

## STATIC WHITE SERIES 2 RIBBONLYTE 2.2

Our Series 2 Static White RibbonLyte provides a 40% or more increase in lumens per watt, lumens per foot and LEDs per foot. Our Series 2 product line offers a 90+ CRI with tighter LED spacing and shorter cuttable lengths for improved design flexibility.

- 2.2 W/ft (7.2 W/m)
- Create a custom fixture with our channels
- 9 white color temperatures
- 90+ CRI
- 2-Step MacAdam ellipse binning
- Closet rated (standalone or surface channels)

### Applications:

Commercial  
Entertainment  
Healthcare

Hospitality  
Museums  
Public Spaces

Residential  
Retail



**RoHS**

**IP20**

**IP65\***

**IP68**

\* 1800K, 2000K, 2200K are not available in IP65 and IP68



## ORDERING GUIDE

| Category               | CRI                              | Ribbon Type & IP Rating                         | Wattage & Color                           |                               |
|------------------------|----------------------------------|---|---|-------------------------------|
| <b>RB</b>              | <b>90</b>                        |   |   |                               |
| <b>RB - RIBBONLYTE</b> | <b>90 - 90+ CRI Static White</b> |   |   |                               |
|                        |                                  | <b>SWS220</b> - Static White Series 2 IP20      | <b>2.218</b> - 2.2 W/ft 1800K (IP20 Only) | <b>2.230</b> - 2.2 W/ft 3000K |
|                        |                                  | <b>SWS265</b> - Static White Series 2 IP65      | <b>2.220</b> - 2.2 W/ft 2000K (IP20 Only) | <b>2.235</b> - 2.2 W/ft 3500K |
|                        |                                  | (2400K, 2700K, 3000K, 3500K, 4000K, 6000K Only) | <b>2.222</b> - 2.2 W/ft 2200K (IP20 Only) | <b>2.240</b> - 2.2 W/ft 4000K |
|                        |                                  | <b>SWS268</b> - Static White Series 2 IP68      | <b>2.224</b> - 2.2 W/ft 2400K             | <b>2.260</b> - 2.2 W/ft 6000K |
|                        |                                  | (2400K, 2700K, 3000K, 3500K, 4000K, 6000K Only) | <b>2.227</b> - 2.2 W/ft 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. 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)

Note: IP67 connectors are used for both IP20 and IP65/IP68 RibbonLyte

## AVAILABLE COLOR TEMPERATURES



1800K



2000K



2200K



2400K



2700K



3000K



3500K



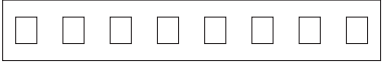



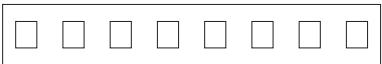

4000K



6000K

SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

| STATIC WHITE SERIES 2 RIBBONLYTE 2.2 |   |                         |                         |                         |                         |                         |                         |                         |                         |
|--------------------------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Operating Voltage                    | 24 V  |                         |                         |                         |                         |                         |                         |                         |                         |
| Power Consumption                    | 2.2 W/ft (7.2 W/m)  |                         |                         |                         |                         |                         |                         |                         |                         |
| Current (mA) - 24V                   | 92 mA/ft (302 mA/m)   |                         |                         |                         |                         |                         |                         |                         |                         |
| LED Pitch                            | 49 LEDs/ft (160 LEDs/m)   |                         |                         |                         |                         |                         |                         |                         |                         |
| Protection Rating                    | IP20, IP65, IP68 (1800K, 2000K, and 2200K are only available in IP20)   |                         |                         |                         |                         |                         |                         |                         |                         |
| Dimming/Control                      | MLV / 0-10 Volt / Lutron Hi-lume 1% dimming & Hi-lume Premier 0.1% L3D0 LED drivers / Lutron VIVE code compliance available / ELV / DALI  |                         |                         |                         |                         |                         |                         |                         |                         |
| Operating Temperature                | -40° F to 158° F (-40° C to 70° C)  |                         |                         |                         |                         |                         |                         |                         |                         |
| Colors Temperatures                  | 1800K   | 2000K                   | 2200K                   | 2400K                   | 2700K                   | 3000K                   | 3500K                   | 4000K                   | 6000K                   |
| MacAdam Ellipses (SDCM)              | 2-Step Binning  |                         |                         |                         |                         |                         |                         |                         |                         |
| Lumens                               | 183 lm/ft<br>(599 lm/m)   | 211 lm/ft<br>(693 lm/m) | 233 lm/ft<br>(765 lm/m) | 244 lm/ft<br>(801 lm/m) | 264 lm/ft<br>(866 lm/m) | 268 lm/ft<br>(880 lm/m) | 279 lm/ft<br>(916 lm/m) | 293 lm/ft<br>(960 lm/m) | 281 lm/ft<br>(934 lm/m) |
| Binning Tolerance                    | +/- 100K  |                         |                         |                         |                         |                         |                         |                         |                         |
| LED Beam Angle                       | 120°  |                         |                         |                         |                         |                         |                         |                         |                         |
| Lamp Life                            | 50,000 Hrs  |                         |                         |                         |                         |                         |                         |                         |                         |
| Cutable Length                       | 1.96 in (50 mm)   |                         |                         |                         |                         |                         |                         |                         |                         |
| CRI - All Color Temp.                | 90+ CRI   |                         |                         |                         |                         |                         |                         |                         |                         |
| Lumens/Watt                          | 83 lm/W   | 96 lm/W                 | 105 lm/W                | 111 lm/W                | 120 lm/W                | 122 lm/W                | 127 lm/W                | 133 lm/W                | 128 lm/W                |
| 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 UL 2108.<br>Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5). |                         |                         |                         |                         |                         |                         |                         |                         |
| Warranty                             | IP20: 6 years, IP65/68: 3 years   |                         |                         |                         |                         |                         |                         |                         |                         |
















