

FLEXI-LINE 360

A Super Flexible, Cylindrical LED Luminaire in a Choice of CCTs and Colours.

25mm Diameter | 3D Bending | Indoor & Outdoor Use



Remote Driver



Features & Benefits

Dual Axis '3D' Bending

Flexible in both top and side directions this luminaire complex effects to be achieved with ease.

Wide Range of CCT Selections

Static White, Tunable White, RGB, RGBW & SPI Dynamic options are available at CRI 90 as standard.

Resin Encapsulation Technology

Luminaire contained in a flexible encapsulant to ensure environmental robustness and longevity.

Linear Homogeneous Output

Diffused opal finish for homogeneous appearance.

Multiple Suspension Options

Let your imagination run wild with the many different ways that Flexi-Line 360 can be suspended.

Multiple Lengths

Standard length of 5m with other lengths available on request. A 48V Static white option can be run to 15m.

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					
Fixture Type	Input Voltage	Power Output	2700K	3000K	3500K	4000K	5000K	6000K
Flexi-Line 360	48 VDC (Ultra Long)	12 W/m	64	68	68	71	70	70
	24 VDC (Standard)	14 W/m	64	68	68	71	70	70

			Tunable White ¹			RGB ²				RGBW ³				
Fixture Type	Power Output		2500K	4500K	Mid-Range (Max)	Max (All)	Red	Green	Blue	Max (All)	Red	Green	Blue	White (3000K)
Flexi-Line 360	18 W/m		66	71	65	40	25	86	14	35	15	65	13	46

			RGB Dynamic ⁴				RGBW Dynamic ⁴				
Fixture Type	Power Output		Max (All)	Red	Green	Blue	Max (All)	Red	Green	Blue	White (3000K)
Flexi-Line 360	18 W/m		24	14	49	8	31	16	56	9	43

The values above are specified at CRI = 90

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

¹ Tunable White consists of 2 channels each rated at 50% or the maximum luminaire power Lumen values for 2500K & 4500K are taken with the respective channel at 100%. The 'Max' value is taken with both channels at 100%.

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%.

³ RGBW consists of 4 channels (Red, Green, Blue & White), each capable of outputting 25% of the maximum luminaire power.

⁴ RGB & RGBW Dynamic options must be used in conjunction with a Vexica HybridDrive6 driver and PSU. Max cable length from driver to first fitting is 1m, any extensions will require additional equipment. Contact your Vexica rep for details.

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.

LIGHT OUTPUT INFORMATION

Luminaire Lumen Output (lm/m)

			Static White					
Fixture Type	Input Voltage	Power Output	2700K	3000K	3500K	4000K	5000K	6000K
Flexi-Line 360	48 VDC (Ultra Long)	12 W/m	770	815	815	850	835	835
	24 VDC (Standard)	14 W/m	900	950	950	1000	980	980

		Tunable White ¹			RGB ²				RGBW ³				
Fixture Type	Power Output	2500K	4500K	Mid-Range (Max)	Max (All)	Red	Green	Blue	Max (All)	Red	Green	Blue	White (3000K)
Flexi-Line 360	18 W/m	590	640	1170	720	150	515	85	630	70	295	60	210

		RGB Dynamic ²				RGBW Dynamic ³				
Fixture Type	Power Output	Max (All)	Red	Green	Blue	Max (All)	Red	Green	Blue	White (3000K)
Flexi-Line 360	18 W/m	430	85	295	50	560	75	250	40	195

The values above are specified at CRI = 90

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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%.

³ RGBW consists of 4 channels (Red, Green, Blue & White), each capable of outputting 25% of the maximum luminaire power.

⁴ RGB & RGBW Dynamic options must be used in conjunction with a Vexica HybridDrive6 driver and PSU. Max cable length from driver to first fitting is 1m, any extensions will require additional equipment. Contact your Vexica rep for details.

