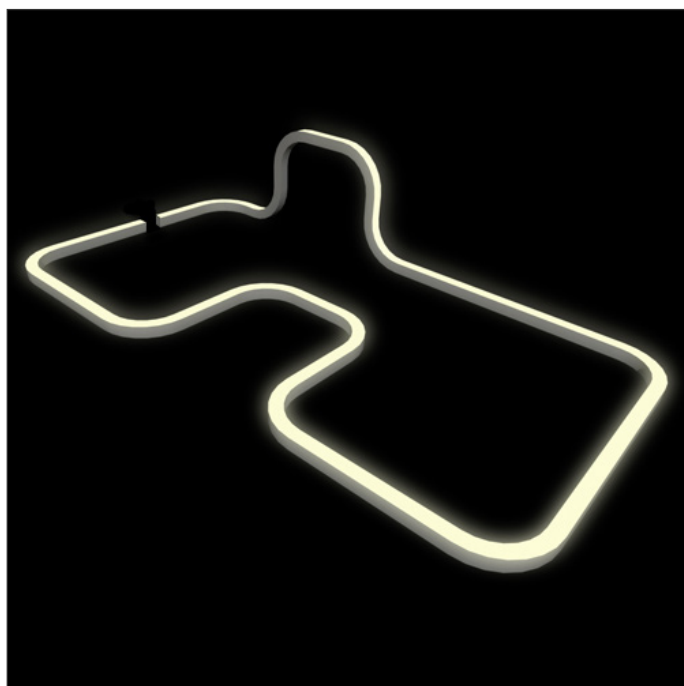


FLEXI-LINE 3D

VEXICA

A Super Flexible Linear LED Luminaire With Diffuse Output in a Choice of CCT and Colour Options

16mm x 16mm | Dual Axis '3D' Bending | Indoor & Outdoor Use



Remote Driver

**MADE IN
BRITAIN**®

Features & Benefits

Dual Axis '3D' Bending

Flexible in both top and side directions this luminaire can effortlessly conform to the most complex profiles.

Wide Range of LED Selections

Static White, Tunable White, RGB and RGB Dynamic options are available at CRI 90 as standard. 24V and 48V options available.

Superior Flexible Technology

A high-grade, super flexible silicone body ensures environmental robustness and longevity.

Linear Homogeneous Output

Diffused opal finish for a 'dot-free' homogeneous appearance.

Choose Your Length

Lengths up to 50m with on-site cutting options available.

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, L70 (Static White) @ >50,000 hours.

LIGHT OUTPUT INFORMATION

Efficacy (lm/W)

		Static White						Tunable White ¹			RGB ²				RGB Dynamic ²			
Fixture Type	Power Output	2700K	3000K	3500K	4000K	5000K	6000K	2500K	4500K	Mid-Range	Max (White)	Red	Green	Blue	Max (White)	Red	Green	Blue
Flexi-Line 3D	5 W/m	46	48	48	51	51	51	-	-	-	-	-	-	-	-	-	-	-
	10 W/m	46	48	48	51	51	51	-	-	-	-	-	-	-	-	-	-	-
	14 W/m	46	48	48	51	51	51	44	49	44	21	12	43	9	19			

Luminaire Lumen Output (lm/m)

		Static White						Tunable White ¹			RGB ²				RGB Dynamic ²			
Fixture Type	Power Output	2700K	3000K	3500K	4000K	5000K	6000K	2500K	4500K	Max (Full Power)	Max (White)	Red	Green	Blue	Max (White)	Red	Green	Blue
Flexi-Line 3D	5 W/m	230	240	240	255	255	255	-	-	-	-	-	-	-	-	-	-	-
	10 W/m	455	480	480	505	505	505	-	-	-	-	-	-	-	-	-	-	-
	14 W/m	640	675	675	710	710	710	310	340	610	295	55	200	40	265	50	180	35

The above output values are specified at CRI 90 as standard. Static white options also available at CRI 80 on request.

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

¹ Tunable White consists of 2 channels each rated at 7W/m. Lumen values for 2500K & 4500K are taken with the respective channel at 100%. The 'Max' value is taken with both channels at 100% and the combined total output being 14W/m.

² RGB consists of 3 channels (Red, Green & Blue), each capable of outputting 1/3 of the maximum luminaire power. The 'Max (White)' value is taken when all channels are at 100% and the fixture is drawing the maximum total luminaire output of 14W/m.

