

### 3.0 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
- 3.0 W/ft (9.8 W/m)
- 9 white color temperatures
- 167.37 lm/W at 4000K
- 451.1 lm/ft (1479.9 lm/m) at 4000K
- 92+ CRI
- Closet rated in channel applications



RoHS

IP20



Declare.



### 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 | <b>3.018</b> - 3.0 W/ft (9.8 W/m) 1800K<br><b>3.020</b> - 3.0 W/ft (9.8 W/m) 2000K<br><b>3.022</b> - 3.0 W/ft (9.8 W/m) 2200K<br><b>3.024</b> - 3.0 W/ft (9.8 W/m) 2400K<br><b>3.027</b> - 3.0 W/ft (9.8 W/m) 2700K | <b>3.030</b> - 3.0 W/ft (9.8 W/m) 3000K<br><b>3.035</b> - 3.0 W/ft (9.8 W/m) 3500K<br><b>3.040</b> - 3.0 W/ft (9.8 W/m) 4000K<br><b>3.060</b> - 3.0 W/ft (9.8 W/m) 6000K |

### 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

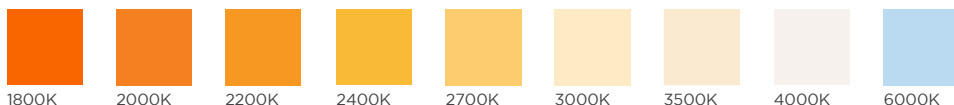


#### Standard cable length if not specified:

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



SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

| 3.0 STATIC WHITE XACTA RIBBONLYTE |                                                                                                                                                                                                                                                                                                                                                                                                                                    |                             |                              |                            |                              |                            |                              |                              |                              |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------|----------------------------|------------------------------|----------------------------|------------------------------|------------------------------|------------------------------|
| Operating Voltage                 | 24 V                                                                                                                                                                                                                                                                                                                                                                                                                               |                             |                              |                            |                              |                            |                              |                              |                              |
| Power Consumption                 | 3.0 W/ft (9.8 W/m)                                                                                                                                                                                                                                                                                                                                                                                                                 |                             |                              |                            |                              |                            |                              |                              |                              |
| Current (mA)                      | 126.1 mA/ft (413.7 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                            | 236.1 lm/ft<br>(774.8 lm/m)                                                                                                                                                                                                                                                                                                                                                                                                        | 276.2 lm/ft<br>(906.1 lm/m) | 306.8 lm/ft<br>(1006.4 lm/m) | 321.6 lm/ft<br>(1055 lm/m) | 429.3 lm/ft<br>(1408.4 lm/m) | 426.7 lm/ft<br>(1400 lm/m) | 416.5 lm/ft<br>(1366.3 lm/m) | 451.1 lm/ft<br>(1479.9 lm/m) | 439.2 lm/ft<br>(1440.8 lm/m) |
| Lumens/Watt                       | 87.62 lm/W                                                                                                                                                                                                                                                                                                                                                                                                                         | 102.48 lm/W                 | 113.82 lm/W                  | 119.31 lm/W                | 158.38 lm/W                  | 159.24 lm/W                | 155 lm/W                     | 167.37 lm/W                  | 162.95 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.<br>CSA C22.2 No. 250.0, General Requirements for Luminaires.<br>RoHS compliant.<br>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           |  <p>Incremental length: 0.2 in (5 mm)</p> |  | <p>Width 0.31 in (8 mm)</p> <p>Max Length 23.62 ft (7.2 m)</p> <p>Height 0.06 in (1.45 mm)</p> |

OPTIONAL ACCESSORY

| Flat Mounting Clip                                                                                               | 0.5 in. VHB Tape*                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Part Number: RBMNTSIL</p> |  <p>Provides superior holding power in surface mounted applications<br/>Part Number: VHBTAPE0.5BK</p> |

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

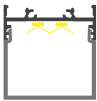
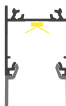
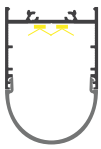
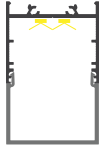
USAGE GUIDELINES

- 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.

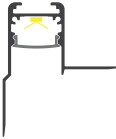
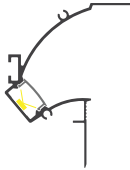
CHANNEL COMPATIBILITY / CHANNEL OPTIONS

