

4.4 STATIC WHITE SERIES 2 RIBBONLYTE

Static White Series 2 RibbonLyte features stellar efficacy and even lumen output with a tight LED pitch for superior blending. This dimmable 90+ CRI RibbonLyte offers nine brilliant CCTs with short cut lengths for amazing design flexibility. Our Static White RibbonLyte products have earned an “excellent” TM66 rating for circularity. Title 24, JA8 compliant from 2200K-4000K.

- 4.4 W/ft (14.4 W/m)
- Create a custom fixture with our channels
- 9 white color temperatures
- 90+ CRI
- 1-Step MacAdam ellipse binning



RoHS

IP20

IP65*

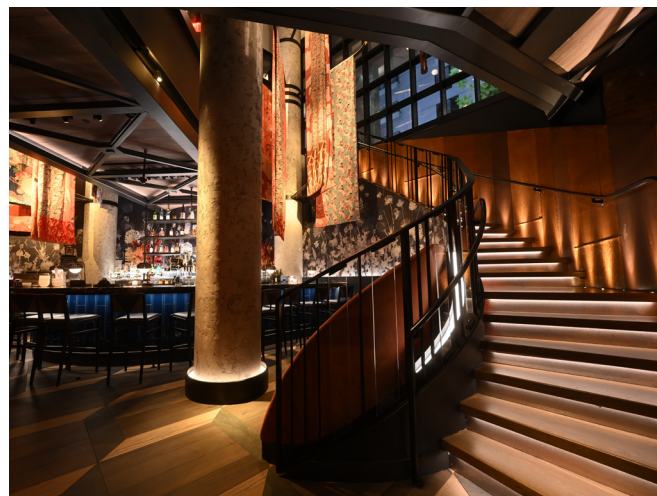
IP68*



Declare.



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



ORDERING GUIDE

| Category | CRI | Ribbon Type & IP Rating | Wattage & Color | |
|-----------------|--------------|-------------------------------------|---|-----------------------------------|
| RB | 90 | | | |
| RB - RibbonLyte | 90 - 90+ CRI | SWS220 - Static White Series 2 IP20 | 4.418 - 4.4 W/ft (14.4 W/m) 1800K (IP20 Only) | 4.430 - 4.4 W/ft (14.4 W/m) 3000K |
| | | SWS265 - Static White Series 2 IP65 | 4.420 - 4.4 W/ft (14.4 W/m) 2000K (IP20 Only) | 4.435 - 4.4 W/ft (14.4 W/m) 3500K |
| | | SWS268 - Static White Series 2 IP68 | 4.422 - 4.4 W/ft (14.4 W/m) 2200K (IP20 Only) | 4.440 - 4.4 W/ft (14.4 W/m) 4000K |
| | | | 4.424 - 4.4 W/ft (14.4 W/m) 2400K | 4.460 - 4.4 W/ft (14.4 W/m) 6000K |
| | | | 4.427 - 4.4 W/ft (14.4 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. 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

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




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SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

| 4.4 STATIC WHITE SERIES 2 RIBBONLYTE | | | | | | | | | |
|--------------------------------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Operating Voltage | 24 V | | | | | | | | |
| Power Consumption | 4.4 W/ft (14.4 W/m) | | | | | | | | |
| Current (mA) - 24V | 183 mA/ft (600 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 / 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's ellipse (SDCM) | 1-Step Binning | | | | | | | | |
| Lumens | 355 lm/ft (1164 lm/m) | 419 lm/ft (1376 lm/m) | 463 lm/ft (1520 lm/m) | 480 lm/ft (1573 lm/m) | 546 lm/ft (1790 lm/m) | 576 lm/ft (1891 lm/m) | 585 lm/ft (1920 lm/m) | 585 lm/ft (1920 lm/m) | 563 lm/ft (1847 lm/m) |
| Binning Tolerance | +/- 100K | | | | | | | | |
| LED Beam Angle | 120° | | | | | | | | |
| Lifetime (L70 reported) | 50,000 hours | | | | | | | | |
| Cutable Length | 1.97 in (50 mm) | | | | | | | | |
| CRI - All Color Temp. | 90+ CRI | | | | | | | | |
| Lumens/Watt | 81 lm/W | 95 lm/W | 105 lm/W | 109 lm/W | 124 lm/W | 131 lm/W | 133 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. CSA C22.2 No. 250.0, General Requirements for Luminaires. RoHS compliant. | | | | | | | | |
| 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) Max Length 28 ft 4 in (8.64 m) 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) Max Length 28 ft 4 in (8.64 m) 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) Max Length 28 ft 4 in (8.64 m) Height 0.18 in (4.5 mm)</p> |

