

4.5 VARIABLE WHITE XACTA RIBBONLYTE

Xacta RibbonLyte is the most precise RibbonLyte we've ever created. Xacta RibbonLyte lets you cut between any LED to create custom fixtures of any exact length. Variable White Xacta RibbonLyte uses warm white and cool white chips in each LED to let you adjust for brightness and CCT with incremental lengths of just 0.2 in. (5 mm). Design custom Variable White Xacta RibbonLyte fixtures with Acolyte channel fixtures.

- 0.2 in. (5 mm) incremental length
- 4.5 W/ft (14.8 W/m)
- Variable White (2400K-6000K)
- 133.5 lm/W (all on)
- 569.8 lm/ft (1869.3 lm/m) (all on)



RoHS

IP20



Declare.

ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color
RB	0	XACTA20	4.5VW
RB - Ribbonlyte	0 - Color Changing	XACTA20 - Xacta RibbonLyte IP20	4.5VW - 4.5 W/ft (14.8 W/m) Variable White

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. (305 mm) cable with bare wire (custom length up to 20 feet / 6 meters)
2. Standard 12 in. (305 mm) cable with IP67 connectors (custom length up to 10 feet / 3 meters)
3. Daisy chain with 3 in. (76 mm) cable between runs (custom length up to 36 in. / 914 mm)

4. 3 in. (305 mm) cable between IP67 connector and RibbonLyte (custom length up to 18 in. / 457 mm)
 5. Standard 12 in. (305 mm) cable with bare wire (custom length up to 10 feet / 3 meters)
- Note: IP67 connectors are used for IP20 RibbonLyte

AVAILABLE COLOR TEMPERATURES



VW

SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

4.5 VARIABLE WHITE XACTA RIBBONLYTE			
Operating Voltage	24 V		
Color Temperatures	2400K - 6000K		
	Warm White (2400K)	Cool White (6000K)	All On
Power Consumption	2.25 W/ft (7.4 W/m)	2.25 W/ft (7.4 W/m)	4.5 W/ft (14.8 W/m)
Lumens	471.7 lm/ft (1547.5 lm/m)	527.8 lm/ft (1731.6 lm/m)	569.8 lm/ft (1869.3 lm/m)
Efficacy	124.4 lm/W	139.4 lm/W	133.5 lm/W
Current (mA)	172 mA/ft (564.2 mA/m)	167.8 mA/ft (550.5 mA/m)	193.1 mA/ft (633.7 mA/m)
LED Pitch	122 LEDs/ft (400 LEDs/m)		
Protection Rating	IP20		
Dimming/Control	Controlled with an external multi-channel 0-10V Driver / multi-channel DALI driver / CASAMBI driver or by DMX with an external interface and driver		
Operating Temperature	-40 – 140 °F (-40 – 60 °C)		
Lifetime (L70 reported)	50,000 hours		
Incremental Length	0.2 in. (5 mm)		
Constant Voltage	✓		
Cable Length	12 in. (30.5 cm)		
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 CE		
Warranty	6 years		

*2-Channel 0-10V Dimming maintains a consistent light output level while changing color temperatures.

DIMENSIONS	Top View	Side View	Dimensions
IP20	 Incremental length: 0.2 in (5 mm)		Width 0.31 in (8 mm) Max Length 19.03 ft (5.8 m) Height 0.06 in (1.45 mm)

OPTIONAL ACCESSORY

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

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

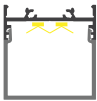
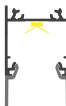
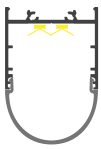
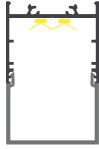
USAGE GUIDELINES

- 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.
- 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.

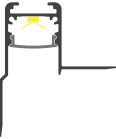
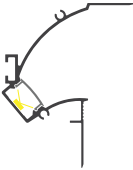
CHANNEL COMPATIBILITY / CHANNEL OPTIONS

CHANNEL	IP20	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 W: 0.68 in. / 17.2 mm H: 0.34 in. / 8.6 mm	AS1GS W: 0.67 in. / 17.1 mm H: 0.55 in. / 13.9 mm	AS2 W: 0.7 in. / 17.8 mm H: 0.6 in. / 15.2 mm	AS3 W: 0.93 in. / 23.6 mm H: 0.42 in. / 10.7 mm	AS10 W: 0.47 in. / 12 mm H: 0.47 in. / 12 mm	AS13 / round lens W: 1.31 in. / 33.4 mm H: 1.29 in. / 32.7 mm	AS13 / square lens W: 1.31 in. / 33.4 mm H: 1.37 in. / 34.8 mm	AS15L W: 0.59 in. / 15 mm H: 0.59 in. / 15 mm		
											
