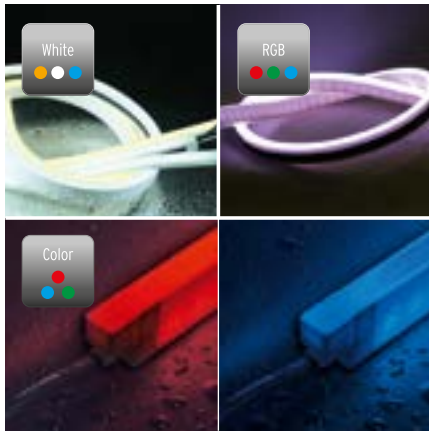


VarioLED™ Flex VENUS IQ White/RGB/Color SV IP67

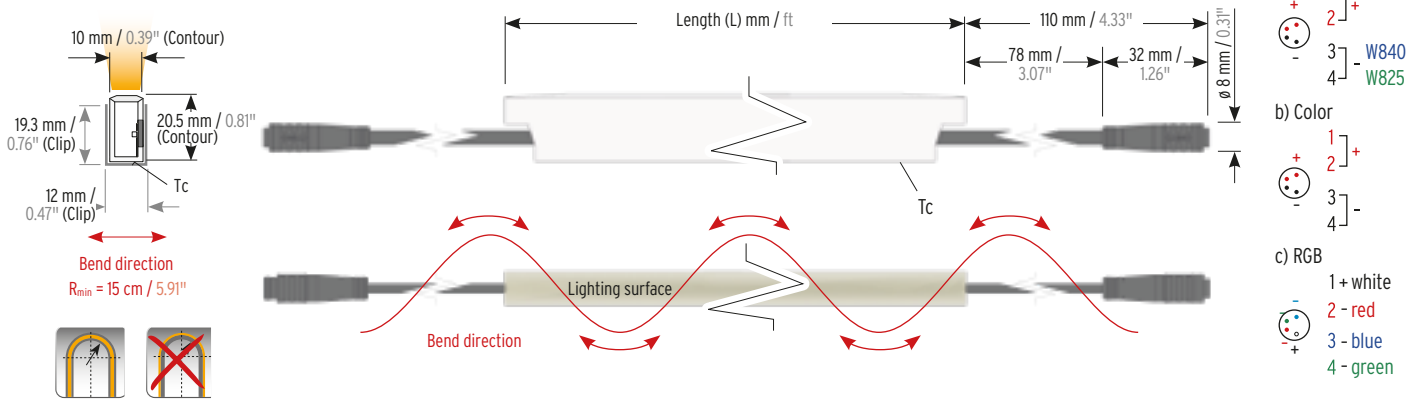


IP67 flexible dot free linear LED light line with a 10 mm x 20.5 mm / 0.39" x 0.81" (W x H) cross section. Opal polyurethane encapsulation offering a premium water proof sealing, UV resistance, chemical stability against urban gazes and protection against abrasion. Horizontal bending only, with radius of 150 mm (5.9") excellent solution for indoor/outdoor organic facade accent lighting or decorative applications requiring IP67 ingress. Freely configurable in length and delivered with a 110 mm (4.33") long cable at both end of the luminaire with IP67 male/female connectors. Light source assembled using state of the art automated Reel to Reel (R2R) production process supporting LED Linear™ Tj Away® thin flexible circuit board technology. In combination with ceramic LED packages an optimal heat dissipation (junction to installation surface) is achieved which guarantees an

outstanding lifetime of > 60,000 hrs L80/B10 for tunable white and 30,000 hrs for RGB. For tunable white, embeds high quality LEDs with 3 step MacAdams (SDCM3) binning centered on target CCT (One Bin Only) with an extended photometric code of Wxxx/339 ensuring an exceptional color consistency over the rated lifetime. Premium color rendition with a CRI of 85 and TM-30-15 up to R_t = 86 / R_s = 98 ensuring a remarkable light quality. Consistent light intensity all along the luminaire length is obtained thanks to active current regulation operated by dedicated integrated circuits (ICs) on each step. Protected against electrostatic discharge ± 2,000 V and polarity miswiring. Fully PWM dimmable for frequency > 0 Hz up to 2 kHz (flicker free for frequency higher than 1.2 kHz according to IEEE P1789 standard). Engineered and produced in Germany.

Dimensions & available lengths

Measurements VarioClip and VarioContour (W x H) 12 mm x 19.3 mm / 0.47" x 0.76"



110 mm / 4.33" IP67 plug in connector (male / female) on both ends

Tolerance +/- 5 mm / 0.2"

At maximum length only one side with IP67 plug in connector male, no female connector.

