

Date

Notes

4.4 RGBA SERIES 2 RIBBONLYTE

4.4 RGBA Series 2 RibbonLyte is a DMX-controlled 4-channel color changing RibbonLyte with four separate chips (red, green, blue and amber), each combined in a single diode to provide flawless color blending. Mixing with amber LEDs helps create warmer pastels. Our Series 2 version offers more LEDs per foot and improved cut lengths as short as 2 in. (50 mm).

- Color changing with DMX controls
- Improved pitch of 36 LEDs per foot
- Tighter cut lengths of 2 in. (50 mm)
- 4.4 W/ft (14.4 W/m)
- All on: 48 lm/W
- All on: 209.2 lm/ft (686.18 lm/m)



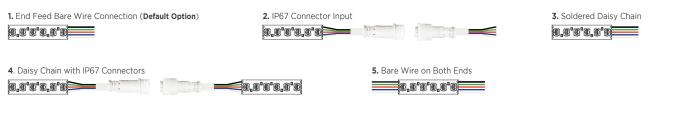




ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color
RB	0	RGBAS220	4.4RGBA
RB - Ribbonlyte	0 - Color Changing	RGBAS220 - RGBA Series 2 IP20	4.4RGBA - 4.4 W/ft (14.4 W/m) RGB+Amber

CONNECTION OPTIONS



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

Note: 1Po7 connectors are used for both 1P20 and 1P65/1P68 RibbonLyte

AVAILABLE COLORS





SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

	4.4 RGBA Series 2 RibbonLyte							
Operating Voltage	24 V							
Colors	RGBA (RGB+Amber)							
	Red	Green	Blue	Amber	All On			
Power Consumption	1.1 W/ft (3.6 W/m)	1.1 W/ft (3.6 W/m)	1.1 W/ft (3.6 W/m)	1.1 W/ft (3.6 W/m)	4.4 W/ft (14.4 W/m)			
Lumens	38.17 lm/ft (125.2 lm/m)	110.4 lm/ft (362.11 lm/m)	27.43 lm/ft (89.97 lm/m)	34.6 lm/ft (113.49 lm/m)	209.2 lm/ft (686.18 lm/m)			
Efficacy	35 lm/W	100 lm/W	25 lm/W	31 lm/W	48 lm/W			
Current (mA) - 24V	183 mA/ft (602 mA/m)							
LED Pitch	36 LEDs/ft (120 LED/m)							
Protection Rating	IP20							
Dimming/Control	DMX							
Operating Temperature	-40° F to 140° F (-40° C to 60° C)							
LED Beam Angle	120°							
Lamp Life	50,000 Hours							
Cuttable Length	1.97 in (50 mm)							
Constant Voltage	\checkmark							
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							
DIMENSIONS Top	View			Side View Dim	ensions			
D20	ABLE EVERY: 1.97 in (50 mm)			Max	Ith 0.47 in (12 mm) (Length 19 ft 8 in (6 m) (ght 0.09 in (2.3 mm)			
OPTIONAL ACCESSORY								
0.5 in. VHB Tape			Flat Mounting Clip					



Provides superior holding power in surface mounted applications Part Number: VHBTAPE0.5BK

For mounting IP20 RibbonLyte Part Number: RBMNTSIL

Note: RibbonLyte comes with an adhesive backing, but Acolyte recommends using VHB Tape for extra support in surface mounted applications.

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 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.

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CHANNEL COMPATIBILITY / CHANNEL OPTIONS





W: 0.68 in. / 17.2 mm H: 0.34 in. / 8.7 mm Inside: 0.57 in. / 14.6 mm



AS13 / round milky W: 1.31 in. / 33.4 mm H: 1.29 in. / 32.7 mm Inside W: 1.22 in. / 31 mm Inside H: 1 in. / 25.3 mm

ΔΤ4

AC1

12

W: 0.9 in. / 22.9 mm H: 0.31 in. / 7.87 mm Inside W: 0.49 in. / 12.5 mm

MUD-IN CHANNELS

AR1

W: 0.77 in. / 19.6 mm H: 0.74 in. / 18.8 mm Inside W: 0.66 in. / 16.8 mm

CORNER CHANNELS

W: 0.63 in. / 16 mm H: 0.63 itn. / 16 mm Inside W: 0.48 in. / 12.2 mm

RECESSED CHANNELS



AT5

AC2

AR3

W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm Inside W: 0.48 in. / 12.2 mm