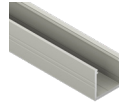












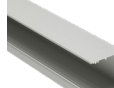











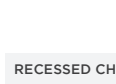
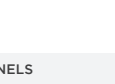







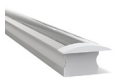












| 24V DIMENSIONS | Top View   | Side View   | Dimensions   |
|----------------|--|---|--|
| IP20           |  <p>CUTTABLE EVERY: 1.97 in (50 mm)</p> |  | <p>Width 0.31 in (8 mm)</p> <p>Max Length* 42 ft (12.8 m)</p> <p>Height 0.06 in (1.45 mm)</p>    |
| IP65           |  <p>CUTTABLE EVERY: 1.97 in (50 mm)</p> |  | <p>Width 0.31 in (8 mm)</p> <p>Max Length* 32.8 ft (10 m)</p> <p>Height 0.1 in (2.5 mm)</p>      |
| IP68           |  <p>CUTTABLE EVERY: 1.97 in (50 mm)</p> |  | <p>Width 0.44 in (11.18 mm)</p> <p>Max Length* 32.8 ft (10 m)</p> <p>Height 0.18 in (4.5 mm)</p> |

USAGE GUIDELINES

- IP65 and IP68 RibbonLyte are not field cuttable. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of this on the field or by end user will result in a voided warranty.
- 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 IP65 can be used in wet, outdoor locations around swimming 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 our RibbonLyte Proper Use Guide in our *Application Guide* for more information. Available for download at [www.GENLEDBrands.com/Acolyte](http://www.GENLEDBrands.com/Acolyte).
- 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 the product, RibbonLyte 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<br>IP65 | IP68 | SURFACE MOUNTED CHANNELS   |  |  |  |  |  |  |  |
|------------|--------------|------|--|--|--|--|--|--|--|--|
|            |              |      | LENS OPTIONS: C - Clear F - Frosted K - Black M - Milky NP - Narrow Prismatic WP - Wide Prismatic RM - Round Milky SM - Square Milky |  |  |  |  |  |  |  |
| AC1        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AC2        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AC3        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AC4        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AC5        | ✓            | ✓    |    |  |  |  |  |  |  |  |
| AC14       | ✓            |      |   |  |  |  |  |  |  |  |
| AP1        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AR1        | ✓            |      |   |  |  |  |  |  |  |  |
| AR2        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AR3        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AR5        | ✓            |      |   |  |  |  |  |  |  |  |
| AR8        | ✓            |      |   |  |  |  |  |  |  |  |
| AR10       | ✓            |      |    |  |  |  |  |  |  |  |
| AR14       | ✓            |      |   |  |  |  |  |  |  |  |
| AR16       | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AR20       | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AR23       | ✓            |      |   |  |  |  |  |  |  |  |
| AR25       | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AR30       | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AR33       | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AS1        | ✓            |      |    |  |  |  |  |  |  |  |
| AS2        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AS3        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AS6        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AS10       | ✓            |      |   |  |  |  |  |  |  |  |
| AS12       | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AS13       | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AS14       | ✓            |      |   |  |  |  |  |  |  |  |
| AS16       | ✓            | ✓    |    |  |  |  |  |  |  |  |
| AS20G      | ✓            |      |   |  |  |  |  |  |  |  |
| AS23       | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AS28       | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AS30       | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AS53       | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AT4        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AT5        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AT11       | ✓            | ✓    |    |  |  |  |  |  |  |  |
| AW10       | ✓            |      |   |  |  |  |  |  |  |  |
| AW12       | ✓            |      |   |  |  |  |  |  |  |  |
| AW14       | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AW35       | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AW38       | ✓            | ✓    |   |  |  |  |  |  |  |  |
| AW40       | ✓            |      |   |  |  |  |  |  |  |  |
| B1         | ✓            |      |   |  |  |  |  |  |  |  |
| B2         | ✓            |      |    |  |  |  |  |  |  |  |
| C22        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| GL1        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| GL2        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| ROUND      | ✓            | ✓    |   |  |  |  |  |  |  |  |
| ROUND12    | ✓            |      |   |  |  |  |  |  |  |  |
| ROUND20    | ✓            | ✓    |   |  |  |  |  |  |  |  |
| SC1        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| SC2        | ✓            | ✓    |    |  |  |  |  |  |  |  |
| SC3        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| SC4        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| SC5        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| SC6        | ✓            | ✓    |   |  |  |  |  |  |  |  |
| SC-CORNER1 | ✓            |      |   |  |  |  |  |  |  |  |
| SC-CORNER2 | ✓            |      |   |  |  |  |  |  |  |  |
| ST10       | ✓            |      |   |  |  |  |  |  |  |  |
| W31        | ✓            | ✓    |    |  |  |  |  |  |  |  |
| WH35       | ✓            | ✓    |   |  |  |  |  |  |  |  |