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	Static White (Standard)	14W/m
	Static White (Ultra Long)	5W/m, 10W/m, 14W/m
	Tunable White	14W/m
	Tunable Colour (RGB)	14W/m
	Dynamic Colour (RGB)	14W/m
Input Voltage	24 VDC (23V Min, 25V Max) - All Options	
	48 VDC (23V Min, 25V Max) - Static White (Ultra Long) Only	
Dimmable	Yes	
Connection Type	300mm IP Connector or Flying Lead (Input/Output or Input Only)	
Cable Entry/Exit	End Feed Entry/Exit	
	Side Feed Entry/Exit	
	Bottom Feed Entry/Exit	
LED Binning	3 SDCM (White Only)	
Maximum Chain Length (Single Side Power Feed)	Static White (Standard)	5m
	Static White (24V Ultra Long)	25m (5W/m), 15m (10W/m), 10m (14W/m)
	Static White (48V Ultra Long)	50m (5W/m), 30m (10W/m), 20m (14W/m)
	Tunable White	5m
	Tunable Colour (RGB)	5m
	Dynamic Colour (RGB)	5m

PHYSICAL & ENVIRONMENTAL INFORMATION

Housing Colour



White

Finish	Flexible White Silicone
Ambient Operating Temperature	-20°C to +50°C
Ambient Storage Temperature	-20°C to +60°C
IP Rating	IP67
IK Rating	IK06
Weight	0.240 kg/m

LED CCT/COLOUR OPTIONS

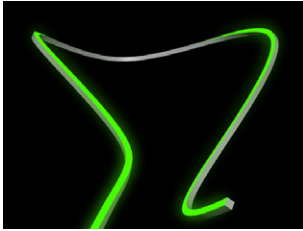
STATIC WHITE^a
2700K, 3000K, 3500K,
4000K, 5000K, 6000K



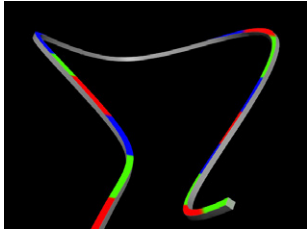
TUNABLE WHITE^b
2500K to 4500K



TUNABLE COLOUR^c
RGB LED Colour Mixing



DYNAMIC COLOUR^d
RGB LED SPI Control

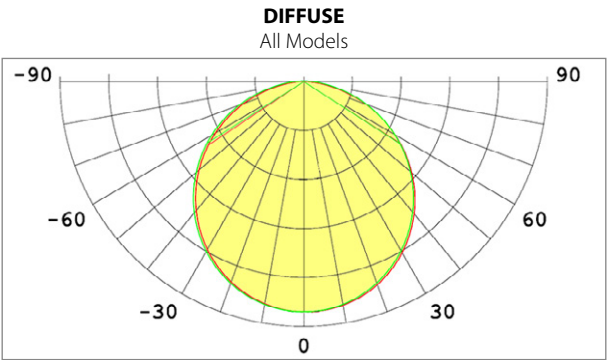


LENGTH (L) OPTIONS

Product	LED Colour	Type	Input Voltage (VDC)	Power Rating (W/m)	Reel Length (mm)	Length Increments (mm)
Flexi-Line 3D	Static White	Standard	24	14	5000	50
	Static White	Ultra Long	24	5	25000	50
				10	15000	
				14	10000	
	Static White	Ultra Long	48	5	50000	100
				10	30000	
				14	20000	
	Tunable White	Standard	24	14	5000	50
	Tunable Colour (RGB)	Standard	24	14	5000	50
	Dynamic Colour (RGB)	Standard	24	14	5000	50

NOTE
Luminaires are supplied as complete 'bare reels' only to be cut to final installation length on site. Separate end caps are required to terminate and waterproof the luminaire for operation. When installed as directed, the glued end caps will add 7mm to the cut length of the luminaire.

