

STATIC WHITE MATRIX 3.0 RIBBONLYTE

GENLED Acolyte[®]'s Static White Matrix 3.0 RibbonLyte bends and conforms to curves! We designed a circuit board that allows Matrix RibbonLyte to flex and bend in any direction. Unlike traditional RibbonLyte, Matrix bends up to 90 degrees making it the perfect choice for rounded coves, sharp angles or any intricate lighting application.

- Ideal for curves, sharp angles, circular coves, & complex shapes
- Flexible
- 3.0 W/ft (9.8 W/m)
- 24 Volt input
- 90+ CRI

Applications:

Commercial	Hospitality	Residential
Entertainment	Museums	Retail
Healthcare	Public Spaces	



ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color	
RB	90	SWM20		
RB - Ribbonlyte	90 - 90+ CRI Static White	SWM20 - Static White Matrix IP20	3.024 - 3.0 2400K	3.035 - 3.0 3500K
			3.027 - 3.0 2700K	3.040 - 3.0 4000K
			3.030 - 3.0 3000K	3.060 - 3.0 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

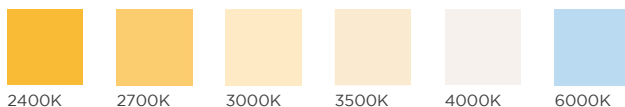


Standard cable length if not specified:

1. 12 in. 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

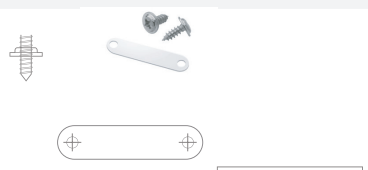
AVAILABLE COLOR TEMPERATURES



SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

STATIC WHITE MATRIX 3.0 RIBBONLYTE						
Operating Voltage	24 V					
Power Consumption	3.0 W/ft (9.8 W/m)					
Current (mA) - 24V	125 mA/ft (410 mA/m)					
LED Pitch	15 LEDs/ft (50 LEDs/m)					
Protection Rating IP20	✓					
Dimming	ELV / DMX / MLV / 0-10 Volt / Lutron A-Series 1% dimming LED drivers					
Operating Temperature	-40 F to 158 F (-40 C to 70 C)					
Colors	2400K, 2700K, 3000K, 3500K, 4000K, 6000K					
Lumens	2400K	2700K	3000K	3500K	4000K	6000K
	223.1 lm/ft 732 lm/m	225.1 lm/ft 738.6 lm/m	262.1 lm/ft 860 lm/m	262.1 lm/ft 860 lm/m	254.6 lm/ft 835.3 lm/m	248.5 lm/ft 815.3 lm/m
Binning Tolerance	+/- 150K					
LED Beam Angle	120°					
Lamp Life	50,000 hrs L70 @ 85° C					
Cutable Length - 24V	4.84" (123 mm)					
CRI - All Color Temp	90+ CRI					
Cable Length	12 in (30.5 cm)					
Certifications	ETL Listed: UL 2108 Issued: 2004/02/27 Ed: 1 Rev: 2014/02/24 Low Voltage Lighting Systems CSA C22.2#9.0 Issued: 1996/06/01 Ed: 1 (R2011) General Requirements for Luminaires; with Gen. Inst. 1: 1997, Gen Inst. 2: 1998. ROHS compliant UL 2108 - Low Voltage Lighting Systems UL 8750 - Light Emitting Diode (LED) Equipment for Use in Lighting Products UL 1598 / CSA 250.0-08 - Luminaires					

24V DIMENSIONS	Top View	Side View	Dimensions
IP20	 <p>CUTTABLE EVERY: 4.84 in (123 mm)</p>		<p>Width 0.47 in (12 mm) Max Length 39 ft 4 in (12 m) Height 0.09 in (2.3 mm)</p>

FLAT SILICONE MOUNTING PAD															
	<table border="1"> <thead> <tr> <th>Part Number</th> <th>RBMNTSIL</th> </tr> </thead> <tbody> <tr> <td>Screw Head Diameter</td> <td>0.27 in (6.9 mm)</td> </tr> <tr> <td>Screw Head Height</td> <td>0.36 in (9.2 mm)</td> </tr> <tr> <td>Clip Length</td> <td>1.07 in (27.2 mm)</td> </tr> <tr> <td>Clip Width</td> <td>0.24 in (6.1 mm)</td> </tr> <tr> <td>Screw Hole Diameter</td> <td>0.09 in (2.5 mm)</td> </tr> <tr> <td>Screw Hole Distance (center-to-center)</td> <td>0.88 in (22.6 mm)</td> </tr> </tbody> </table>	Part Number	RBMNTSIL	Screw Head Diameter	0.27 in (6.9 mm)	Screw Head Height	0.36 in (9.2 mm)	Clip Length	1.07 in (27.2 mm)	Clip Width	0.24 in (6.1 mm)	Screw Hole Diameter	0.09 in (2.5 mm)	Screw Hole Distance (center-to-center)	0.88 in (22.6 mm)
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*Max length before additional power is introduced

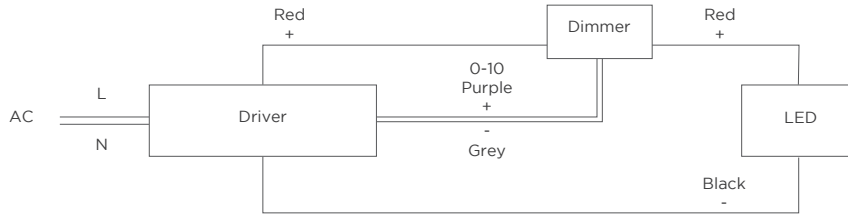
USAGE GUIDELINES

- 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.
- Please refer to our RibbonLyte Proper Use Guide in our *Application Guide* for more information. Available for download at www.GENLEDBrands.com/Acolyte.
- Compatible with a wide variety of control products including the entire line of Lutron dimming systems.
- For use with GENLED Acolyte[®] drivers, 0-10V dimming modules and interface controllers (DMXINF models).
- Use with non-GENLED Acolyte[®] supplied Triac, MLV or ELV 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.

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WIRING DIAGRAMS

0-10V



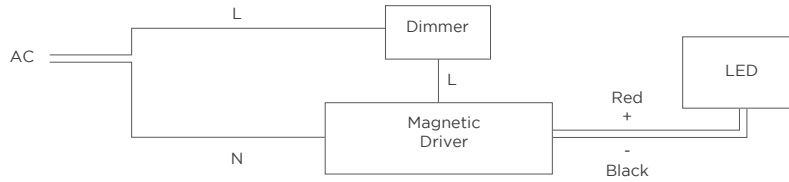
WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE MATRIX 3.0

Red Wire (+) Positive

Black Wire (-) Negative

MAGNETIC + ELV



DMX