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ELECTRICAL INFORMATION

Power Options	Static White (48VDC)	12 W/m
	Static White (24VDC)	14 W/m
	Tunable White	18W/m
	Tunable Colour (RGB)	18W/m
	Tunable Colour (RGBW)	18W/m
	Dynamic Colour (RGB)	18W/m
	Dynamic Colour (RGBW)	18W/m
Input Voltage	24 VDC (23.5V Min, 24.5V Max)	
	48 VDC (47.5V Min, 48.5V Max) - Static White Ultra Long ONLY	
Dimmable	Yes	
LED Binning	3 SDCM (White Only)	
LED Density (Type)	Static White	320/m (SMD2835)
	Tunable White	616/m (SMD2216)
	Tunable Colour (RGB)	224/m (SMD4040)
	Tunable Colour (RGBW)	240/m (SMD4040)
	Dynamic Colour (RGB)	240/m (SMD2835)
	Dynamic Colour (RGBW)	224/m (SMD4040)
Connection Type	300mm IP Connector or Flying Lead (Input/Output or Input Only)	
Cable Entry	End Feed Entry/Exit	
Maximum Chain Length	5000mm	
	15000mm - Static White Ultra Long ONLY	

PHYSICAL & ENVIRONMENTAL INFORMATION

Housing Colour	 White
Finish	Flexible Silicone Extrusion
Bend Direction	3D Bending
Ambient Operating Temperature	-20°C to +45°C (55°C for power below 9W/m)
Ambient Storage Temperature	-20°C to +50°C
IP Rating	IP67 (Reduced to IP20 by certain mounting accessories)
IK Rating	IK08
Weight	0.600 kg/m

LED CCT/COLOUR OPTIONS

STATIC WHITE^a

1800K, 2000K, 2200K, 2500K, 2700K, 3000K, 3500K, 4000K, 5000K, 6000K



TUNABLE WHITE^b

2500K to 4500K



TUNABLE COLOUR^c

RGB



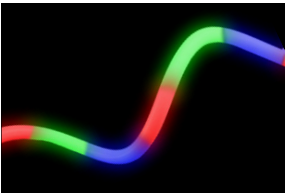
TUNABLE COLOUR^d

RGBW (3000K)



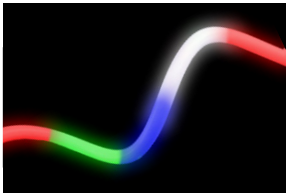
DYNAMIC COLOUR^e

RGB



DYNAMIC COLOUR^e

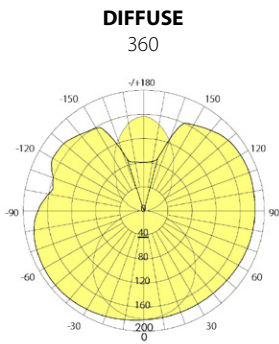
RGBW (3000K)



LENGTH (L) OPTIONS

Product	LED Colour	Type	Reel Length (mm)	Cutting Increments (mm)	
Flexi-Line 360	Static White	24V	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 4mm to the cut length of the luminaire.
	Static White	48V	15000	50	
	Tunable White	Standard	5000	45.5	
	Tunable Colour (RGB)	Standard	5000	62.5	
	Tunable Colour (RGBW)	Standard	5000	50	
	Dynamic Colour (RGB)	Standard	5000	100	
	Dynamic Colour (RGBW)	Standard	5000	125	

BEAMSHAPE



^aStatic white is available with a 5m maximum run length as standard (24VDC), for extended runs up to 15m our ultra long model (48VDC) should be selected.

^bTunable 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.

^cEach colour channel represents 1/3 of the maximum luminaire power output. When all channels are at 100% the luminaire maximum output will be achieved.

^dRGBW has 4 channels of control (Red, Green, Blue and White), each outputting 1/4 of the maximum luminaire power output. When all channels are at 100% the luminaire maximum output will be achieved.

^eRGB & RGBW Dynamic options must be used in conjunction with a Vexica HybridDrive6 driver and PSU. Max cable length from driver to first fitting is 1m, any extensions will require additional equipment.