| CHANNEL | IP20 | 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                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |  |  |
|--|--|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|--|
|  |  |  |  |  |  |   |  |  |  |  |  |
|  |  | <b>AS1</b><br>W: 0.68 in. / 17.2 mm<br>H: 0.34 in. / 8.6 mm                       | <b>AS1GS</b><br>W: 0.67 in. / 17.1 mm<br>H: 0.55 in. / 13.9 mm                    | <b>AS2</b><br>W: 0.7 in. / 17.8 mm<br>H: 0.6 in. / 15.2 mm                        | <b>AS3</b><br>W: 0.93 in. / 23.6 mm<br>H: 0.42 in. / 10.7 mm                      | <b>AS10</b><br>W: 0.47 in. / 12 mm<br>H: 0.47 in. / 12 mm                          | <b>AS13 / round lens</b><br>W: 1.31 in. / 33.4 mm<br>H: 1.29 in. / 32.7 mm          | <b>AS13 / square lens</b><br>W: 1.31 in. / 33.4 mm<br>H: 1.37 in. / 34.8 mm         | <b>AS15L</b><br>W: 0.59 in. / 15 mm<br>H: 0.59 in. / 15 mm                          |  |  |
|  |  |  |  |  |  |  |  |  |                                                                                     |  |  |
|  |  | <b>AS16</b><br>W: 0.74 in. / 18.8 mm<br>H: 0.73 in. / 18.6 mm                     | <b>AS20G</b><br>W: 0.61 in. / 15.5 mm<br>H: 0.71 in. / 18 mm                      | <b>AS20GS</b><br>W: 1.11 in. / 28.3 mm<br>H: 1.57 in. / 40 mm                     | <b>AS21</b><br>W: 0.79 in. / 20 mm<br>H: 0.82 in. / 20.84 mm                      | <b>AS23</b><br>W: 0.91 in. / 23 mm<br>H: 1.59 in. / 40.5 mm                        | <b>AS24R</b><br>W: 0.91 in. / 23 mm<br>H: 1.03 in. / 26.2 mm                        | <b>AS29L</b><br>W: 1.18 in. / 30 mm<br>H: 1.15 in. / 29.2 mm                        |                                                                                     |  |  |
|  |  |  |  |  |  |  |  |                                                                                     |                                                                                     |  |  |
|  |  | <b>AS30 / round lens</b><br>W: 1.31 in. / 33.4 mm<br>H: 1.95 in. / 49.5 mm        | <b>AS30 / square lens</b><br>W: 1.31 in. / 33.4 mm<br>H: 2.03 in. / 51.6 mm       | <b>AS31</b><br>W: 1.18 in. / 30 mm<br>H: 1.22 in. / 30.92 mm                      | <b>AT4</b><br>W: 0.77 in. / 19.6 mm<br>H: 0.74 in. / 18.8 mm                      | <b>AT5</b><br>W: 0.77 in. / 19.6 mm<br>H: 0.74 in. / 18.8 mm                       | <b>B1</b><br>W: 0.77 in. / 19.6 mm<br>H: 0.26 in. / 6.5 mm                          |                                                                                     |                                                                                     |  |  |

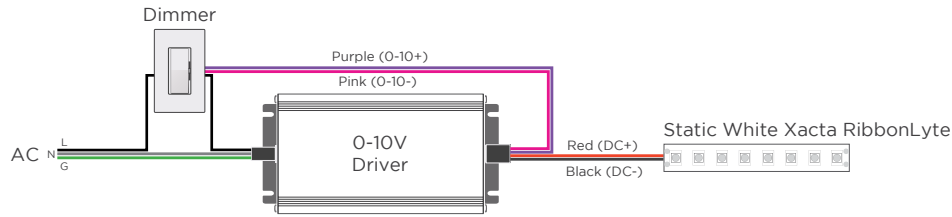
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|  |  |  |  |  |  |  |
|  |  | <b>AC1</b><br>W: 0.63 in. / 16 mm<br>H: 0.63 in. / 16 mm                            | <b>AC2</b><br>W: 0.63 in. / 16 mm<br>H: 0.63 in. / 16 mm                            | <b>AC3</b><br>W: 0.74 in. / 18.8 mm<br>H: 0.74 in. / 18.8 mm                        | <b>AC5</b><br>W: 1.18 in. / 30 mm<br>H: 1.18 in. / 30 mm                            | <b>AC15L</b><br>W: 0.63 in. / 16 mm<br>H: 0.63 in. / 16 mm                          |

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

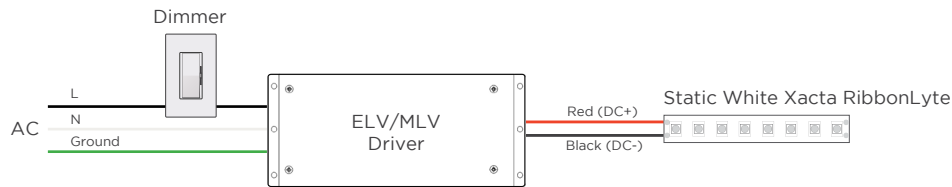
|  |  | MUD-IN                                                                              |                                                                                     |                                                                                     |                                   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

## WIRING DIAGRAMS

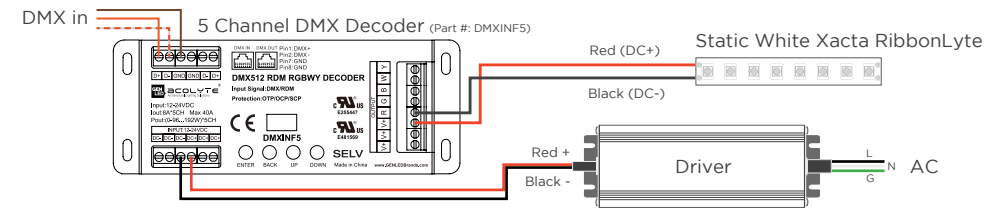
### 0-10V



### MLV / ELV



### DMX



### WIRE COLORS PER

STATIC WHITE  
Red Wire (+) Positive  
Black Wire (-) Negative

REV.03AUG2026

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