BEAMSHAPE

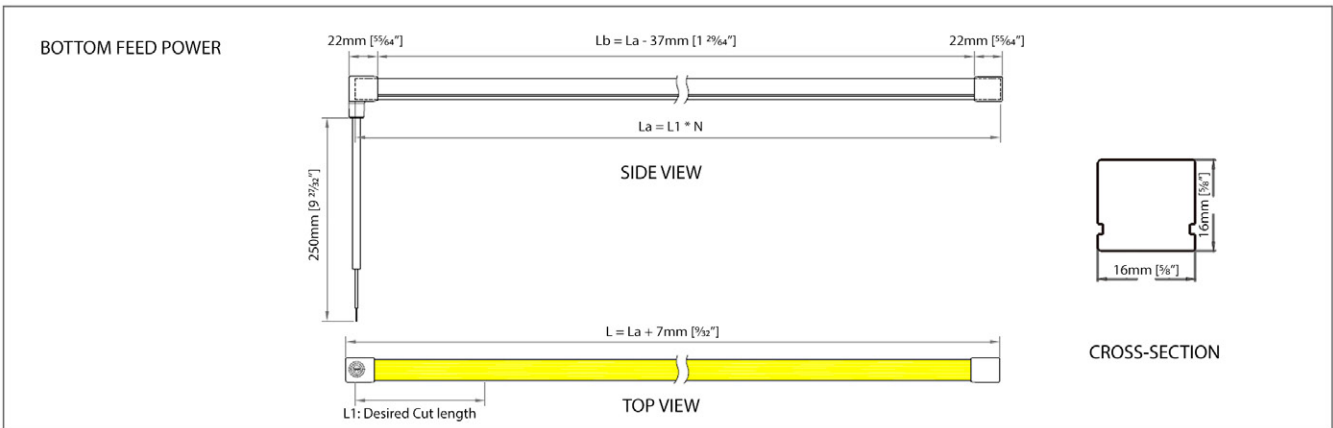
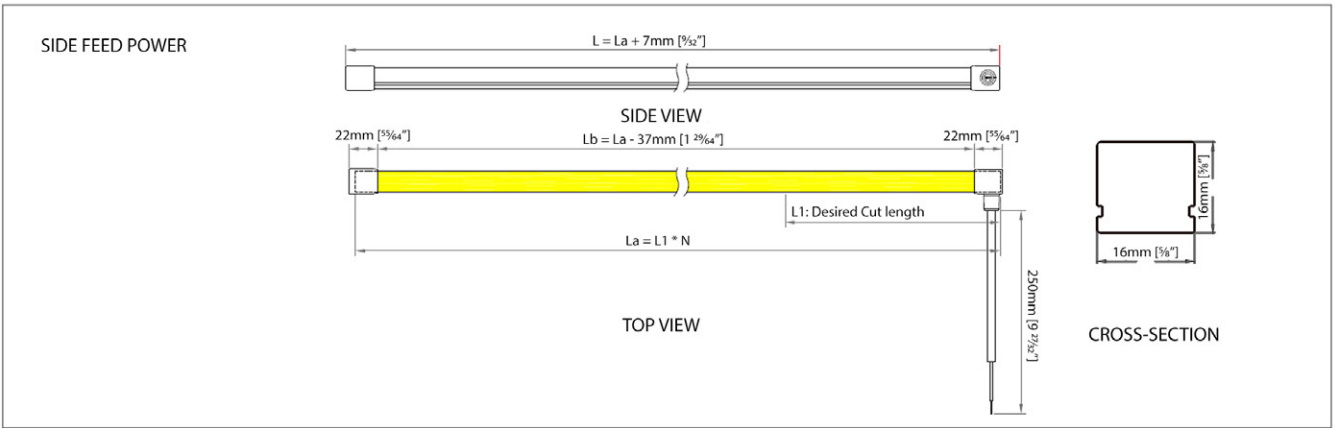
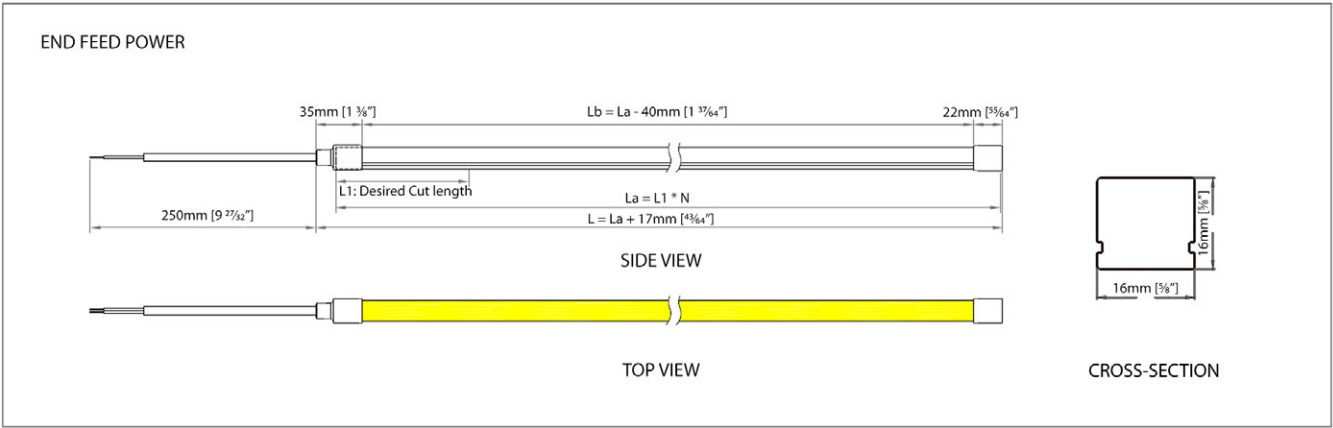