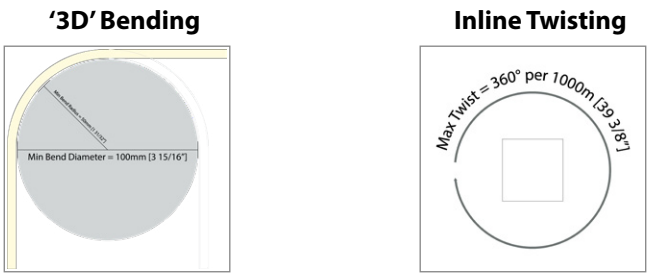
PRODUCT DIMENSIONS

Site Cut With Glued End Caps (IP67)

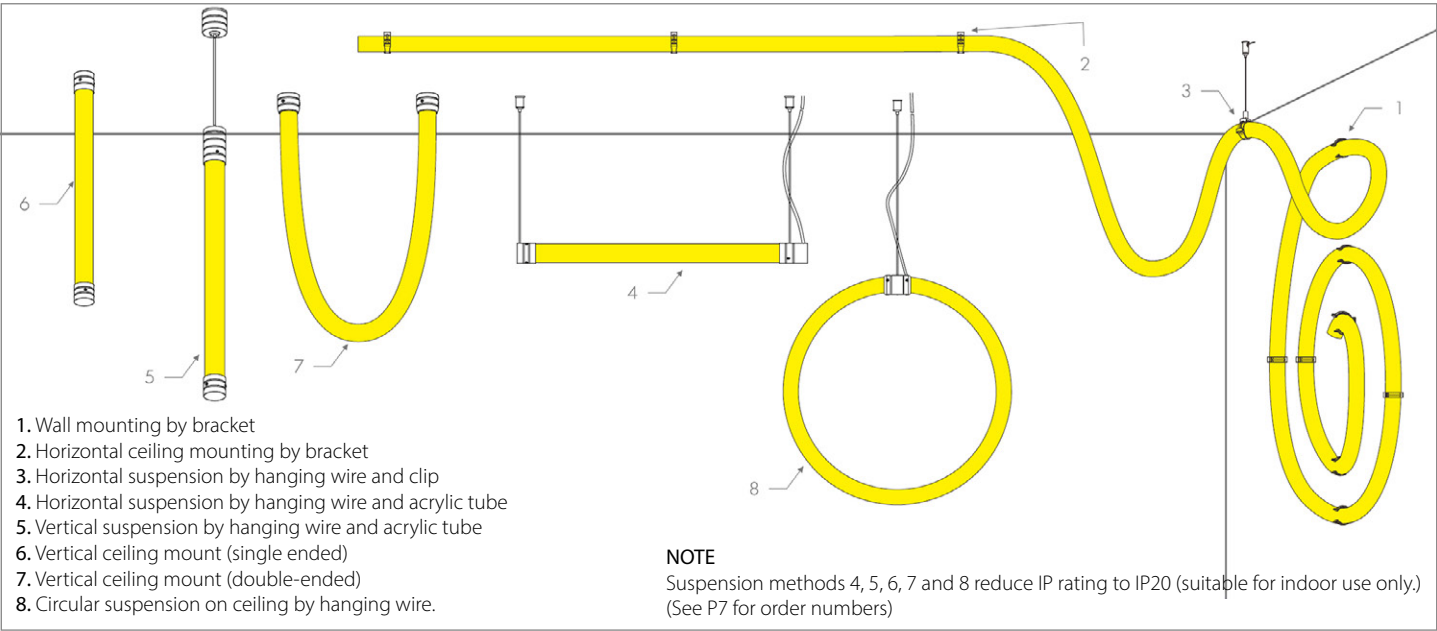
L = Total Length
La = Length of LED Strip
Lb = Length of Illuminated Surface
L1 = Minimum Cutting Unit
N = Any Integer Value



Minimum Bend Information



MOUNTING OPTIONS/EXAMPLES



FIXTURE ORDERING

Project Name

1) FIXTURE & OUTPUT TYPE

PRODUCT	CCT/LED COLOUR	
VEX-FLEXI-LINE-360		
Flexi-Line 360 is a Super Flexible, Exterior-Grade Silicone, 25mm Diameter, Tubular LED Luminaire With 3D Bending Capability	2700K 3000K 3500K 4000K 5000K 6000K TW-2500K-4500K RGB RGBW-3000K RGB-DYN RGBW-DYN-3000K	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) Tunable Colour (RGBW - 3000K) Dynamic Colour (RGB) Dynamic Colour (RGBW - 3000K)

