



Date _____ Project _____

Notes _____

2.2 RGB COLOR CHANGING RIBBONLYTE

GENLED Acolyte[®] 2.2 RGB RibbonLyte uses 3-in-1 RGB LEDs to create a full spectrum of up to 16 million colors. Our DMX control systems can program single rooms or entire buildings. Calendar modes, color fades, and many more controls make any environment more vibrant!

- 2.2 W/ft (7.2 W/m)
- Pair with **GENLED Acolyte**[®] channel profiles to create a custom fixture
- DMX controllable 3-in-1 RGB LEDs
- 24V constant voltage input



Applications:

- | | | |
|---------------|---------------|-------------|
| Commercial | Hospitality | Residential |
| Entertainment | Museums | Retail |
| Healthcare | Public Spaces | |



RoHS IP20 IP65 IP68

ORDERING GUIDE

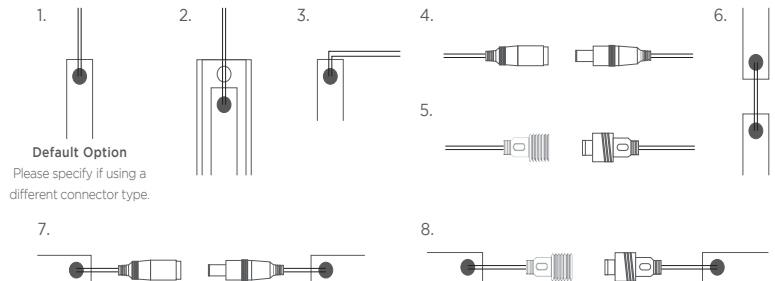
Category	CRI	Ribbon Type & IP Rating	Wattage + Color
RB	0		2.2RGB
RB - Ribbonlyte	0 - Color Changing	RGB20 - IP20 RGB65 - IP65 RGB68 - IP68	2.2RGB - 2.2RGB

AVAILABLE COLORS



RGB

CONNECTION OPTIONS



SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

2.2 RGB RIBBONLYTE	
Operating Voltage	24 V
Power Consumption	2.2 W/ft (7.2 W/m)
Current (mA) - 24V	92 mA/ft (301.8 mA/m)
LED Pitch	9 LEDs/ft (30 LEDs/m)
Protection Rating IP20	✓
Protection Rating IP65	✓
Protection Rating IP68	✓
Dimming/Control	DMX / Lutron A-Series 1% dimming LED drivers
Operating Temperature	-40 F to 158 F (-40 C to 70 C)
Colors	Red, Green, Blue
Lumens	82 lm/ft (269 lm/m) All LEDs at 100%
LED Beam Angle	120°
Lamp Life	50,000 Hours
Cutable Length	6.55 in (166.4 mm)
Lumens/Watt	37 lm/W
Constant Voltage	✓
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: 6.55 in (166.4 mm)</p>		<p>Width 0.39 in (10 mm) Max Length 19 ft 7.9 in (6 m) Height 0.09 in (2.3 mm)</p>
IP65	 <p>CUTTABLE EVERY: 6.55 in (166.4 mm)</p>		<p>Width 0.39 in (10 mm) Max Length 19 ft 7.9 in (6 m) Height 0.11 in (2.75 mm)</p>
IP68	 <p>CUTTABLE EVERY: 6.55 in (166.4 mm)</p>		<p>Width 0.52 in (13.3 mm) Max Length 19 ft 7.9 in (6 m) Height 0.22 in (5.70 mm)</p>

*Max length before additional power is introduced
Maximum run length for IP68 waterproof RibbonLyte is 19 ft 7.9 in (6 m). For single runs longer than 19 ft 7.9 in (6 m), RibbonLyte will be daisy chained.

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.
- 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/Home/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.

GENLED Acolyte[®] does not warrant or represent that the information is free from errors or omission. The information may change without notice and GENLED 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

	IP20/ IP65	IP68
AC1	✓	✓
AC2	✓	✓
AC3	✓	
AC4	✓	✓
AC5	✓	✓
AP1	✓	✓
AR1	✓	
AR2	✓	
AR3	✓	✓
AS1	✓	
AS2	✓	
AS3	✓	✓
AS6	✓	✓
AS20G	✓	
AT4	✓	✓
AT5	✓	✓
AT11	✓	
AW35	✓	✓
B1	✓	
C22	✓	✓
GL1	✓	
GL2	✓	✓
ROUND	✓	✓
W31	✓	✓
WH35	✓	✓

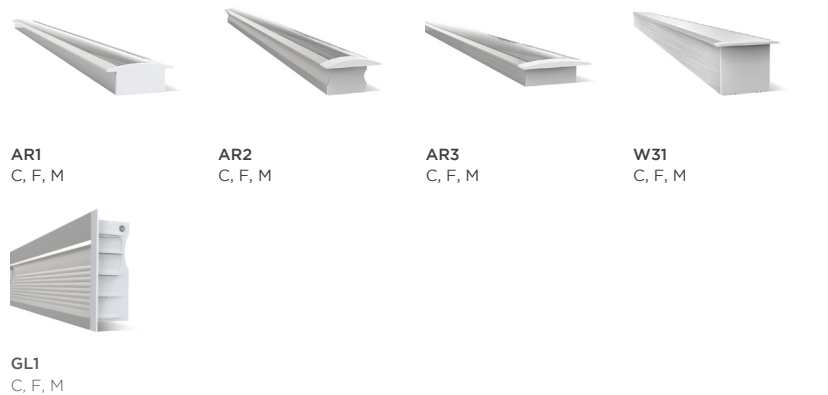
SURFACE MOUNTED CHANNELS

LENS OPTIONS: C - Clear F - Frosted M - Milky G - Grazer



RECESSED CHANNELS

LENS OPTIONS: C - Clear F - Frosted M - Milky



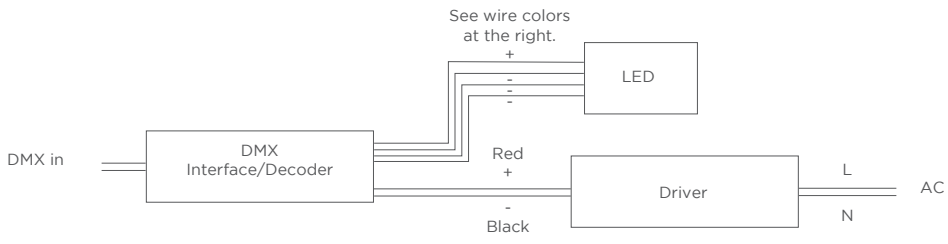
DISCLAIMER

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WIRING DIAGRAMS

DMX



WIRE COLORS PER RIBBONLYTE COLOR

- RGB**
- Black Wire (+) Positive
 - Red Wire (-) Goes To Red Channel
 - Green Wire (-) Goes To Green Channel
 - Blue Wire (-) Goes To Blue Channel