# FLEXI-LINE S GEN 2

Flexible Polyurethane Linear LED Luminaire with a
Choice of Static and Dynamic Colour Options

**Side Bending | Up to 68lm/W | Outdoor & Indoor Use**

**VEXICA**



**FLEXI-LINE-S-RGBW,** M&S, Stevenage, UK



**Remote Driver**

**MADE IN BRITAIN®**
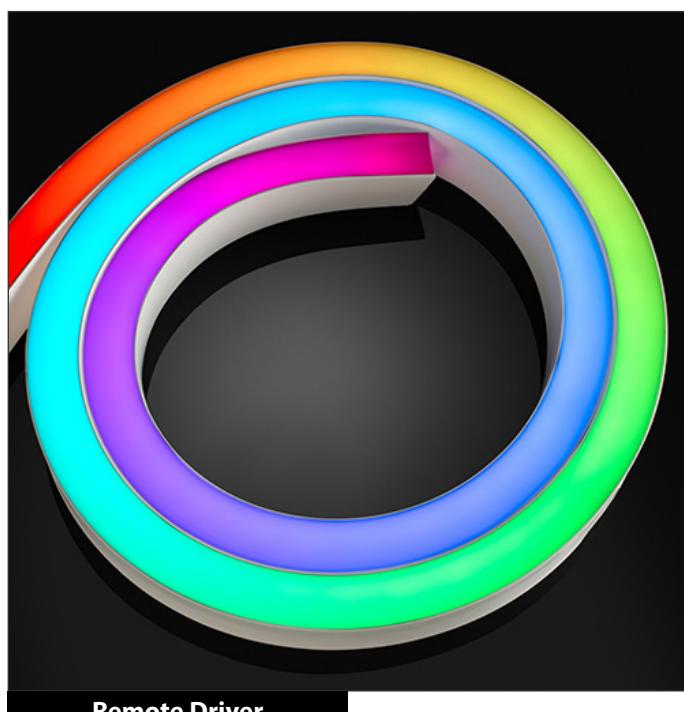
## Features & Benefits

**Continuous Linear Light**
Chamfered ends allow for bottom or side entry cable management, and a seamless appearance.

**Wide Range of LED Selections**
Static White, Tunable White, RGB, RGB Dynamic, RGBW & RGBW Dynamic options are available. White components specified at CRI 90 as standard.

**Resin Encapsulation Technology**
Luminaires encapsulated in polyurethane resin to ensure environmental robustness and longevity.

**Linear Homogeneous Output**
Diffused opal finish for homogeneous appearance.

**Choose Your Length**
Available in a wide range of lengths up to 4.8m with one driver powering up to 9.6m (6W/m only).

**Customisable**
Speak to your Vexica representative about any specific requests you have for your project.

**Compliance**
UKCA, CE, UL, IP67

**5-Year Warranty**
Standard 5-year warranty, L90 (Static White) @ >50,000 hours.

## LIGHT OUTPUT INFORMATION

### Efficacy (lm/W)

| Fixture Type | Power Output | Static White | | | | | | | Tunable White[1] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1800K | 2000K | 2200K | 2500K | 2700K | 3000K | 4000K | 2500K | 5000K | Max |
| | 6 W/m | 38 | 45 | 58 | 60 | 63 | 65 | 68 | - | - | - |
| S | 10 W/m | 38 | 45 | 58 | 60 | 63 | 65 | 68 | - | - | - |
| | 15 W/m | 38 | 45 | 58 | 60 | 63 | 65 | 68 | 45 | 53 | 49 |

| Fixture Type | Power Output | RGB[2] | | | | RGB Dynamic[2] | | | | RGBW[3] | | | | | RGBW Dynamic[3] | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Max | Red | Green | Blue | Max | Red | Green | Blue | Max | Red | Green | Blue | White | Max | Red | Green | Blue | White |
| S | 15 W/m | 23 | 14 | 49 | 9 | 18 | 12 | 31 | 6 | 32 | 14 | 54 | 10 | 51 | 27 | 13 | 40 | 8 | 35 |

### Luminaire Lumen Output (lm/m)

| Fixture Type | Power Output | Static White | | | | | | | Tunable White[1] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1800K | 2000K | 2200K | 2500K | 2700K | 3000K | 4000K | 2500K | 5000K | Max |
| | 6 W/m | 228 | 270 | 348 | 360 | 378 | 390 | 408 | - | - | - |
| S | 10 W/m | 380 | 450 | 580 | 600 | 630 | 650 | 680 | - | - | - |
| | 15 W/m | 570 | 675 | 870 | 900 | 945 | 975 | 1020 | 336 | 398 | 732 |

| Fixture Type | Power Output | RGB[2] | | | | RGB Dynamic[2] | | | | RGBW[3] | | | | | RGBW Dynamic[3] | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Max | Red | Green | Blue | Max | Red | Green | Blue | Max | Red | Green | Blue | White | Max | Red | Green | Blue | White |
| S | 15 W/m | 355 | 69 | 238 | 50 | 223 | 58 | 149 | 27 | 486 | 51 | 203 | 37 | 195 | 386 | 55 | 170 | 34 | 148 |

Where applicable the values above are specified at CRI 90 as standard.

