

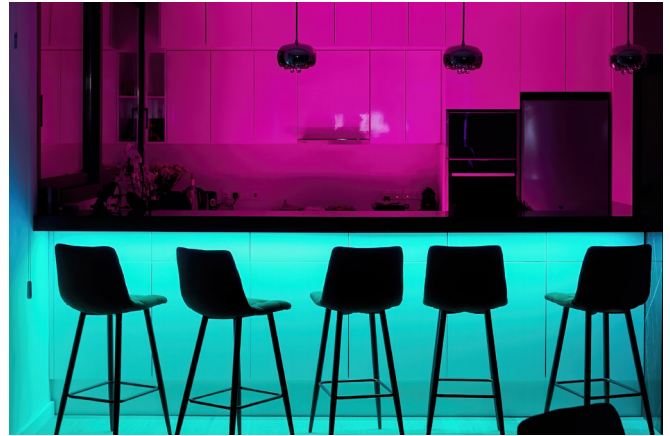
5.5 RGBA SERIES 2 RIBBONLYTE

5.5 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, higher efficiency and output, and improved cut lengths.

- Color changing with DMX controls
- Improved pitch of 36 LEDs per foot
- Increased efficacy and lumen output
- Tighter cut lengths of 2 in. (50 mm)

Applications:

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



RoHS IP65 IP68

ORDERING GUIDE

| Category | CRI | Ribbon Type & IP Rating | Wattage + Color |
|-----------------|--------------------|--|--------------------------|
| RB | 0 | | 5.5RGBA |
| RB - Ribbonlyte | 0 - Color Changing | RGBAS265 - RGBA Series 2 IP65 RGBAS268 - RGBA Series 2 IP68 | 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

SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

| 5.5 RGBA Series 2 RibbonLyte | |
|------------------------------|---|
| 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 | 36 LEDs/ft (120 LEDs/m) |
| Protection Rating | IP65, IP68 |
| Dimming/Control | DMX / Lutron Hi-Lume 1% dimming & Hi-Lume Premier 0.1% L3D0 LED drivers / Lutron VIVE code compliance available |
| Operating Temperature | -40° F to 140° F (-40° C to 60° C) |
| Colors/Color Temperatures | RGBA (RGB+Amber) |
| Lumens - RGBA | 253 lm/ft (830 lm/m) All LEDs at 100% |
| Binning Tolerance | +/- 100K (White) |
| LED Beam Angle | 120° |
| Lamp Life | 50,000 Hours |
| Cutable Length | 1.97 in (50 mm) |
| Lumens/Watt - RGBA | 46 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 |












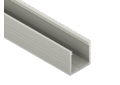






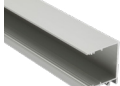






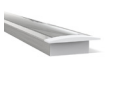






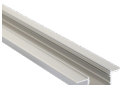
| DIMENSIONS | Top View | Side View | Dimensions |
|------------|--|---|---|
| IP65 |  <p>CUTTABLE EVERY: 1.97 in (50 mm)</p> |  | <p>Width 0.47 in (12 mm) Max Length 19 ft 7.9 in (6 m) Height 0.125 in (3.2 mm)</p> |
| IP68 |  <p>CUTTABLE EVERY: 1.97 in (50 mm)</p> |  | <p>Width 0.58 in (14.8 mm) Max Length 19 ft 7.9 in (6 m) Height 0.21 in (5.3 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.
- 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 | 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 | ✓ | ✓ | AC1 C, F, M | AC2 C, F, M | AC3 C, F, M | AC4 C, F, M | AC5 C, F, M | AS1 C, F, M | AS2 C, F, M | AS3 C, F, M |
| AC5 | ✓ | ✓ | | | | | | | | |
| AR1 | ✓ | |  |  |  |  |  |  |  |  |
| AR3 | ✓ | ✓ | | | | | | | | |
| AR8 | | | | | | | | | | |
| AR10 | | | | | | | | | | |
| AR16 | ✓ | ✓ | AS6 C, F, M | AS12 RM | AS13 RM, SM | AS16 C, K, M | AS23 C, K, M, SM | AS30 M, RM, SM | AT4 C, F, M | AT5 C, F, M |
| AR20 | ✓ | ✓ | | | | | | | | |
| AR25 | ✓ | ✓ |  |  |  |  |  |  |  |  |
| AR30 | ✓ | ✓ | | | | | | | | |
| AR33 | | | | | | | | | | |
| AS1 | ✓ | | AW12 C, K, M, RM | AW14 C, K, M | AW38 M, RM, SM | B1 C, F, M | B2 RM | ROUND12 C, K, M | WH35 C, F, M | |
| AS2 | ✓ | | | | | | | | | |
| AS3 | ✓ | ✓ | | | | | | | | |
| AS6 | ✓ | ✓ | | | | | | | | |
| AS10 | | | | | | | | | | |
| AS12 | ✓ | ✓ | | | | | | | | |
| AS13 | ✓ | ✓ | RECESSED CHANNELS | | | | | | | |
| AS16 | ✓ | ✓ | LENS OPTIONS: C - Clear F - Frosted K - Black M - Milky NP - Narrow Prismatic WP - Wide Prismatic RM - Round Milky SM - Square Milky | | | | | | | |
| AS20G | | |  |  |  |  |  |  |  |  |
| AS23 | ✓ | ✓ | AR1 C, F, M | AR3 C, F, M | AR16 C, M, K | AR20 C, K, M, SM | AR25 M, RM, SM | AR30 M, RM, SM | SC3 M | SC4 M, RM, SM |
| AS30 | ✓ | ✓ | | | | | | | | |
| AS53 | | | | | | | | | | |
| AT4 | ✓ | ✓ |  | | | | | | | |
| AT5 | ✓ | ✓ | | | | | | | | |
| AW10 | | | | | | | | | | |
| AW12 | ✓ | | | | | | | | | |
| AW14 | ✓ | | SC5 M, RM, SM | | | | | | | |
| AW38 | ✓ | ✓ | | | | | | | | |
| B1 | ✓ | | | | | | | | | |
| B2 | ✓ | | | | | | | | | |
| ROUND12 | ✓ | | | | | | | | | |
| SC3 | ✓ | | | | | | | | | |
| SC4 | ✓ | ✓ | | | | | | | | |
| SC5 | ✓ | ✓ | | | | | | | | |
| WH35 | ✓ | ✓ | | | | | | | | |

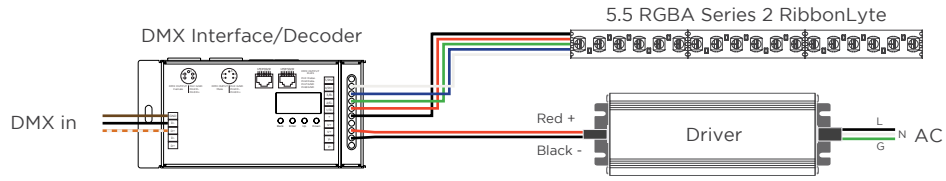
DISCLAIMER

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

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