RECESSED CHANNELS

LENS OPTIONS: C - Clear F - Frosted K - Black M - Milky NP - Narrow Prismatic WP - Wide Prismatic RM - Round Milky SM - Square Milky

AR1

AR2

AR3

AR5

AR8

AR10

AR14

AR16

B1

B2

C22

GL1

GL2

ROUND

ROUND12

ROUND20

SC1

SC2

SC3

SC4

SC5

SC6

SC-CORNER1

SC-CORNER2

ST10

W31

WH35

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.

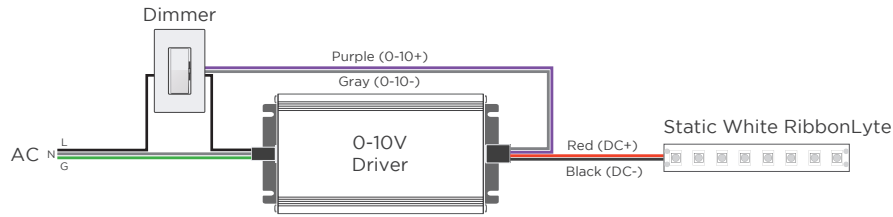
Our IP68 product is not intended to be submerged in pools and fountains and does not carry UL676 certification to do so.

DISCLAIMER

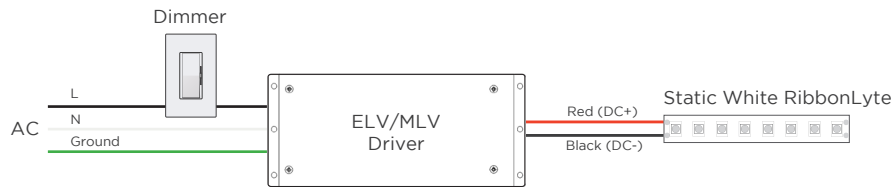
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## WIRING DIAGRAMS

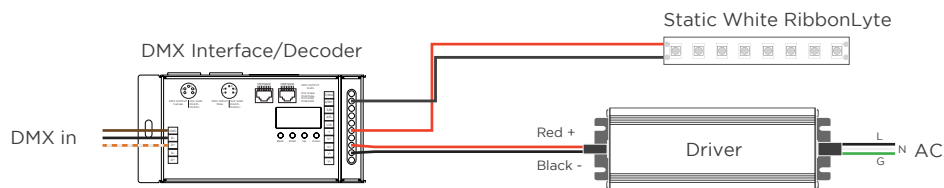
### 0-10V



### MLV / ELV



### DMX



### WIRE COLORS PER RIBBONLYTE COLOR

#### STATIC WHITE SERIES 2

Red Wire (+) Positive

Black Wire (-) Negative