
AS24R	✓	✓	✓												
AS29L	✓	✓	✓												
AS30	✓	✓	✓												
AS31	✓	✓	✓												
AS53															
AT4	✓	✓	✓												
AT5	✓	✓	✓												
B1	✓	✓	✓												
SC3	✓	✓	✓												
SC10	✓														
SC15L	✓														
SC20C	✓	✓	✓												
SC23	✓	✓	✓												
SC24R	✓	✓	✓												
SC38C	✓	✓	✓												
				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

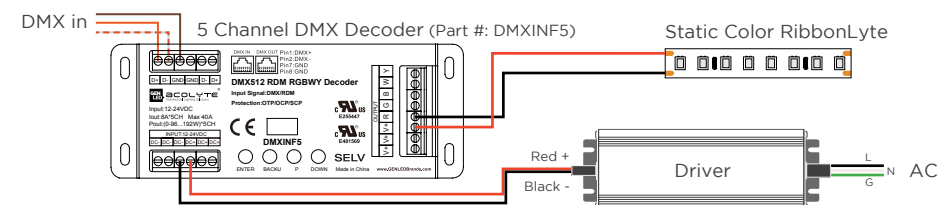
0-10V



MLV / ELV



DMX



WIRE COLORS PER RIBBONLYTE COLOR

STATIC COLOR 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	7.33	1.47	4.81	0.305
10	3.05	14.51	1.45	4.76	0.605
15	4.57	21.38	1.43	4.68	0.891
20	6.10	27.80	1.39	4.56	1.158
25	7.62	33.63	1.35	4.41	1.401
30	9.15	38.75	1.29	4.24	1.615
35	10.67	43.79	1.25	4.10	1.825
40	12.20	46.97	1.17	3.85	1.957
45	13.72	49.15	1.09	3.58	2.048
49	14.94	50.14	1.02	3.36	2.089

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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