Flex Tube RGB is a flexible, direct view LED strip that features an RGB color changing output. It comes in a 7m spool that can be cut to length to suit project requirements or you can specify custom build to order lengths. It features a highly durable PVC body which is outdoor rated and impact resistant.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colors</td>
<td>RGB</td>
</tr>
<tr>
<td>Beam Angle</td>
<td>160°</td>
</tr>
<tr>
<td>Photometrics</td>
<td>37 lumens per foot, see page 4 for details</td>
</tr>
<tr>
<td>Strip Length</td>
<td>22.96’ (7m) field-cuttable spool, or built to order lengths in 100mm (3.93”) sections</td>
</tr>
<tr>
<td>Dimming Protocol &amp; Channel Count</td>
<td>DMX/RDM (0-100%), 0-10V (10-100%), or DALI (0-100%) via AL Driver Series, 3 channels</td>
</tr>
<tr>
<td>Maximum Fixture Runs</td>
<td>22.96’ (7m), 1 spool</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>3.75W per foot, 12W per meter, 84W per 22.96’ (7m) spool</td>
</tr>
<tr>
<td>Operating Voltage</td>
<td>24VDC</td>
</tr>
<tr>
<td>Lumen Maintenance</td>
<td>L70 @ 50,000 hours (25º C)</td>
</tr>
<tr>
<td>Mounting</td>
<td>Locking aluminum mounting channel, 1.37” (35mm), 3.28’ (1m), or 6.56’ (2m) lengths</td>
</tr>
<tr>
<td>Finish</td>
<td>White</td>
</tr>
<tr>
<td>Material</td>
<td>PVC</td>
</tr>
<tr>
<td>Ambient Operating Temperature</td>
<td>-40º F to 131º F (-40º C to 55º C)</td>
</tr>
<tr>
<td>IP Rating</td>
<td>IP68, wet location and submersible*</td>
</tr>
<tr>
<td>IK Rating</td>
<td>IK08, protection against 5 joule impact</td>
</tr>
<tr>
<td>Fixture Connectors</td>
<td>9.84’ (3m) injection molded feed cable and end cap included</td>
</tr>
<tr>
<td>Warranty</td>
<td>3 Years standard, 5 years optional (with additional charge), limited</td>
</tr>
<tr>
<td>Weight</td>
<td>5.6 lbs (2.54 kg) - 7m Spool</td>
</tr>
<tr>
<td>Dimensions</td>
<td>L: As specified W: 0.45” H: 0.88” / L: As specified W: 11.5 H: 22.5mm</td>
</tr>
</tbody>
</table>

*UL approval limits submersible installation to non-human occupied and freshwater locations only. All cables must be landed in environmentally suitable junction boxes.
ORDER CODES

* indicates special order

FTA - 1 2 # - # A H N

- **Control:**
  - 1 = DMX or DALI
  - 2 = Standard

- **Housing Finish:**
  - 4 = Side Feed*
  - 5 = Rear Feed
  - 6 = End Feed*

- **Feed Cable:**
  - A = 22.96’ (7m)
  - X = Custom†

- **Length:**
  - A = 22.96’ (7m)
  - X = Custom†

- **LED Color:**
  - H = RGB

- **Beam:**
  - A = 160°

- **Input Voltage:**
  - N = 24VDC

†: When ordering custom lengths, please specify number of 3.28” (100mm) sections required after X (22.96’, 7m maximum).

Example order code: FTA-125-X40AHN = 100mm x 40 / 4m (13.12’) spool

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FLEX TUBE RGB™

SPECIFICATION SHEET 2.0.6

Specifications subject to change without notice
RELATED COMPONENTS

Power Supplies (for use with single channel drivers or non dimming applications)

**APS-240-24**
2 spools maximum
240W, 24VDC, Dry location, DIN rail mount
115-230VAC (47-63Hz) input

**APS-300-24-IP**
3 spools maximum
300W, 24VDC, IP66 Wet location
100-277VAC (50-60Hz) input

**APS-480-24**
4 spools maximum
480W, 24VDC, Dry location, DIN rail mount
115-230VAC (47-63Hz) input

Multi Channel Driver (for use with stand alone power supplies above)

**ALD004**
AL Driver 4
Multi Channel DMX driver, 0-100% dimming range
6-24VDC input, 1 spool maximum
Use in conjunction with APS series

High Wattage Multi-protocol Drivers

**ALD-400-24**
AL Driver 400, 4 spools maximum
400W, 24VDC power supply +
DMX, 0-10V (sink & source), or DALI control
6 output ports, 100-277VAC input
0-100% dimming range (DMX or DALI)
10% - 100% dimming range (0-10V)

**ALD-800-24**
AL Driver 800, 9 spools maximum
800W, 24VDC power supply +
DMX, 0-10V (sink & source), or DALI control
10 output ports, 100-277VAC input
0-100% dimming range
10% - 100% dimming range (0-10V)
RELATED COMPONENTS

Mounting Accessories

FTCH35
35mm (1.37”) self-lock mounting channel
Aluminum profile, includes 2 screws

FTCH1000
1M (3.28’) self-lock mounting channel
Aluminum profile, includes 5 screws

FTCH2000
2M (6.56’) self-lock mounting channel
Aluminum profile, includes 10 screws

Additional Accessories

FTTK2
Flex Tube Toolkit
One required per project

Connection Accessories

FTEC-02
End cap for top emitting Flex Tube
Maintains IP68 rating, 2nd generation toolless design

PHOTOMETRICS

<table>
<thead>
<tr>
<th>Color</th>
<th>Lumens (per foot)</th>
<th>Max Candela</th>
<th>CRI</th>
<th>Lumens per Watt</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB</td>
<td>34.1</td>
<td>12</td>
<td>N/A</td>
<td>5.95</td>
</tr>
</tbody>
</table>