

Date \_\_\_\_\_ Project \_\_\_\_\_

Notes \_\_\_\_\_

#### 4.4 RGB COLOR CHANGING RIBBONLYTE

Acolyte 4.4 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!

- 4.4 W/ft (14.4 W/m)
- Pair with Acolyte channel profiles to create a custom fixture
- DMX controllable 3-in-1 RGB LEDs
- 24V constant voltage input
- Closet rated (standalone or surface channels)



#### Applications:

Commercial	Hospitality	Residential
Entertainment	Museums	Retail
Healthcare	Public Spaces	



**RoHS IP20 IP65 IP68**



5-Day QuickShip program applies to IP20 options only



#### ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color
RB	0		4.4RGB
RB - Ribbonlyte	0 - Color Chaning	RGB20 - RGB IP20 RGB65 - RGB IP65 RGB68 - RGB IP68	4.4RGB - 4.4 RGB

#### 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 COLORS



RGB

SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

4.4 RGB RIBBONLYTE	
Operating Voltage	24 V
Power Consumption	4.4 W/ft (14.4 W/m)
Current (mA) - 24V	183 mA/ft (600.2 mA/m)
LED Pitch	18 LEDs/ft (60 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	165 lm/ft (541 lm/m) All LEDs at 100%
LED Beam Angle	120°
Lamp Life	50,000 Hours
Cutable Length	3.94 in (100 mm)
Lumens/Watt	37 lm/W
Constant Voltage	✓
Cable Length	12 in (30.5 cm)
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 UL 2108. Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5).

24V DIMENSIONS	Top View	Side View	Dimensions
IP20	 <p>CUTTABLE EVERY: 3.94 in (100 mm)</p>		<p>Width 0.39 in (10 mm)</p> <p>Max Length* 19 ft 7.9 in (6 m)</p> <p>Height 0.09 in (2.3 mm)</p>
IP65	 <p>CUTTABLE EVERY: 3.94 in (100 mm)</p>		<p>Width 0.39 in (10 mm)</p> <p>Max Length* 19 ft 7.9 in (6 m)</p> <p>Height 0.11 in (2.75 mm)</p>
IP68	 <p>CUTTABLE EVERY: 3.94 in (100 mm)</p>		<p>Width 0.52 in (13.3 mm)</p> <p>Max Length* 19 ft 7.9 in (6 m)</p> <p>Height 0.22 in (5.70 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 warrantied.
- 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

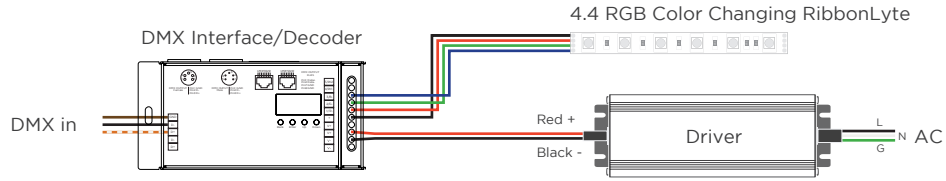
CHANNEL	IP20 IP65	IP68	SURFACE MOUNTED CHANNELS									
			LENS OPTIONS: C - Clear F - Frosted K - Black M - Milky NP - Narrow Prismatic WP - Wide Prismatic RM - Round Milky SM - Square Milky									
AC1	✓	✓										
AC2	✓	✓										
AC3	✓	✓										
AC4	✓	✓										
AC5	✓	✓										
AC14	✓											
AP1	✓	✓	AC1 C, F, M	AC2 C, F, M	AC3 C, F, M	AC4 C, F, M	AC5 C, F, M	AC14 SM	AP1 C, K, M, SM	AS1 C, F, M		
AR1	✓											
AR2	✓	✓										
AR3	✓	✓										
AR5												
AR8												
AR10			AS2 C, F, M	AS3 C, F, M	AS6 C, F, M	AS12 RM	AS13 RM, SM	AS14 SM	AS16 C, K, M	AS20G G		
AR14	✓											
AR16	✓	✓										
AR20	✓	✓										
AR23	✓											
AR25	✓	✓										
AR30	✓	✓	AS23 C, K, M, SM	AS28 M, NP, WP	AS30 M, RM, SM	AS53 M, NP, WP	AT4 C, F, M	AT5 C, F, M	AT11 C, F, M	AW10 C, K, M		
AR33	✓	✓										
AS1	✓	✓										
AS2	✓	✓										
AS3	✓	✓										
AS6	✓	✓										
AS10			AW12 C, K, M, RM	AW14 C, K, M	AW35 C, F, M	AW38 M, RM, SM	AW38 C, F, M	B1 C, F, M	B2 RM	C22 C, F, M		
AS12	✓	✓										
AS13	✓	✓										
AS14	✓	✓										
AS16	✓	✓										
AS20G	✓											
AS23	✓	✓	GL2 C, F, M	ROUND C, F, M	ROUND12 C, K, M	ROUND20 C, K, M	ST10 C, F, M	WH35 C, F, M				
AS28	✓	✓										
AS30	✓	✓										
AS53	✓	✓										
AT4	✓	✓										
AT5	✓	✓										
AT11	✓	✓										
AW10	✓											
AW12	✓											
AW14	✓	✓										
AW35	✓	✓										
AW38	✓	✓										
AW40	✓		AR1 C, F, M	AR2 C, F, M	AR3 C, F, M	AR14 SM	AR16 C, K, M	AR20 C, K, M, SM	AR23 C, K, M	AR25 M, RM, SM		
B1	✓											
B2	✓											
C22	✓	✓										
GL1	✓	✓										
GL2	✓	✓										
ROUND	✓	✓	AR30 M, RM, SM	AR33 M, NP, WP	GL1 C, F, M	SC1 M	SC2 M	SC3 M	SC4 M, RM, SM	SC5 M, RM, SM		
ROUND12	✓											
ROUND20	✓	✓										
SC1	✓	✓										
SC2	✓	✓										
SC3	✓	✓										
SC4	✓	✓	SC6 C, K, M, SM	SC-CORNER1 M	SC-CORNER2 M	W31 C, F, M						
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.

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