RGBW white value given for 3000K as standard.

If the data that you require is missing, please contact your Vexica representative

[1] Tunable White consists of 2 channels (2500K & 5000K) each capable of outputting 50% of the luminaire maximum power. The 'Max' value is taken when both channels are running at 100% and the maximum luminaire power output is reached.

[2] RGB consists of 3 channels (Red, Green & Blue), each capable of outputting 1/3 of the total luminaire power output. The 'Max' value is taken when all three channels are at 100% and the fixture is running at its maximum power output.
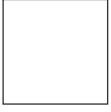
[3] RGBW consists of 4 channels (Red, Green, Blue & White), each capable of outputting 1/4 of the total luminaire power output. The 'Max' value is taken when all four channels are at 100% and the fixture is running at its maximum power output.

Vexica run regular development cycles, continuously optimising and balancing product specifications to best suit our customers. All information therefore, is intended as a guide and specifications may change on occasion without notice or announcement. Technical data is measured under controlled conditions, expected performance is within +/- 10% of advertised figures. Luminaire output stated is actual value from the luminaire itself. Information provided above is intended as a description of the product and shall not be used in the form of any contract.

## ELECTRICAL INFORMATION

| | |
|---|---|
| **Power Options** | 6W/m    (Static White Only) |
| | 10W/m   (Static White Only) |
| | 15W/m   (All Options) |
| **Input Voltage** | 24 VDC (23V Min, 25V Max) |
| **Dimmable** | Yes |
| **Connection Type** | JST JWPF IP67 |
| **LED Binning** | 3 SDCM (White Only) |
| **Maximum Chain Length** | 9600mm (6W/m Only) |
| | 4800mm (10W/m & 15W/m) |

## PHYSICAL & ENVIRONMENTAL INFORMATION

**Housing Colour**

White

Contact Us for

Special Projects

| | |
|---|---|
| **Finish** | Flexible Polyurethane Resin |
| **Ambient Operating Temperature** | -10°C to +50°C |
| **Ambient Storage Temperature** | -30°C to +85°C |
| **IP Rating** | IP67 |
| **IK Rating** | IK03 |
| **Weight** | 0.350kg/m |

## LED CCT/COLOUR OPTIONS

**STATIC WHITE**[a]
1800K, 2000K, 2200K, 2500K,
2700K, 3000K, 4000K
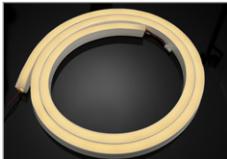


**TUNABLE WHITE**[b]
2500K to 5000K



**TUNABLE RGB**[c]
RGB LED Colour Mixing



**TUNABLE RGBW**[e]
RGBW (3000K)
LED Colour Mixing
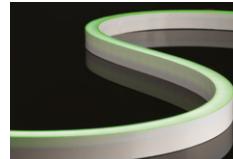


**DYNAMIC RGB**[d]
RGB SPI Dynamic Pixels



| Pixel Pitch (mm) | Pixel Density (px/m) |
|---|---|
| 100 | 10 |
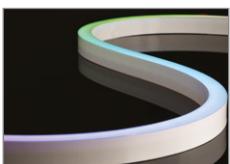
**DYNAMIC RGBW**[d]
RGBW (3000K)
SPI Dynamic Pixels