^a Static white is available with a 5m maximum run length as standard, for extended runs up to 50m our ultra long model (24V or 48V) should be selected.
^b Tunable White consists of 2 channels each capable of 50% at the maximum luminaire power rating. When both channels are AT 100%, the maximum power output of the luminaire will be achieved.
^c Each colour channel represents 1/3 of the maximum luminaire power output. When all channels are at 100% the luminaire maximum output will be achieved.
^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.

PRODUCT DIMENSIONS CONTD.

Site Cut Lengths with Glued End Caps

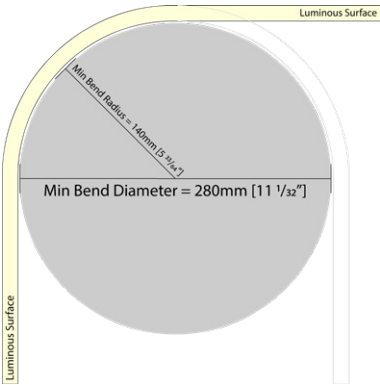
Dual Axis '3D' Bending
Single sided lumination



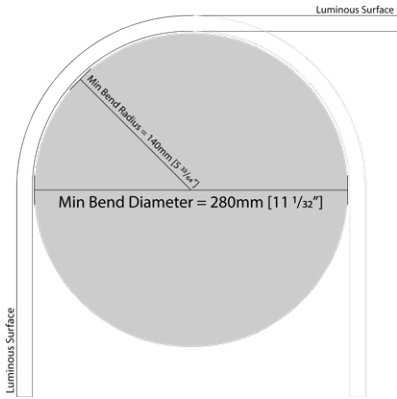
PRODUCT DIMENSIONS CONTD.

Minimum Bend Radius

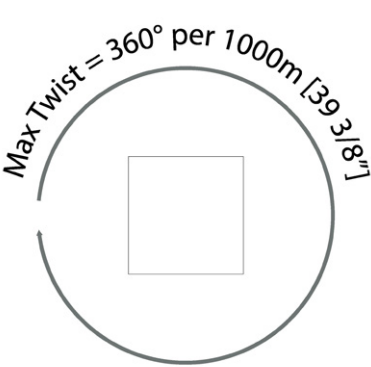
Minimum 'Side' Bend Radius



Minimum 'Top' Bend Radius



Maximum Longitudinal Twist



ACCESSORIES

Mounting Accessories

SURFACE MOUNT CLIP
Metal



RETAINER CLIP
Clear Plastic



RIGID CHANNEL
Anodised Aluminium



3D FLEXIBLE CHANNEL
Stainless Steel



A 'plaster-in' 3D flexible channel is also available on request.

Ask your Vexica representative for details.

Glued End Cap Accessories

END FEED ENDCAP
White Silicone



SIDE FEED ENDCAP
White Silicone



BOTTOM FEED ENDCAP
White Silicone



BLANK ENDCAP
White Silicone



ENDCAP GLUE
Compatible for Sealing



FIXTURE ORDERING

Project Name

1) FIXTURE & OUTPUT TYPE

PRODUCT	TYPE		CCT/LED Colour	
VEX-FLEXI-LINE	3D			
Flexi-Line is a Flexible Silicone, Exterior-Grade, Linear LED Luminaire.	3D	Dual Axis '3D' Bending Single Sided Lumination	2700K 3000K 3500K 4000K 5000K 6000K TW-2500K-4500K RGB RGB-DYN	Static White (2700K) Static White (3000K) Static White (3500K) Static White (4000K) Static White (5000K) Static White (6000K) Tunable White (2500K - 4500K) Tunable Colour (RGB) Dynamic Colour (RGB)

