

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.

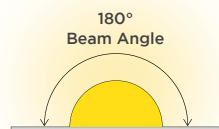
- Tunable from 2700-6500K
- 1.09 in. (27.78 mm) cut lengths
- 86-105 lm/W
- 80+ CRI
- IP67 model available upon request
- 6.1 W/ft (20 W/m)
- All on: 72 lm/W
- All on: 439.02 lm/ft (1439.99 lm/m)

Applications:

Commercial
Entertainment
Healthcare

Hospitality
Museums
Public Spaces

Residential
Retail



RoHS

IP20

Declare.



ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color
RB	0	LINEA20	6.1VW
RB - Ribbonlyte	0 - Color Changing	LINEA20 - Linea RibbonLyte IP20	6.1VW - 6.1 W/ft (20 W/m) Variable White (2700K-6500K)

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 on both ends)

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

AVAILABLE COLOR TEMPERATURES



VW

SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

VARIABLE WHITE LINEA RIBBONLYTE			
Operating Voltage	24 V		
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 lm/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 / DALI / CASAMBI		
Operating Temperature	-40 — 140 °F (-40 — 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				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)				

OPTIONAL ACCESSORY

0-10V Dimmable 90W VW/WD Driver	0.5 in. VHB Tape*	Flat Mounting Clip
 Part Number: DRVRFWDVW2490120	 Provides superior holding power in surface mounted applications Part Number: VHBTAPE0.5BK	 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.

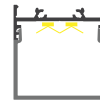
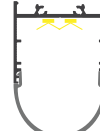
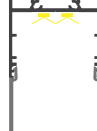
USAGE GUIDELINES

- 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 60 °C / 140 °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 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.

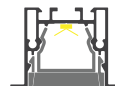
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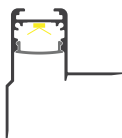
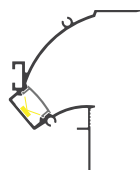
CHANNEL COMPATIBILITY / CHANNEL OPTIONS

CHANNEL	IP20	SURFACE MOUNTED							
AC1	✓								
AC2	✓								
AC3	✓								
AC5	✓								
AC15L	✓								
AR1	✓								
AR3	✓								
AR15L	✓								
AR15AL	✓								
AR24R	✓								
AR29L	✓								
AS1	✓								
AS1GS	✓								
AS2	✓								
AS3	✓								
AS10									
AS13	✓								
AS15L	✓								
AS16	✓								
AS20G	✓								
AS20GS									
AS21	✓								
AS23	✓								
AS24R	✓								
AS29L	✓								
AS30	✓								
AS31	✓								
AS53									
AT4	✓								
AT5	✓								
B1	✓								
SC3	✓								
SC10	✓								
SC15L	✓								
SC20C	✓								
SC23	✓								
SC24R	✓								
SC38C	✓								

SURFACE MOUNTED							
							
AS1	AS1GS	AS2	AS3	AS13 / round lens	AS13 / square lens	AS15L	AS16
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: 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	W: 0.74 in. / 18.8 mm H: 0.73 in. / 18.6 mm
							
AS20G	AS21	AS23	AS24R	AS29L	AS30 / round lens	AS30 / square lens	
W: 0.61 in. / 15.5 mm H: 0.71 in. / 18 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	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	
							
AS31	AT4	AT5	B1				
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				

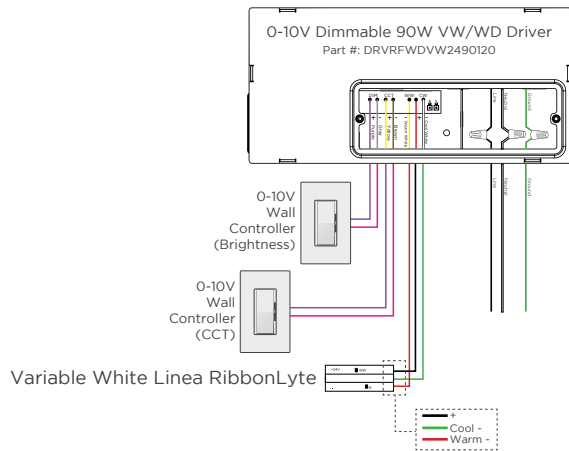
CORNER					
					
AC1	AC2	AC3	AC5	AC15L	
W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm	W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm	W: 0.74 in. / 18.8 mm H: 0.74 in. / 18.8 mm	W: 1.18 in. / 30 mm H: 1.18 in. / 30 mm	W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm	

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

2-CHANNEL VARIABLE WHITE DIMMING



WIRE COLORS PER RIBBONLYTE COLOR

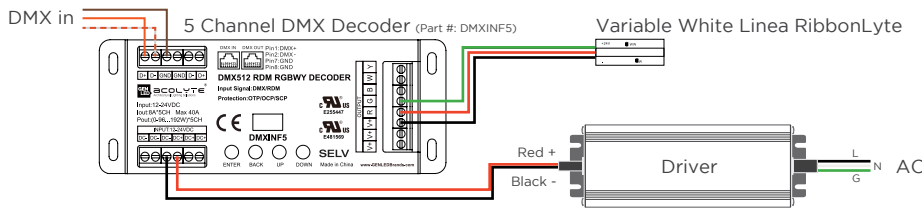
VARIABLE WHITE

Black Wire (+) Positive

Red Wire (-) Warm Channel

Green Wire (-) Cool Channel

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



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	28.06	5.61	18.41	1.169
10	3.05	44.91	4.49	14.73	1.871
15	4.57	47.58	3.17	10.40	1.983
16.4	5.00	48.02	2.93	9.60	2.001

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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GLOBAL HQ

320 Murray Hill Pkwy
East Rutherford, NJ 07073
U.S.
T: (+1) 212 629 6830
E: Sales-US@GENLEDBrands.com

EUROPEAN HQ

Hogeweyselaan 119
1382 JK Weesp
Netherlands
T: (+31) 346 235 000
E: SalesEurope@GENLEDBrands.com

MEINA HQ

PO Box 371378, #823, Building 4EA
Dubai Airport Free Zone
Dubai, UAE
T: (+971) 4 701 7901
E: SalesMEINA@genledbrands.com

ASIA-PACIFIC HQ

Room 402, Building D
Shenhi Tongchuang Science and Technology Park
No. 16 Hongyin Road
Xingqiang Community, Xinhua Street
Guangming District, Shenzhen, China 518107
T: (+86) 755 8529 0710
E: Sales-Pacific@GENLEDBrands.com