| Pixel Pitch (mm) | Pixel Density (px/m) |
|---|---|
| 100 | 10 |

## LENGTH (L) OPTIONS

| Product | LED Colour | Minimum Length (mm) | Maximum Length (mm) | Length Increments (mm) | Length Options (mm) |
|---|---|---|---|---|---|
| S | White Tunable White RGBW | 67 | 4817 | 50 | 67, 117, 167, 217, 267, 317, 367, 417, 467, 517, 567, 617, 667, 717, 767, 817, 867, 917, 967, 1017, 1067, 1117, 1167, 1217, 1267, 1317, 1367, 1417, 1467, 1517, 1567, 1617, 1667, 1717, 1767, 1817, 1867, 1917, 1967, 2017, 2067, 2117, 2167, 2217, 2267, 2317, 2367, 2417, 2467, 2517, 2567, 2617, 2667, 2717, 2767, 2817, 2867, 2917, 2967, 3017, 3067, 3117, 3167, 3217, 3267, 3317, 3367, 3417, 3467, 3517, 3567, 3617, 3667, 3717, 3767, 3817, 3867, 3917, 3967, 4017, 4067, 4117, 4167, 4217, 4267, 4317, 4367, 4417, 4467, 4517, 4567, 4617, 4667, 4717, 4767, 4817 |
|  | RGB RGB Dynamic RGBW Dynamic | 117 | 4817 | 100 | 117, 217, 317, 417, 517, 617, 717, 817, 917, 1017, 1117, 1217, 1317, 1417, 1517, 1617, 1717, 1817, 1917, 2017, 2117, 2217, 2317, 2417, 2517, 2617, 2717, 2817, 2917, 3017, 3117, 3217, 3317, 3417, 3517, 3617, 3717, 3817, 3917, 4017, 4117, 4217, 4317, 4417, 4517, 4617, 4717, 4817 |

## MOUNTING OPTIONS

**FLUSH MOUNT CLIP**
Stainless Steel



ORDER CODE: 007900

**CABLE MANAGEMENT CLIP**
Stainless Steel



ORDER CODE: 008981

**FLEXI-CHANNEL GUIDE**
Stainless Steel



ORDER CODE: 017227

[a] White supplied at CRI 90 as standard.
[b] Tunable White consists of 2 channels (2500K & 5000K) each capable of 50% of the luminaire power output. Only when both channels are run at 100% will the luminaire reach maximum output. Control will affect the full length of the luminaire.
[c] Tunable RGB consists of 3 channels (Red, Green & Blue) each capable of 1/3 of the luminaire power output. Only when all channels are run at 100% will the luminaire reach maximum output. Control will affect the full length of the luminaire.
[d] Must be used in conjunction with Vexica HybridDrive6 driver plus PSU. Max cable length from driver to first fitting is 1m, any extensions will require additional equipment. Contact your Vexica rep for details.
[e] Tunable RGBW consists of 4 channels (Red, Green, Blue & White) each capable of 25% of the luminaire power output. Only when all channels are run at 100% will the luminaire reach maximum output. Control will affect the full length of the luminaire. White is supplied at 3000K as standard with other CCTs available on request.

## PRODUCT DIMENSIONS

**Flexi-Line S**

Side-Bending
Single sided lumination



**Minimum Bend Radius**



Min Bend Radius = 150mm [5 $^{7}/_{8}$"]

Min Bend Diameter = 300mm [11 $^{13}/_{16}$"]
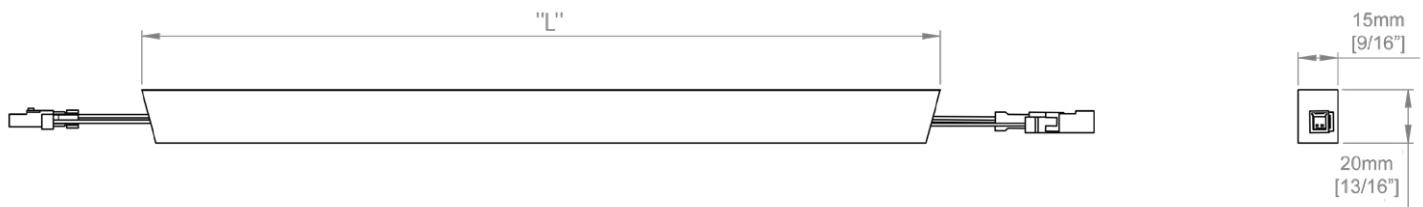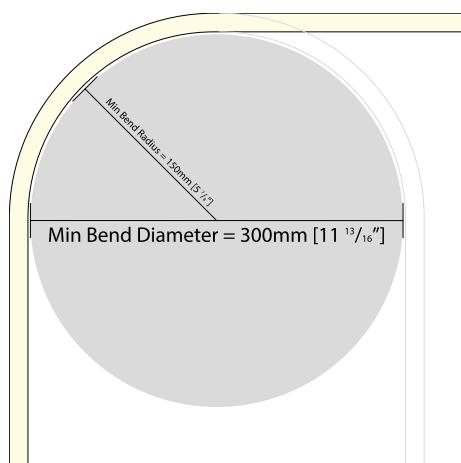
## FIXTURE ORDERING

