Date		Project	
Notes			

4.4 RGB + WHITE & RGB + AMBER RIBBONLYTE

4.4 RGBW and RGBA RibbonLyte are DMX controlled using 3-in-1 RGB LEDs plus white or amber for a brighter or more pastel color. Use with Acolyte channel profiles to create an excellent fixture with no color refraction.

RGB + WHITE: Adds 3000K or 6000K to RGB to replicate tungsten and daylight.

RGB + AMBER: Adds 590 nanometer Amber for warm accents.

- Use with Acolyte channel profiles to create a custom fixture
- Flexible
- 24 Volt input

Applications:

Commercial	Hospitality	Residential
Entertainment	Museums	Retail
Healthcare	Public Spaces	

c(UL)us LISTED 317073

RoHS   IP20   IP65   IP68

QuickShip
5-Day QuickShip program applies to IP20 options only

ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color
RB	**0**		
RB - Ribbonlyte	**0** - Color Changing	**RGBWA20** - RGBW/A IP20	**4.4RGB30** - 4.4 RGB+3000K
		RGBWA65 - RGBW/A IP65	**4.4RGB60** - 4.4 RGB+6000K
		RGBWA68 - RGBW/A IP68	**4.4RGBA** - 4.4 RGB+AMBER

CONNECTION OPTIONS

1. End Feed Bare Wire Connection (**Default Option**)

2. IP67 Connector Input

3. Soldered Daisy Chain

4. Daisy Chain with IP67 Connectors

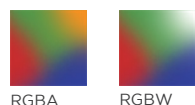**5.** Bare Wire on Both Ends

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

RGBA   RGBW

SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

	4.4 RGB WHITE/ AMBER
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 LED/m)
Protection Rating	IP20, IP65, IP68
Dimming/Control	DMX / Lutron A-Series 1% dimming LED drivers
Operating Temperature	-40° F to 158° F (-40° C to 70° C)
Colors/Color Temperatures	RGBW (3000K), RGBW (6000K), RGB+Amber
Lumens - RGBW	236 lm/ft (774 lm/m) All LEDs at 100%
LED Beam Angle	120°
Lamp Life	50,000 Hours
Cuttable Length - 24V	6.55 in (166.4 mm)
Lumens/Watt - RGBW	51 lm/W (All LEDs at 100%)
Lumens/Watt - RGBA	33 lm/W (All LEDs at 100%)
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.

24V DIMENSIONS	Top View	Side View	Dimensions
IP20	CUTTABLE EVERY: 6.55 in (166.4 mm)		**Width** 0.47 in (12 mm) **Max Length*** 19 ft 7.9 in (6 m) **Height** 0.09 in (2.3 mm)
IP65	CUTTABLE EVERY: 6.55 in (166.4 mm)		**Width** 0.47 in (12 mm) **Max Length*** 19 ft 7.9 in (6 m) **Height** 0.12 in (3.0 mm)
IP68	CUTTABLE EVERY: 6.55 in (166.4 mm)		**Width** 0.57 in (14.4 mm) **Max Length*** 19 ft 7.9 in (6 m) **Height** 0.20 in (5 mm)

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.
- 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.
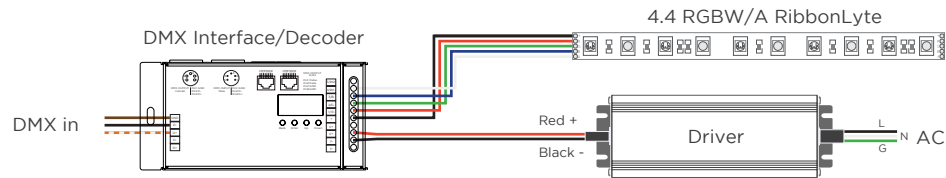
CHANNEL COMPATIBILITY / CHANNEL OPTIONS

CHANNEL	IP20 IP65	IP68
AC1	✓	
AC2	✓	
AC3	✓	
AC4	✓	✓
AC5	✓	✓
AC14	✓	
AP1	✓	✓
AR1	✓	
AR2	✓	
AR3	✓	✓
AR5		
AR8		
AR10		
AR14	✓	
AR16	✓	✓
AR20	✓	✓
AR23		
AR25	✓	✓
AR30	✓	✓
AR33	✓	✓
AS1	✓	
AS2	✓	
AS3	✓	✓
AS6	✓	✓
AS10		
AS12	✓	✓
AS13	✓	✓
AS14	✓	
AS16	✓	✓
AS20G		
AS23	✓	✓
AS28	✓	✓
AS30	✓	✓
AS53	✓	✓
AT4	✓	✓
AT5	✓	✓
AT11	✓	
AW10		
AW12	✓	
AW14	✓	
AW35	✓	✓
AW38	✓	✓
AW40		
B1	✓	
B2	✓	
C22	✓	✓
GL1	✓	
GL2	✓	
ROUND	✓	
ROUND12	✓	
ROUND20	✓	✓
SC1	✓	✓
SC2	✓	✓
SC3	✓	
SC4	✓	✓
SC5	✓	✓
SC6	✓	✓
SC-CORNER1		
SC-CORNER2		
ST10		
W31	✓	✓
WH35	✓	✓

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 — 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

AS2 — C, F, M
AS3 — C, F, M
AS6 — C, F, M
AS12 — RM
AS13 — RM, SM
AS14 — SM
AS16 — C, K, M
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
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
GL2 — C, F, M
ROUND — C, F, M

ROUND12 — C, K, M
ROUND20 — C, K, M
WH35 — C, F, M

RECESSED CHANNELS

LENS OPTIONS: **C** - Clear **F** - Frosted **K** - Black **M** - Milky **NP** - Narrow Prismatic **WP** - Wide Prismatic **RM** - Round Milky **SM** - Square Milky

AR1 — C, F, M
AR2 — C, F, M
AR3 — C, F, M
AR14 — SM
AR16 — C, K, M
AR20 — C, K, M, SM
AR25 — M, RM, SM
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
SC6 — C, K, M, SM

W31 — C, F, M

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

DMX Interface/Decoder

4.4 RGBW/A RibbonLyte

DMX in

Red +

Black -

Driver

L
N   AC
G

WIRE COLORS PER RIBBONLYTE COLOR

RGBW/A
Black (+) Positive
Red Wire (-) goes to Red Channel
Green Wire (-) goes to Green Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel

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