2) LUMINAIRE LENGTH, FIXTURE POWER & IP RATING

LENGTH		POWER OPTION	IP RATING
			IP67
5000mm	5000mm (All Options)	12W	IP67 Water & Dust Proof Suitable for outdoor use
15000mm	15000mm (Static White 48V ONLY)	14W	
		18W	
			12W/m (Ultra Long, Static White Only) 14W/m (Standard, Static White Only) 18W/m (Tunable White, RGB & RGBW)

3) BEAM PATTERN, END TYPE & MODEL

BEAM PATTERN	END TYPE	MODEL
DIF	BARE-REEL	
DIF	BARE-REEL	- 48V
Diffuse Homogeneous	Open Ends, No Cables (Requires Further Endcap Accessories - See P8)	24VDC 48VDC (Static White 48V ONLY)

PRODUCT CODE:

EXAMPLE: VEX - FLEXI - LINE - 360 - 2700K - 15000mm - 12W - IP67 - DIF - BARE - REEL - 48V

INPUT CABLE & END CAP ACCESSORIES

To ensure correct operation and maintain IP rating Flexi-Line 360 must be terminated using one of the end cap kits below.

Accessories must be used following the procedures in the Flexi-Line 360 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-360-ACCESSORY	
VEX-FLEXI-LINE-360-ACCESSORY	Accessory intended for use with Flexi-Line 360 luminaires

CONNECTION TYPE

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

CABLE WAYS

		FEED TYPE	
		EF	
2-WAY	Static White (2-Way Cable)	EF	End Entry End Cap & Glue
3-WAY	Tunable White & Dynamic Options (3-Way Cable)		
4-WAY	Tunable Colour RGB (4-Way Cable)		
5-WAY	Tunable Colour RGBW (5-Way Cable)		

ACCESSORY CODE:

EXAMPLE: VEX - FLEXI - LINE - 360 - ACCESSORY - INPUT - CABLE - 300mm - 5 - WAY - EF

MOUNTING ACCESSORIES

PART NO.	DESCRIPTION	PRODUCT CODE
022973	Surface Fixing Clip [Method 1]	VEX-FLEXI-LINE-360-ACCESSORY-FIXED-CLIP
022972	Low-Profile Surface ‘Needle’ Fixing Clip	VEX-FLEXI-LINE-360-ACCESSORY-NEEDLE-CLIP
022974	Ceiling Fixing Bracket [Method 2]	VEX-FLEXI-LINE-360-ACCESSORY-FIXED-CEILING-BRACKET
022975	Ceiling Suspension Clip Kit (1200mm) [Method 3]	VEX-FLEXI-LINE-360-ACCESSORY-FIXED-CLIP-SUSPENSION-KIT
022976	Vertical Ceiling Mount (Direct, Single End) with 500mm Rigid Acrylic Tube Static White Only, IP20 [Method 6]	VEX-FLEXI-LINE-360-ACCESSORY-CEILING-VERTICAL-SINGLE-END-MOUNTING-KIT-500mm
022977	Vertical Ceiling Suspension (Single End) with 500mm Rigid Acrylic Tube Static White Only, IP20 [Method 5]	VEX-FLEXI-LINE-360-ACCESSORY-CEILING-VERTICAL-SINGLE-END-SUSPENSION-KIT-500mm
022978	Vertical Ceiling Mount (Direct, Both Ends) Static White Only, IP20 [Method 7]	VEX-FLEXI-LINE-360-ACCESSORY-CEILING-VERTICAL-DUAL-END-MOUNTING-KIT
022979	Horizontal Ceiling Suspension (1500mm, Both Ends) with 500mm Rigid Acrylic Tube Static White Only, IP20 [Method 4]	VEX-FLEXI-LINE-360-ACCESSORY-CEILING-HORIZONTAL-SUSPENSION-KIT-500mm
022980	Circular Ceiling Suspension (1500mm, Single End) Static White Only, IP20 [Method 8]	VEX-FLEXI-LINE-360-ACCESSORY-CEILING-CIRCULAR-SUSPENSION-KIT

STANDARDS & CERTIFICATIONS

Compliance

Standard Marks

UK
CA

CE

UL

LISTED

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