OPTIONAL ACCESSORY

| 0.5 in. VHB Tape | Flat Mounting Clip | Silicone Clip |
|--|--|--|
|  <p>Provides superior holding power in surface mounted applications Part Number: VHBTAPE0.5BK</p> |  <p>For mounting IP20/IP65 RibbonLyte Part Number: RBMNTSIL</p> |  <p>For mounting IP68 RibbonLyte Part Number: RBMNTSILW</p> |

Note: 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 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. 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.

CHANNEL COMPATIBILITY / CHANNEL OPTIONS

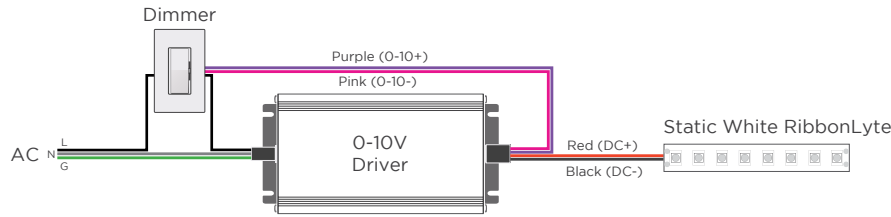
DISCLAIMER

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.

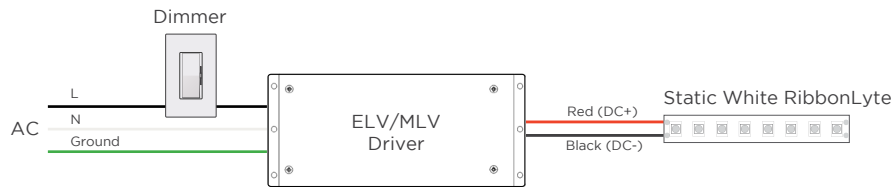
Our IP68 product is not intended to be submerged in pools and fountains and does not carry UL676 certification to do so.

WIRING DIAGRAMS

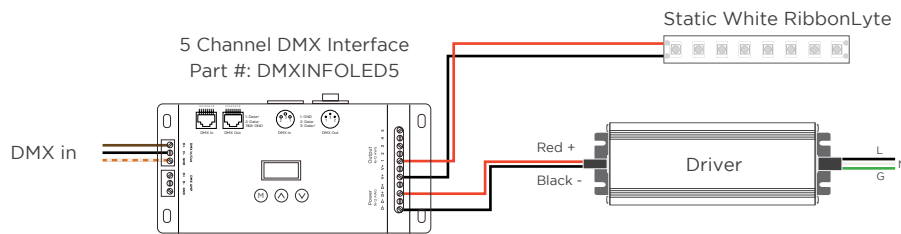
0-10V



MLV / ELV



DMX



WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE SERIES 2

Red Wire (+) Positive

Black Wire (-) Negative

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 | 21.31 | 4.26 | 13.98 | 0.888 |
| 10 | 3.05 | 40.66 | 4.07 | 13.34 | 1.694 |
| 15 | 4.57 | 56.24 | 3.75 | 12.30 | 2.343 |
| 20 | 6.10 | 66.54 | 3.33 | 10.91 | 2.773 |
| 25 | 7.62 | 70.58 | 2.82 | 9.26 | 2.941 |
| 28.33 | 8.64 | 73.27 | 2.59 | 8.48 | 3.053 |

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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