2) FIXTURE POWER & MODEL

POWER OPTION		MODEL	
5W	5W/m (Static White Only)	-	Standard Length, 24V
10W	10W/m (Static White Only)	UL	Ultra Long, 24V (Static White Only)
14W	14W/m (All Options)	48V-UL	Ultra Long, 48V (Static White Only)

3) LUMINAIRE LENGTH (Select For Chosen Model & Power)

LENGTH			
ALL VARIANTS		ULTRA LONG (ONLY)	
5000mm	5000mm Reel (All Variants)	10000mm	10000mm Reel (24VDC, 14W/m, Static White Only)
		15000mm	15000mm Reel (24VDC, 10W/m, Static White Only)
		20000mm	20000mm Reel (48VDC, 14W/m, Static White Only)
		25000mm	25000mm Reel (24VDC, 5W/m, Static White Only)
		30000mm	30000mm Reel (48VDC, 10W/m, Static White Only)
		50000mm	50000mm Reel (48VDC, 5W/m, Static White Only)

4) IP RATING, BEAM PATTERN & END TYPE

IP RATING	BEAM PATTERN	END TYPE	
IP67	DIF	BARE-REEL	
IP67	Water & Dust Proof Suitable for outdoor use	DIF	Diffuse Homogeneous
		BARE-REEL	Open Ends, No Cables (Requires Further Endcap Accessories - See P8)

PRODUCT CODE:

EXAMPLE: VEX - FLEXI - LINE- 3D - 2700K - 50000mm - 14W - IP67 - DIF - BARE - REEL - 48V - UL

END CAP ACCESSORIES (For On-Site End Preparation)

To ensure correct operation and maintain IP rating, bare reel or site-cut luminaires must be terminated using one of the end cap kits below.

Kits must be applied following the procedure in the Flexi-Line 3D installation guide. Failure to do so may result in incorrect operation and will void any warranty.

If you require guidance, please contact your Vexica representative who will be happy to assist.

PRODUCT

VEX-FLEXI-LINE-3D-ACCESSORY	
VEX-FLEXI-LINE-3D-ACCESSORY	Water & Dust Proof Suitable for outdoor use

CONNECTION TYPE

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STANDARD LENGTH

INPUT-CABLE-300mm	300mm Input Cable
GLUE-ENDCAP-CABLE-SET-300mm	End Cap Kit with 300mm Connectors & Glue
GLUE-ENDCAP-CABLE-SET-300mm-TAILS	End Cap Kit with 300mm Tails & Glue
GLUE-ENDCAP-CABLE-SET-300mm-INPUT-ONLY	End Cap Kit with 300mm Connectors & Glue (Includes Blanking End Cap)
GLUE-ENDCAP-CABLE-SET-300mm-TAILS-INPUT-ONLY	End Cap Kit with 300mm Tails & Glue (Includes Blanking End Cap)

CABLE WAYS

FEED TYPE

2-WAY	Static White (2-Way Cable)	BF	Bottom Entry End Cap & Glue
3-WAY	Tunable White (3-Way Cable)	EF	End Entry End Cap & Glue
4-WAY	Tunable Colour RGB (4-Way Cable)	SF	Side Entry End Cap & Glue

ACCESSORY CODE:

EXAMPLE: VEX - FLEXI - LINE - 3D - ACCESSORY - GLUE - ENDCAP - CABLE - SET - 300mm - TAILS - INPUT - ONLY - 2 - WAY - SF

MOUNTING ACCESSORIES

PART NO.	DESCRIPTION	PRODUCT CODE
023059	Metal surface fixing clip	VEX-FLEXI-LINE-3D-ACCESSORY-SURFACE-MOUNT-CLIP
023060	Clear plastic retaining clip	VEX-FLEXI-LINE-3D-ACCESSORY-RETAINER-CLIP
022866	Rigid anodised aluminium channel (1m)	VEX-FLEXI-LINE-3D-ACCESSORY-RIGID-CHANNEL-1000mm
023061	3D bending flexible stainless steel channel (1m)	VEX-FLEXI-LINE-3D-ACCESSORY-3D-BEND-FLEXIBLE-CHANNEL-1000mm

STANDARDS & CERTIFICATIONS

Compliance

Standard Marks



NOTE
48V Model is suitable for dry & damp locations in accordance with UL2108

Environmental Suitability

Recyclable

Not recyclable.

Reliability

Quality Assurance

All products are carefully selected and tested by Vexica so that you can be assured of their quality, function and reliability.

Warranty & Terms

[Terms & Conditions](#)

[Warranty Registration](#)

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

Notes



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