

Date _____ Project _____

Notes _____

5.5 4-IN-1 RGB + WHITE & RGB + AMBER RIBBONLYTE

5.5 4-In-1 RGBW and RGBA RibbonLyte are DMX controlled. Use with **GENLED Acolyte**[®] channel profiles to create an excellent fixture with no color refraction.

RGB + WHITE: Adds 3000K, 4000K, or 6000K to RGB to replicate tungsten and daylight.

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

- Use with **GENLED Acolyte**[®] channel profiles to create a custom fixture
- Flexible
- 24 Volt input



Applications:

Commercial	Hospitality	Residential
Entertainment	Museums	Retail
Healthcare	Public Spaces	



RoHS IP20 IP65 IP68



5-Day QuickShip program applies to IP20 RGBW options only

ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color	
RB	0			
RB - Ribbonlyte	0 - Color Changing	RGBWA20 - RGBW/A IP20 RGBWA65 - RGBW/A IP65 RGBWA68 - RGBW/A IP68	5.5RGB30 - 5.5 RGB + 3000K 5.5RGB40 - 5.5 RGB + 4000K	5.5RGB60 - 5.5RGB + 6000K 5.5RGBA - 5.5 RGB + Amber

CONNECTION OPTIONS

1. End Feed Bare Wire Connection (Default Option)



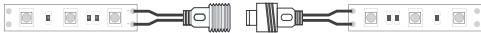
2. IP67 Connector Input



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

5.5 4-IN-1 RGB WHITE/ AMBER	
Operating Voltage	24 V
Power Consumption	5.5 W/ft (18.0 W/m)
Current (mA) - 24V	229 mA/ft (752 mA/m)
LED Pitch	18 LEDs/ft (60 LEDs/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 (4000K), RGBW (6000K), RGB+Amber
Lumens - RGBW	279 lm/ft (915 lm/m) All LEDs at 100%
Binning Tolerance	+/- 100K (White)
LED Beam Angle	120°
Lamp Life	50,000 Hours
Cutable Length - 24V	3.94 in (100 mm)
Lumens/Watt - RGBW	51 lm/W (All LEDs at 100%)
Lumens/Watt - RGBA	27 lm/W (All LEDs at 100%)
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	 CUTTABLE EVERY: 3.94 in (100 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: 3.94 in (100 mm)		Width 0.47 in (12 mm) Max Length* 19 ft 7.9 in (6 m) Height 0.125 in (3.2 mm)
IP68	 CUTTABLE EVERY: 3.94 in (100 mm)		Width 0.58 in (14.8 mm) Max Length* 19 ft 7.9 in (6 m) Height 0.21 in (5.3 mm)

*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

- 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 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

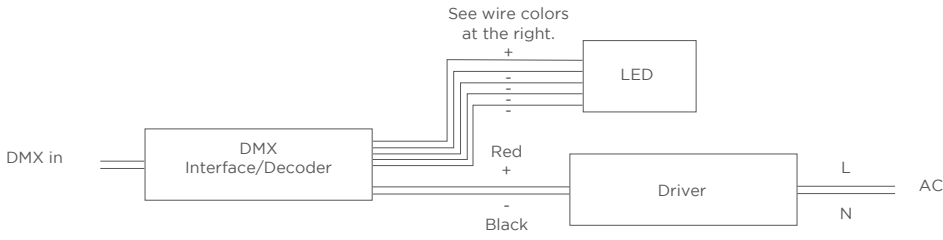
CHANNEL	IP20 IP65	IP68	SURFACE MOUNTED CHANNELS										
			LENS OPTIONS:	C - Clear	F - Frosted	K - Black	M - Milky	NP - Narrow Prismatic	WP - Wide Prismatic	RM - Round Milky	SM - Square Milky		
AC1	✓												
AC2	✓												
AC3	✓												
AC4	✓	✓											
AC5	✓	✓											
AC14	✓												
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	AS23 C, K, M, SM			
AR14	✓												
AR16	✓	✓											
AR20	✓	✓											
AR23													
AR25	✓	✓											
AR30	✓	✓	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			
AR33	✓	✓											
AS1	✓												
AS2	✓												
AS3	✓	✓											
AS6	✓	✓											
AS10			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			
AS12	✓	✓											
AS13	✓	✓											
AS14	✓	✓											
AS16	✓	✓											
AS20G													
AS23	✓	✓	ROUND12 C, K, M	ROUND20 C, K, 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	AR25 M, RM, SM	AR30 M, RM, SM			
B1	✓												
B2	✓												
C22	✓	✓											
GL1	✓	✓											
GL2	✓												
ROUND	✓												
ROUND12	✓		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			
ROUND20	✓	✓											
SC1	✓	✓											
SC2	✓	✓											
SC3	✓	✓											
SC4	✓	✓	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

- 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