Tc-point (Case temp.) on the rear side of the module

Fixture build to length (not field cuttable):

L_{min}: 227.5 mm; L_{max}: 5,040 mm; in 62.5 mm increments
 L_{min}: 8.96"; L_{max}: 16.53"; in 2.46" increments

Electrical & output data


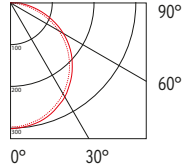







Voltage (V)	24 Volt (23 V _{min} , 25 V _{max})				
Temperature [®]	T _{Cmin} = -25°C / -13°F, T _{Cmax} = specific, see Table below				
Storage temperature	T _{Smin} = -30°C / -22°F, T _{Smax} = 85°C / 185°F				
Ambient temperature	T _{Amin} = -25°C / -13°F, T _{Amax} = specific, see Table below				

VarioLED™ Flex	Color				
	IQ White	RGB	Red	Green	Blue
Power (W/m / W/ft) [®]	12 / 3.7	10 / 3.1	7.7 / 2.4	7.7 / 2.4	7.7 / 2.4
Efficacy (lm/W) [®] @ W850	30	13	8	37	9
max. serial run length (m / ft)	5 / 16.4	5 / 16.4	5 / 17.6	5 / 16.4	5 / 16.4
CRI / R9	85 / 20	-	-	-	-
Temperature Tc-point (T _{Cmax}) [®]	70°C / 158°F	70°C / 158°F	60°C / 140°F	60°C / 140°F	60°C / 140°F
Ambient temperature (T _{Amax}) [®]	40°C / 104°F	40°C / 104°F	45°C / 113°F	45°C / 113°F	45°C / 113°F

- IQ White ONE BIN ONLY**
- UV protected
- Resistant to solvents
- Saltwater resistant
- Temporary immersion protection
- IQ White Lifetime**
L80/B10 > 60,000 h
- Color/RGB Lifetime**
L80 30,000 h
- Photometric code**
Wxxx/339
- LM 79 compliant
- LM 80 compliant

[®] The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

[®] The Tc-point should be measured in thermal equilibrium according to IEC EN 60598-1.

LED tape		Color temperature ^c	Color (λ_d) ^a	lumen/meter (lm/m) ^a lumen/feet (lm/ft) ^a	
IQ White		W822 (2500 K) - W840 (4800 K)	-	360 / 110	 <p>DIN 5040:A40 cd/1.000 lumen C0/C180 ——— C90/C270 ·····</p>
RGB Red		-	622 nm	51 / 16	
RGB Green		-	532 nm	117 / 36	
RGB Blue		-	466 nm	22 / 7	
RGB total		-	-	190 / 58	
Color Red		-	625 nm	61 / 19	
Color Green		-	529 nm	292 / 89	
Color Blue		-	472 nm	74 / 23	

^a The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

^c In case of IP67 products, tolerances in the color temperature can occur.














Order code

	Output	LED-Band	Länge (mm)	Variante	Schutzklasse
Your order code	VarioLED Flex VENUS	_____	_____	SV	IP67
Order code example	VarioLED Flex VENUS	IQ White	5040	SV	IP67



Photo: Adam Mørk

Please choose your accessories

Mounting	Art.-#	Extensions / Jumpers (optional)	Art.-#
<input checked="" type="checkbox"/> VENUS/PHOBOS/SKYLLA SV comes with included 3M adhesive tape		<input type="checkbox"/> VarioCon Extension 4 x 0.25 mm ² , 0.08 m / 2.62' IP67	15000101 
<input type="checkbox"/> VarioContour SV 2,000 mm / 6.56' channel (anodized aluminum)	10000048-01 	<input type="checkbox"/> VarioCon Extension 4 x 0.25 mm ² , 2 m / 6.56' IP67	15000102 
<input type="checkbox"/> VarioContour SV CC 2,000 mm / 6.56' (anodized aluminum) inclusive cable raceway	10000520 	<input type="checkbox"/> VarioCon Extension 4 x 0.25 mm ² , 5 m / 16.4' IP67	15000103 
<input type="checkbox"/> VarioClip SV 50 mm / 2" (clip required every 45 cm / 1.48', anodized aluminum)	13000011-01 	Recommended power supply	
<input type="checkbox"/> VarioClip SV 30 mm / 1.18" 301 (clip required every 45 cm / 1.48', stainless steel - V4A) water features	13000051-01 	<input type="checkbox"/> Power Supply Unit IP67	16000153 
Lead connector from driver		Recommended control unit	
<input type="checkbox"/> VarioCon Female RGB 4 x 0.25 mm ² , 2 m / 6.56' IP67	15000096 	<input type="checkbox"/> Control System White/IQ-White	16000268-DT6 
<input type="checkbox"/> VarioCon Female RGB 4 x 0.25 mm ² , 5 m / 16.4' IP67	15000097 	Recommended control unit	
<input checked="" type="checkbox"/> VarioCon Protect Snap	15000115 	<input type="checkbox"/> Control System RGB	16000058 