GEN LED acolyte® Architectural Lighting Solutions

Date | Project

Notes

1.5 STATIC 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. Available in nine brilliant CCTs (1800K-6000K), dimmable Static White Xacta RibbonLyte offers 92+ CRI and incremental lengths of just 0.2 in. (5 mm). Design custom Xacta RibbonLyte fixtures with Acolyte channel fixtures.

- 0.2 in. (5 mm) incremental length
- 1.5 W/ft (4.9 W/m)
- 9 white color temperatures
- 162.04 lm/W at 3000K
- 224.6 lm/ft (736.8 lm/m) at 3000K
- 92+ CRI
- Closet rated in channel applications

c UL us LISTED | CE | RoHS | IP20

TM66 ASSESSED | Declare. | TITLE 24 JA8 COMPLIANT 2200K-4000K

ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage & Color Temperature	
RB	**90**	**XACTA20**		
RB - RIBBONLYTE	**90** - 90+ CRI Static White	**XACTA20** - Xacta RibbonLyte IP20	**1.518** - 1.5 W/ft (4.9 W/m) 1800K	**1.530** - 1.5 W/ft (4.9 W/m) 3000K
			1.520 - 1.5 W/ft (4.9 W/m) 2000K	**1.535** - 1.5 W/ft (4.9 W/m) 3500K
			1.522 - 1.5 W/ft (4.9 W/m) 2200K	**1.540** - 1.5 W/ft (4.9 W/m) 4000K
			1.524 - 1.5 W/ft (4.9 W/m) 2400K	**1.560** - 1.5 W/ft (4.9 W/m) 6000K
			1.527 - 1.5 W/ft (4.9 W/m) 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. (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

1800K | 2000K | 2200K | 2400K | 2700K | 3000K | 3500K | 4000K | 6000K

SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

	1.5 STATIC WHITE XACTA RIBBONLYTE								
Operating Voltage	24 V								
Power Consumption	1.5 W/ft (4.9 W/m)								
Current (mA)	70.3 mA/ft (230.5 mA/m)								
LED Pitch	61 LEDs/ft (200 LEDs/m)								
Protection Rating	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)								
Color Temperatures	1800K	2000K	2200K	2400K	2700K	3000K	3500K	4000K	6000K
Lumens	142.3 lm/ft (467 lm/m)	137 lm/ft (449.3 lm/m)	142.8 lm/ft (468.4 lm/m)	168.2 lm/ft (552 lm/m)	227.8 lm/ft (747.4 lm/m)	224.6 lm/ft (736.8 lm/m)	209.2 lm/ft (686.3 lm/m)	214.1 lm/ft (702.5 lm/m)	232 lm/ft (761.2 lm/m)
Lumens/Watt	100.83 lm/W	97.02 lm/W	101.12 lm/W	119.18 lm/W	162.55 lm/W	162.04 lm/W	148 lm/W	151.69 lm/W	164.35 lm/W
LED Beam Angle	120°								
Lifetime (L80 reported)	60,000 hours								
Incremental Length	0.2 in (5 mm)								
CRI - All Color Temp.	92+ CRI								
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	Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5). IP20: 6 years								

24V DIMENSIONS	Top View	Side View	Dimensions
IP20	 Incremental length: 0.2 in (5 mm)		**Width** 0.31 in (8 mm) **Max Length** 32.74 ft (9.98 m) **Height** 0.06 in (1.45 mm)

OPTIONAL ACCESSORY

Flat Mounting Clip	0.5 in. VHB Tape*
 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 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.**
- 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.

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
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	✓
AS53	
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

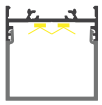
AS1GS
W: 0.67 in. / 17.1 mm
H: 0.55 in. / 13.9 mm

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

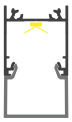
AS15L
W: 0.59 in. / 15 mm
H: 0.59 in. / 15 mm

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

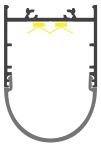
AS21
W: 0.79 in. / 20 mm
H: 0.82 in. / 20.84 mm



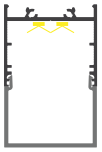
AS23
W: 0.91 in. / 23 mm
H: 1.59 in. / 40.5 mm

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

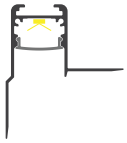
AR24R
W: 1.3 in. / 33 mm
H: 1.03 in. / 26.2 mm

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

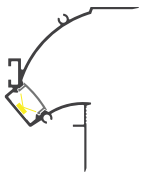


SC20C
W: 1.66 in. / 42.2 mm
H: 1.89 in. / 48.1 mm

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

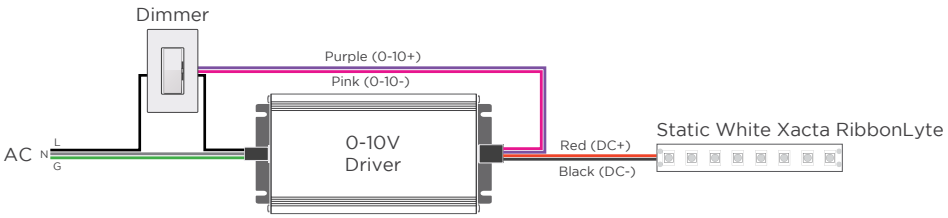
SC23
W: 0.93 in. / 23.7 mm
H: 3.46 in. / 88 mm



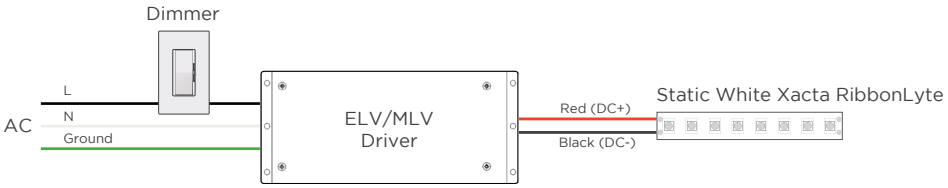
SC38C
W: 2.32 in. / 58.9 mm
H: 2.85 in. / 72.3 mm

WIRING DIAGRAMS

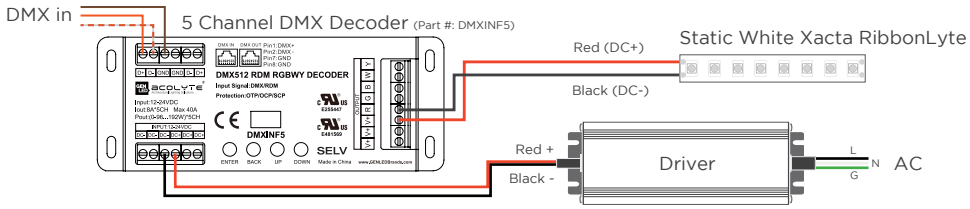
0-10V



MLV / ELV



DMX



WIRE COLORS

STATIC WHITE

Red Wire (+) Positive

Black Wire (-) Negative

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