		AS16 W: 0.74 in. / 18.8 mm H: 0.73 in. / 18.6 mm	AS20G W: 0.61 in. / 15.5 mm H: 0.71 in. / 18 mm	AS20GS W: 1.11 in. / 28.3 mm H: 1.57 in. / 40 mm	AS21 W: 0.79 in. / 20 mm H: 0.82 in. / 20.84 mm	AS23 W: 0.91 in. / 23 mm H: 1.59 in. / 40.5 mm	AS24R W: 0.91 in. / 23 mm H: 1.03 in. / 26.2 mm	AS29L W: 1.18 in. / 30 mm H: 1.15 in. / 29.2 mm			
											
		AS30 / round lens W: 1.31 in. / 33.4 mm H: 1.95 in. / 49.5 mm	AS30 / square lens W: 1.31 in. / 33.4 mm H: 2.03 in. / 51.6 mm	AS31 W: 1.18 in. / 30 mm H: 1.22 in. / 30.92 mm	AT4 W: 0.77 in. / 19.6 mm H: 0.74 in. / 18.8 mm	AT5 W: 0.77 in. / 19.6 mm H: 0.74 in. / 18.8 mm	B1 W: 0.77 in. / 19.6 mm H: 0.26 in. / 6.5 mm				

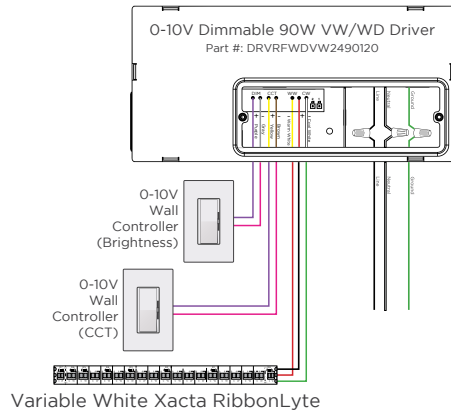
		CORNER				
						
		AC1 W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm	AC2 W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm	AC3 W: 0.74 in. / 18.8 mm H: 0.74 in. / 18.8 mm	AC5 W: 1.18 in. / 30 mm H: 1.18 in. / 30 mm	AC15L W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm

		RECESSED					
							
		AR1 W: 0.9 in. / 22.9 mm H: 0.31 in. / 7.87 mm	AR3 W: 1.2 in. / 30.5 mm H: 0.42 in. / 10.8 mm	AR15L W: 0.59 in. / 15 mm H: 0.53 in. / 13.5 mm	AR15AL W: 1.31 in. / 33.3 mm H: 0.6 in. / 15.3 mm	AR24R W: 1.3 in. / 33 mm H: 1.03 in. / 26.2 mm	AR29L W: 1.57 in. / 40 mm H: 1.15 in. / 29.2 mm

		MUD-IN						
								
		SC3 W: 2.62 in. / 66.6 mm H: 0.55 in. / 14 mm	SC10 W: 1.41 in. / 35.9 mm H: 0.56 in. / 14.1 mm	SC20C W: 1.66 in. / 42.2 mm H: 1.89 in. / 48.1 mm	SC24R W: 2.48 in. / 63 mm H: 1.03 in. / 26.2 mm	SC15L W: 2.17 in. / 55 mm H: 0.39 in. / 9.8 mm	SC23 W: 0.93 in. / 23.7 mm H: 3.46 in. / 88 mm	SC38C W: 2.32 in. / 58.9 mm H: 2.85 in. / 72.3 mm

WIRING DIAGRAMS

2-CHANNEL VARIABLE WHITE DIMMING



WIRE COLORS

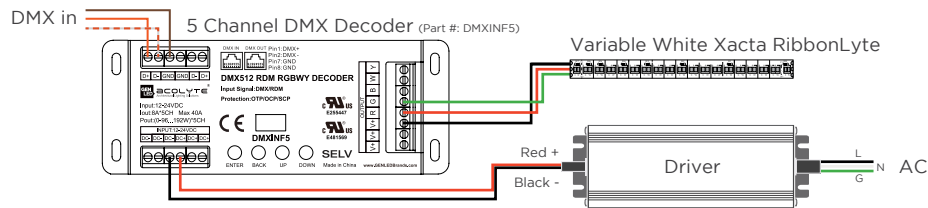
VARIABLE WHITE

Black Wire (+) Positive

Red Wire (-) Warm Channel

Green Wire (-) Cool Channel

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



REV.03AUG2026

GLOBAL HQ

320 Murray Hill Pkwy
East Rutherford, NJ 07073
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
Shenchi Tongchuang Science and Technology Park
No. 16 Hongyin Road
Xingqiang Community, Xinhui Street
Guangming District, Shenzhen, China 518107
T: (+86) 755 8529 0710
E: Sales-Pacific@GENLEDBrands.com