



Date _____ Project _____

Notes _____

RGB & RGBW ADDRESSABLE RIBBONLYTE

Acolyte's RGB & RGBW Addressable RibbonLyte allows you to create completely customized patterns of light that are only limited by imagination. Every 4" of LEDs can be individually controlled to create moving effects, patterns, chases, and more. When paired with a DMX control system, you can change your color as often or as little as you wish to create an unforgettable setting.



- 6 LEDs per pixel
- 18 LEDs per foot
- Pixel length is 3.94 inches (100 mm)
- Max Run Length 16' 5" (5 m) but longer sections can be created with lead wire to additional pieces
- 120° viewing angle
- Controlled by DMX512
- Power Consumption: RGB: 3.7 W/ft (12.1 W/m)
RGBW: 5.4W/ft (17.7 W/m)
- IP67 Rating
- 24 Volt input



Applications:

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



ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color
RB	0		
RB - RIBBONLYTE	0 - COLOR CHANGING	RGBADD - ADDRESSABLE RGB IP67 RGBWADD - ADDRESSABLE RGBW IP67	3.7RGB - 3.7 RGB ADDRESSABLE 5.4RGBW30 - 5.4 RGBW ADDRESSABLE 3000K 5.4RGBW40 - 5.4 RGBW ADDRESSABLE 4000K 5.4RGBW60 - 5.4 RGBW ADDRESSABLE 6000K

AVAILABLE COLORS

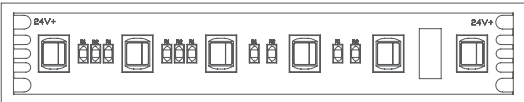



CONNECTION OPTIONS

See wiring diagram on page 5.

SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

RGB & RGBW ADDRESSABLE RIBBONLYTE					
Operating Voltage	24 V				
Power Consumption	RGB: 3.7 W/ft 12.1 W/m / RGBW: 5.4W/ft (17.7 W/m)				
Current (mA) - 24V	154 mA/ft (506 mA/m) / 225 mA/ft (738 mA/m)				
LED Pitch	18 LEDs/ft (60 LEDs/m)				
Protection Rating	IP67				
Dimming/Control	DMX				
Ambient Temperature	-4° F to 113° F (-20° C to 45° C)				
Storage Temperature	-40° F to 176° F (-40° C to 80° C)				
Colors/Color Temperatures	RGB, RGBW (RGB+3000K), RGBW (RGB+4000K), RGBW (RGB+6000K)				
Lumens	Red	Green	Blue	White	All
RGB	18.5 lm/ft (60.7 lm/m)	45.6 lm/ft (150 lm/m)	11.1 lm/ft (36.4 lm/m)	N/A	89 lm/ft (291.4 lm/m)
RGBW	20.3 lm/ft (66.5 lm/m)	51.3 lm/ft (168.3 lm/m)	10.8 lm/ft (35.4 lm/m)	51.3 lm/ft (168.3 lm/m)	167.4 lm/ft (549.2 lm/m)
LED Beam Angle	120°				
Lamp Life	50,000 Hours				
Cutable Length - 24V	3.94 in (100 mm)				
Constant Voltage	✓				
Max Run Length	16' 5" (5 m)*				
Cable Length Attached to RibbonLyte	19 in (48.26 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.				
Max Linear Run on Single DMX Universe (RGB)	56' 10" (17.3 m)				
Max Linear Run on Single DMX Universe (RGBW)	42' 8" (13 m)				

RibbonLyte Top View	Side View	Dimensions
		<p>Width 0.65 in (16.5 mm)</p> <p>Height 0.28 in (7.0 mm)</p>

CUTTABLE EVERY: 3.94 in (100 mm)

USAGE GUIDELINES

- IP67 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 IP67 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.