Project Name

### 1) FIXTURE & OUTPUT TYPE

| PRODUCT | TYPE | | CCT/LED Colour | |
|---------|------|--|----------------|--|
| **VEX-FLEXI-LINE** | **S** | | | |
| Flexi-Line is a Flexible Polyurethane, Exterior-Grade, Linear LED Luminaire. | **S** | Side Bending Single-Sided Lumination | **1800K** | 1800K |
| | | | **2000K** | 2000K |
| | | | **2200K** | 2200K |
| | | | **2500K** | 2500K |
| | | | **2700K** | 2700K |
| | | | **3000K** | 3000K |
| | | | **4000K** | 4000K |
| | | | **TW-2500K-5000K** | Tunable White (2500K to 5000K) |
| | | | **RGB** | Tunable RGB |
| | | | **RGB-DYN** | Dynamic RGB |
| | | | **RGBW-3000K** | Tunable RGBW (3000K) |
| | | | **RGBW-DYN-3000K** | Dynamic RGBW (3000K) |

### 2) LUMINAIRE LENGTH (Select For Chosen Type & CCT/LED Colour)

LENGTH

| | **WHITE, TUNABLE WHITE & RGBW** | | **RGB, RGB-DYN, RGBW-DYN** | |
|--|-------------------------------|--|---------------------------|--|
| **X** | Specify Xmm<br>50mm Intervals + 17mm<br>Minimum = 67mm<br>Maximum = 4817mm | | Specify Xmm<br>100mm Intervals + 17mm<br>Minimum = 117mm<br>Maximum = 4817mm | |

### 3) FIXTURE POWER, IP RATING & BEAM PATTERN

| POWER OPTION | | IP RATING | | BEAM PATTERN | |
|--------------|--|-----------|--|--------------|--|
| | | **IP67** | | **DIF** | |
| **6W** | 6W/m (Static White Only) | **IP67** | Water & Dust Proof<br>Suitable for outdoor use | **DIF** | Diffuse Homogeneous |
| **10W** | 10W/m (Static White Only) | | | | |
| **15W** | 15W/m (All Options) | | | | |

## PRODUCT CODE:

**EXAMPLE:** VEX - FLEXI - LINE - S - TW - 2500K - 5000K - 4817 - 15W - IP67 - DIF

## STANDARDS & CERTIFICATIONS

**Compliance**

**Standard Marks**

**Environmental Suitability**

| | |
|---|---|
| **Sustainability** | Responsibly manufactured from materials that are free from 'Red List' chemicals |
| **Recyclable** | Not Recyclable |

**Reliability**

| | |
|---|---|
| **Manufacturing** | All Vexica products are manufactured in our UK-based factory using components sourced from internationally recognised 'tier 1' suppliers |
| **Quality Assurance** | Each product is designed and manufactured for reliability and each batch undergoes through quality assurance testing |

**Warranty & Terms**

**Terms & Conditions**          **Warranty Registration**

For details on our warranty and business terms, please click or scan the QR Code.

**Notes**
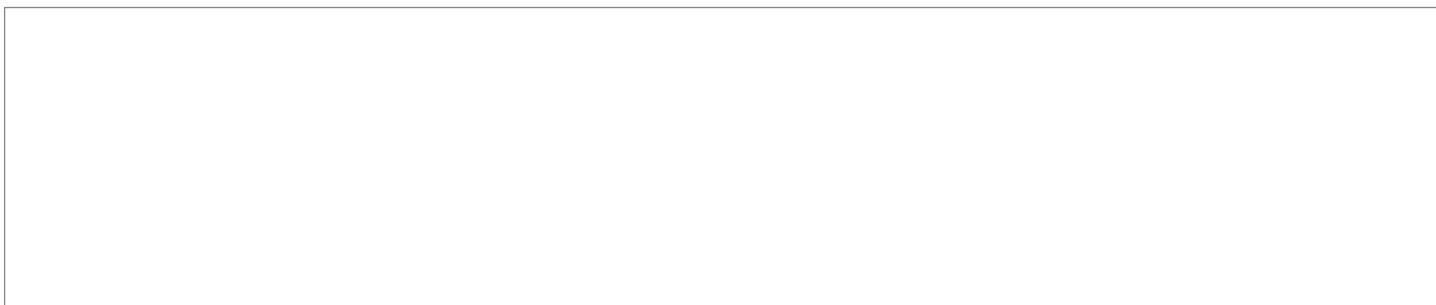
**VEXICA**

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Flexi-Line S (Gen 2) - Specification Guide - Rev B