4.4 RGB COLOR CHANGING RIBBONLYTE

GENLED Acolyte® 4.4 RGB RibbonLyte uses 3-in-1 RGB LEDs to create a full spectrum of up to 16 million colors. Our DMX control systems can program single rooms or entire buildings. Calendar modes, color fades, and many more controls make any environment more vibrant!

- 4.4 W/ft (14.4 W/m)
- Pair with GENLED Acolyte® channel profiles to create a custom fixture
- DMX controllable 3-in-1 RGB LEDs
- 24V constant voltage input

Applications:
Commercial  Hospitality  Residential
Entertainment  Museums  Retail
Healthcare  Public Spaces

![GENLED Acolyte®](image)

**RGB20**  **RGB65**  **RGB68**

**Applications:**
- Commercial
- Hospitality
- Residential
- Entertainment
- Museums
- Retail
- Healthcare
- Public Spaces

**CONNECTION OPTIONS**

1. End Feed Hard Wire Connection (Default Option)

2. IP67 Connector Input

3. Soldered Daisy Chain

4. Daisy Chain with IP67 Connectors

Standard cable length if not specified:
1. 12 in. cable with bare wire
2. Standard 12 in. cable with IP67 connectors
3. Daisy chain with 3 in. cable between runs
4. 3 in. cable between IP67 connector and RibbonLyte
5./6./7. Standard 12 in. cable with bare wire

**AVAILABLE COLORS**

- RGB

**ORDERING GUIDE**

<table>
<thead>
<tr>
<th>Category</th>
<th>CRI</th>
<th>Ribbon Type &amp; IP Rating</th>
<th>Wattage + Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>RB</td>
<td>0</td>
<td>RGB20 - RGB IP20</td>
<td>4.4RGB</td>
</tr>
<tr>
<td>RB - Ribbonlyte</td>
<td>0 - Color Chaning</td>
<td>RGB65 - RGB IP65</td>
<td>4.4RGB - 4.4 RGB</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RGB68 - RGB IP68</td>
<td></td>
</tr>
</tbody>
</table>

5-Day QuickShip program applies to IP20 options only
**SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES**

<table>
<thead>
<tr>
<th>4.4 RGB RIBBONLYTE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Voltage</td>
<td>24 V</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>4.4 W/ft (14.4 W/m)</td>
</tr>
<tr>
<td>Current (mA) - 24V</td>
<td>183 mA/ft (600.2 mA/m)</td>
</tr>
<tr>
<td>LED Pitch</td>
<td>18 LEDs/ft (60 LEDs/m)</td>
</tr>
<tr>
<td>Protection Rating IP20</td>
<td>✓</td>
</tr>
<tr>
<td>Protection Rating IP65</td>
<td>✓</td>
</tr>
<tr>
<td>Protection Rating IP68</td>
<td>✓</td>
</tr>
<tr>
<td>Dimming/Control</td>
<td>DMX / Lutron A-Series 1% dimming LED drivers</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40 F to 158 F (-40 C to 70 C)</td>
</tr>
<tr>
<td>Colors</td>
<td>Red, Green, Blue</td>
</tr>
<tr>
<td>Lumens</td>
<td>165 lm/ft (541 lm/m) All LEDs at 100%</td>
</tr>
<tr>
<td>LED Beam Angle</td>
<td>120°</td>
</tr>
<tr>
<td>Lamp Life</td>
<td>50,000 Hours</td>
</tr>
<tr>
<td>Cuttable Length</td>
<td>3.94 in (100 mm)</td>
</tr>
<tr>
<td>Lumens/Watt</td>
<td>37 lm/W</td>
</tr>
<tr>
<td>Constant Voltage</td>
<td>✓</td>
</tr>
<tr>
<td>Cable Length</td>
<td>12 in (30.5 cm)</td>
</tr>
</tbody>
</table>

**Certifications**

UL 8750 - Light Emitting Diode (LED) Equipment for Use in Lighting Products
UL 1598 / CSA 250.0-08 - Luminaires

**24V DIMENSIONS**

<table>
<thead>
<tr>
<th>24V DIMENSIONS</th>
<th>Top View</th>
<th>Side View</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP20</td>
<td><img src="image1" alt="Top View" /></td>
<td><img src="image2" alt="Side View" /></td>
<td>Width 0.39 in (10 mm)</td>
</tr>
<tr>
<td>IP65</td>
<td><img src="image3" alt="Top View" /></td>
<td><img src="image4" alt="Side View" /></td>
<td>Width 0.39 in (10 mm)</td>
</tr>
<tr>
<td>IP68</td>
<td><img src="image5" alt="Top View" /></td>
<td><img src="image6" alt="Side View" /></td>
<td>Width 0.52 in (13.3 mm)</td>
</tr>
</tbody>
</table>

*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:**

- 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/Home/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 Trac, MLV or ELV 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.

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.
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.
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WIRING DIAGRAMS

DMX

See wire colors at the right.

LED

Driver

DMX Interface/Decoder

DMX in

Red

Black

+ L

- N

AC

WIRE COLORS PER RIBBONLYTE COLOR

RGB

Black Wire (+) Positive
Red Wire (-) Goes To Red Channel
Green Wire (-) Goes To Green Channel
Blue Wire (-) Goes To Blue Channel

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