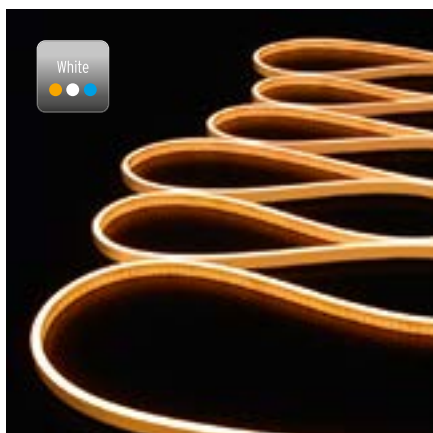


VarioLED™ Flex VENUS family White SV IP67

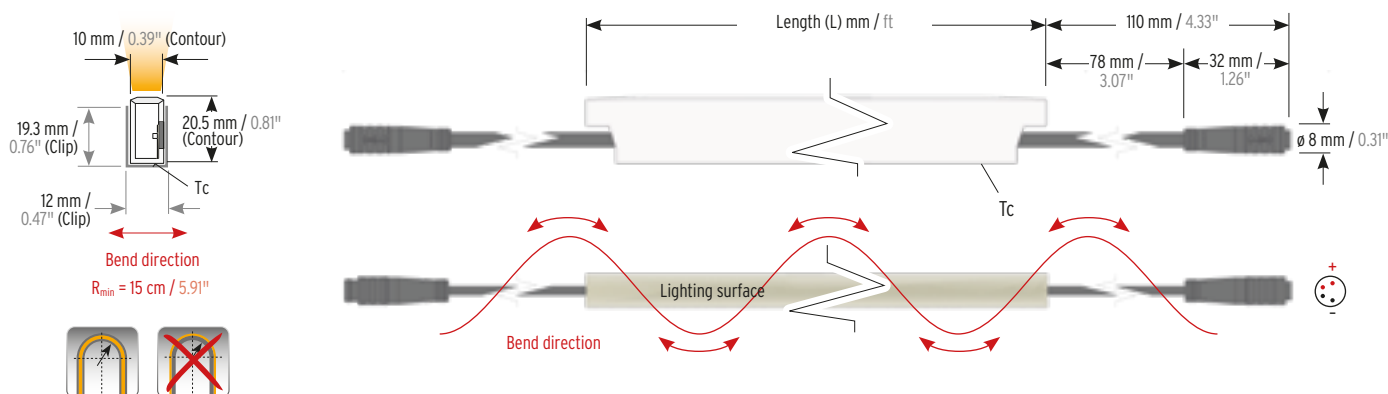


IP67 flexible dot free linear LED light line with a 10 mm x 20.5 mm / 0.39" x 0.81" (W x H) cross section. Opal polyurethane encapsulation offering a premium water proof sealing, UV resistance, chemical stability against urban gazes and protection against abrasion. Horizontal bending only, with radius 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. Embeds high quality Japanese 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 ensuring a good light quality. Consistent light intensity all along the strip length is obtained thanks to active current regulation operated by dedicated integrated circuits (ICs) on each step. Protected against electrostatic discharge $\pm 2,000$ 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"



Tolerance ± 5 mm / 0.2"

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

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 (SKYLLA: 4,040 mm); in 62.5 mm increments
 L_{min} : 8.96"; L_{max} : 16.54' (SKYLLA: 13.25'); in 2.46" increments

Electrical & output data

Voltage	24 Volt (23 V _{min} , 25 V _{max})		
Temperature ^B	T _{Cmin} = -25°C / -13°F, T _{Cmax} = 60°C / 140°F		
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		
CRI / R9	up to 95 / up to 65		

VarioLED™ Flex	VENUS	PHOBOS	SKYLLA
Power (W/m / W/ft) ^A	6 / 1.8	10 / 3.1	15 / 4.6
Efficacy (lm/W) @ W850	48	48	51
max. serial run length (m / ft)	5 / 16.4	5 / 16.4	4 / 13.1
max. Ambient temperature (T _{Amax}) ^B	40°C / 104°F	40°C / 104°F	35°C / 95°F

^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%.

^B The Tc-point should be measured in thermal equilibrium according to IEC EN 60598-1.

ONE BIN ONLY

L80/B10 > 60,000 h

Wxxx/339

LM 79

LM 80

UV protected

Resistant to solvents

Saltwater resistant

Temporary immersion protection

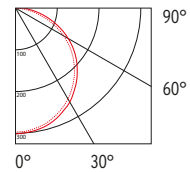
Lifetime

Photometric code

LM 79 compliant

LM 80 compliant

Color temperature LED tape used ^c	Color temperature		VENUS (low output)	PHOBOS (mid output)	SKYLLA (high output)
	delivered finished fixture		lumen/meter (lm/m) ^A lumen/feet (lm/ft) ^A		
W820	2,000 K	2,200 K	170 / 51	280 / 84	450 / 136
W822	2,200 K	2,500 K	190 / 57	320 / 97	510 / 154
W825	2,500 K	2,700 K	220 / 66	370 / 112	590 / 179
W827 W927	2,700 K	3,300 K 3,100 K	200 / 60	330 / 100	620 / 188
W830 W930	3,000 K	3,700 K 3,500 K	200 / 60	330 / 100	660 / 200
W835 W935	3,500 K	4,200 K 3,900 K	210 / 63	340 / 103	690 / 209
W840 W940	4,000 K	4,900 K 4,800 K	210 / 63	350 / 106	710 / 215
W850	5,000 K	6,800 K	290 / 87	480 / 145	770 / 234



DIN 5040:A40
cd/1,000 lumen
C0/C180 ———
C90/C270

^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	Farbwiedergabe	Farbtemperatur	Länge (mm)	Variante	Schutzklasse
Your order code	VarioLED Flex _____	W_	__	_____	SV	IP67
Order code example	VarioLED Flex VENUS	W8	27	5040	SV	IP67



Photo: Daniel Rapaich

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	Art.-#	Recommended control unit	Art.-#
<input type="checkbox"/> VarioCon Female Mono 2 x 0.34 mm ² , 2 m / 6.56' IP67	15000091 	<input type="checkbox"/> Control System White/IQ-White	16000268-DT6 
<input type="checkbox"/> VarioCon Female Mono 2 x 0.34 mm ² , 5 m / 16.4' IP67	15000092 		
<input checked="" type="checkbox"/> VarioCon Protect Snap	15000115 