

6.1 VARIABLE WHITE LINEA RIBBONLYTE

Variable White Linea RibbonLyte features a "chip on board" design and a special raised coating that allows for diode-free light even without a diffuser lens. A tight pitch of 14 LED chips per inch ensures that either in direct view or in a complete channel fixture, Variable White Linea RibbonLyte provides superior blending without showing individual diodes as you tune it from 2700K to 6500K.

- Tunable from 2700-6500K
- 1.09 in. (27.78 mm) cut lengths
- 86-105 lm/W
- 80+ CRI
- IP67 model available upon request
- 6.1 W/ft (20 W/m)
- All on: 72 lm/W
- All on: 439.02 lm/ft (1439.99 lm/m)

Applications:

Commercial Entertainment Healthcare Hospitality Residential Museums Retail Public Spaces



ORDERING GUIDE

Category

RB - Ribbonlyte

RB







CONNECTION OPTIONS



5. Bare Wire on Both Ends



Standard cable length if not specified:

4. Daisy Chain with IP67 Connectors

- 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 on both ends)

Note: IP67 connectors are used for both IP20 and IP67 RibbonLyte

Note. 1P07 connectors are used for both 1P20 and 1P07 RibbonLyte

AVAILABLE COLOR TEMPERATURES



RoHS

IP20

Date Notes



6.1 VARIABLE WHITE LINEA RIBBONLYTE

SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

	VARIABLE WHITE LINEA RIBBONLYTE				
Operating Voltage	24V				
Color Temperatures	2700K - 6500K				
	Warm White (2700K)	Cool White (6500K)	All On		
Power Consumption	3.1 W/ft (10.17 W/m)	3.1 W/ft (10.17 W/m)	6.1 W/ft (20 W/m)		
Lumens	212.23 lm/ft (696.11 lm/m)	254.76 lm/ft (835.61 lm/m)	439.02 lm/ft (1439.99 lm/m)		
Efficacy	70 lm/W	84 Im/W	72 lm/W		
Current (mA) - 24V	254 mA/ft (834 mA/m)				
LED Pitch	175 LEDs/ft (576 LEDs/m)				
Protection Rating	IP20 (IP67 model available upon request)				
Dimming/Control	DMX / 0-10V with Dimming Module				
Operating Temperature	-40° F to 140° F (-40° C to 60° C)				
LED Beam Angle	180°				
Minimum Bend Diameter	1.97 in. (50 mm)				
Cuttable Length	1.09 in. (27.78 mm)				
CRI	80+ CRI				
Certifications	UL, CE, RoHS				
Warranty	3 years				

DIMENSIONS	Top View - Front of RibbonLyte	Top View - Back of RibbonLyte	Side View	Dimensions
IP20		- +24V - +24V		Width 0.39 in (10 mm) Max Length 16.4 ft (5 m) Height 0.09 in (2.2 mm)
	CUTTABLE EVERY: 1.09 in. (27.78 mm)			

0.5 in. VHB Tape*

OPTIONAL ACCESSORY

0-10V Dimmable 90W VW/WD Driver



Part Number: DRVRFWDVW2490120



Provides superior holding power in surface mounted applications Part Number: VHBTAPE0.5BK Flat Mounting Clip

For mounting I20 RibbonLyte Part Number: RBMNTSIL

* 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.

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CHANNEL COMPATIBILITY / CHANNEL OPTIONS

<u></u>	1000
CHANNEL	IP20
AC1	~
AC2	~
AC3	~
AC4	~
AC5	~
AR1	~
AR3	~
AR10	
AR16	~
AR20	~
AR25	~
AR30	~
AR33	
AS1	~
AS2	\checkmark
AS3	~
AS6	\checkmark
AS10	
AS13	\checkmark
AS16	~
AS20G	~
AS23	~
AS30	\checkmark
AS53	
AT4	\checkmark
AT5	~
AW12	~
AW14	~
AW38	~
B1	~
SC3	~
SC4	~
SC5	~



W: 0.68 in. / 17.2 mm H: 0.34 in. / 8.7 mm Inside: 0.57 in. / 14.6 mm



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

∆т4

AC1

1 AR1

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

CORNER CHANNELS

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

RECESSED CHANNELS



AT5

AC2

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

AR3

W: 1.2 in. / 30.5 mm H: 0.39 in. / 9.9 mm Inside W: 0.81 in. / 20.6 mm

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

AS2

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



AS3

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

W: 0.91 in. / 23 mm H: 0.99 in. / 25.1 mm



AW12

AC3

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

AR16

W: 1.1 in. / 28 mm H: 0.73 in. / 18.6 mm Inside W: 0.65 in. / 16.4 mm Inside H: 0.64 in. / 16.2 mm

W: 0.91 in. / 23 mm H: 2.17 in. / 55 mm Inside W: 0.56 in. / 14.2 mm Inside H: 0.22 in. / 5.5 mm

Inside W: 0.83 in. / 21 mm Inside H: 0.72 in. / 18.2 mm



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

AW38

AC4

W: 1.17 in. / 29.72 mm H: 1.17 in. / 29.72 mm Inside W: 0.8 in. / 20.32 mm



AS23 / square milky

W: 0.91 in. / 23 mm H: 1.59 in. / 40.5 mm Inside W: 0.83 in. / 21 mm Inside H: 1.32 in. / 33.4 mm

AS6

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

B1



AS16

AS30

W: 0.74 in. / 18.8 mm H: 0.73 in. / 18.6 mm Inside W: 0.65 in. / 16.4 mm Inside H: 0.63 in. / 16 mm

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

AS20G

W: 0.61 in. / 15.5 mm H: 0.47 in. / 12 mm H w/ lens: 0.71 in. / 18 mm Inside W: 0.42 in. / 10.7 mm



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

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



W: 1.11 in. / 28.19 mm H: 1.11 in. / 28.19 mm Inside W: 0.8 in. / 20.32 mm



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



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

MUD-IN CHANNELS SC3 SC5 SC4 Overall W: 2.62 in. / 66.6 mm Visible W: 0.88 in. / 22.35 mm H: 0.55 in. / 14 mm Inside W: 0.69 in. / 17.5 mm 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 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

W: 1.18 in. / 30 mm H: 0.8 in. / 20.4 mm Inside W/H: 0.83 in. / 21 mm Inside H: 0.73 in. / 18.5 mm

AR20

DISCLAIMER

When installing this product take into account the surface temperature of the material this product is mounted to. Many building surfaces which are exposed to direct sunlight exceed the 70°C/158°F maximum that our product is rated for. High risk locations like this should be avoided.

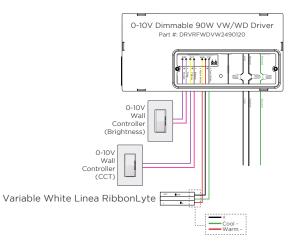
Our IP68 product is not intended to be submerged in pools and fountains and does not carry UL676 certification to do so.



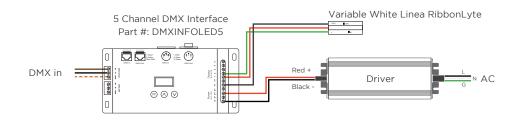
6.1 VARIABLE WHITE LINEA RIBBONLYTE

WIRING DIAGRAMS

2-CHANNEL VARIABLE WHITE DIMMING



DMX WIRING DIAGRAM - COMPATIBLE WITH ALL MODELS OF VARIABLE WHITE RIBBONLYTE



WIRE COLORS PER RIBBONLYTE COLOR

VARIABLE WHITE

Black Wire (+) Positive Red Wire (-) Warm Channel Green Wire (-) Cool Channel