W: 1.2 in. / 30.5 mm H: 0.39 in. / 9.9 mm Inside W: 0.81 in. / 20.6 mm

W: 0.77 in. / 19.6 mm H: 0.74 in. / 18.8 mm Inside W: 0.66 in. / 16.8 mm

AS2

W: 0.7 in. / 17.8 mm H: 0.6 in. / 15.2 mm Inside: 0.49 in. / 12.5 mm



AS23

AS3

W: 0.93 in. / 23.6 mm H: 0.42 in. / 10.7 mm Inside: 0.81 in. / 20.6 mm





AW12 W: 0.91 in. / 23 mm H: 2.17 in. / 55 mm Inside W: 0.56 in. / 14.2 mm Inside H: 0.22 in. / 5.5 mm

AC3

AR16

W: 1.1 in. / 28 mm H: 0.73 in. / 18.6 mm Inside W: 0.65 in. / 16.4 Inside H: 0.64 in. / 16.2

W: 0.74 in. / 18.8 mm H: 0.74 in. / 18.8 mm Inside W: 0.48 in. / 12.2 mm



AC4

AR20

W: 1.18 in. / 30 mm H: 0.8 in. / 20.4 mm Inside W/H: 0.83 in. / 21 mm Inside H: 0.73 in. / 18.5 mm

W: 1.17 in. / 29.72 mm H: 1.17 in. / 29.72 mm Inside W: 0.8 in. / 20.32 mm

ASG

W: 0.89 in. / 22.5 mm H: 0.62 in. / 15.7 mm Inside: 0.71 in. / 18 mm

AS23 / square milky

W: 0.91 in. / 23 mm H: 1.59 in. / 40.5 mm Inside W: 0.83 in. / 21 mm Inside H: 1.32 in. / 33.4 mm

W: 1.5 in. / 38 mm H: 1.31 in. / 33.4 mm Inside W: 1.22 in. / 31 mm Inside H: 1.17 in. / 29.8 mm



B1

W: 0.77 in / 19.6 mm H: 0.26 in / 6.5 mm Inside W: 0.69 in / 17.6 mm

AS16

W: 0.74 in. / 18.8 mm H: 0.73 in. / 18.6 mm Inside W: 0.65 in. / 16.4 mm Inside H: 0.63 in. / 16 mm

AS30

W/H: 1.31 in. / 33.4 mm H: 1.17 in. / 29.6 mm

Inside W: 1.17 in. / 29.8 mm Inside H: 0.93 in. / 23.6 mm

AC5 W: 1.11 in. / 28.19 mm H: 1.11 in. / 28.19 mm Inside W: 0.8 in. / 20.32 mm

AR25

W: 1.75 in. / 44.4 mm H: 0.94 in. / 24 mm Inside W: 1.22 in. / 31 mm Inside H: 0.91 in. / 23 mm



AR30

W: 1.75 in. / 44.4 mm H: 0.55 in. / 14 mm Inside W: 1.22 in. / 31 mm Inside H: 0.51 in. / 13 mm

AW14 W: 0.98 in. / 24.9 mm H: 1.31 in. / 33.4 mm Inside W: 0.58 in. / 14.8 mm Inside H: 0.63 in. / 16 mm



4 mm

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.



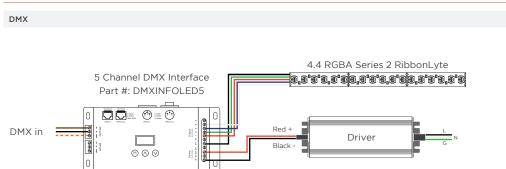


WH35 W: 1.37 in. / 35 mm H: 1.47 in. / 37.5 mm Inside: 1.23 in. / 31.2 mm



4.4 RGBA SERIES 2 RIBBONLYTE

WIRING DIAGRAMS



WIRE COLORS PER RIBBONLYTE COLOR

RGBA

Black (+) Positive Green Wire (-) goes to Green Channel Red Wire (-) goes to Red Channel Blue Wire (-) goes to Blue Channel White Wire (-) goes to Amber Channel

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	21.56	4.31	14.14	0.898
10	3.05	42.37	4.24	13.90	1.765
15	4.57	61.70	4.11	13.49	2.571
19.7	6.01	78.85	4.00	13.13	3.285