CONNECTORS AND ACCESSORIES



DMX Opto Splitter
Part Number: DMXOS8
- 8 DMX output terminals for 1 DMX input



Quadcore
Part Number: QCSSC
- 4-universe solid-state architectural lighting controller
- Record from an external DMX source
- Program show-control automation



DMX Address Writer
Part Number: DMXAWR
- Assign the starting address on independent runs



B Station
Part Number: RBADDBSTN
- Remote controls any function within the Quadcore
- Ethernet port
- Programming via web-interface
- Wall-mount



2 Conductor Female Connector to bare wire
Part Number: RBADDJUMP
5.9" (15cm) - 18 AWG
- One per run of RibbonLyte
- Connects T-connector to bare wire for driver
- Sold by the foot



3 Pin Female XLR Connector to bare wire
Part Number: DMXCBL3FB
11.8" (30cm) - 18 AWG
- One per run of ribbonlyte
- Connects T-connector to bare wire for DMX
- Sold by the foot



5-pin Male XLR Connector to bare wire
Part Number: DMXCBL5MB
11.8" (30cm) - 18 AWG
- One per run of ribbonlyte
- Connects Quadcore to bare wire for Opto Splitter
- Sold by the foot



T-Connector
Part Number: RBADDTCONNECT



2+4 Conductor Female Connector to bare wire
Part Number: RBADDJUMPFB
11.8" (30cm) - 20 AWG
- One per run of ribbonlyte
- Connects RibbonLyte to extension cable
- Sold by the foot



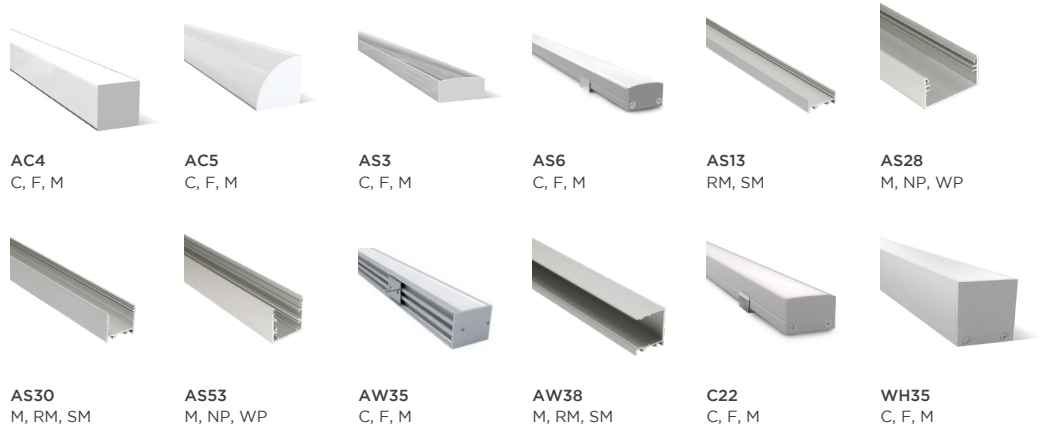
2+4 Conductor Male Connector to bare wire
Part Number: RBADDJUMPMB
11.8" (30cm) - 20 AWG
- One per run of ribbonlyte
- Connects T-connector to extension cable
- Sold by the foot

CHANNEL COMPATIBILITY / CHANNEL OPTIONS

CHANNEL	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	✓

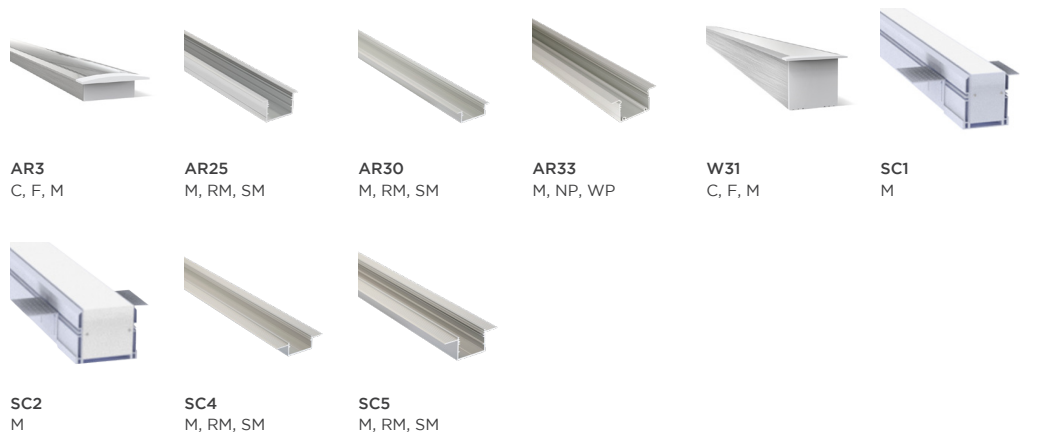
SURFACE MOUNTED CHANNELS

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



RECESSED CHANNELS

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



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

RGB & RGBW ADDRESSABLE RIBBONLYTE

