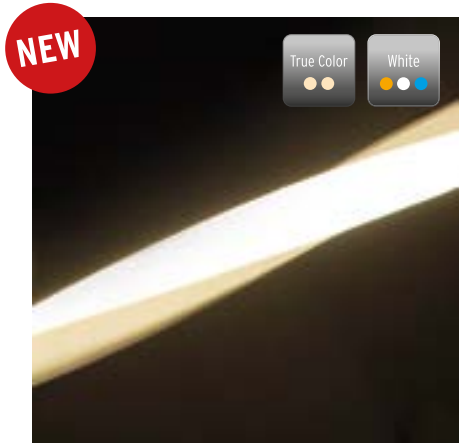


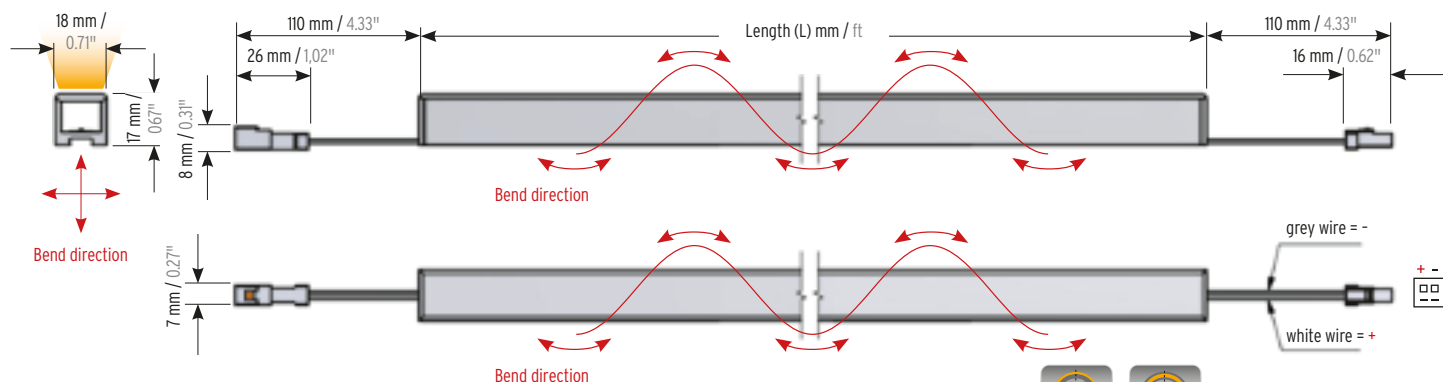
VarioLED™ Flex VENUS family True Color 3D IP67



3D bendable IP67 flexible dot free and perfectly homogeneous linear LED light line with a 18 mm x 17 mm / 0.71" x 0.67" (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. True Color technology for an optimal rendition of the LED spectrum (minimal color shift). Vertical and horizontal bending as well as twisting, with radius of 150 mm (5.9") offering the ideal solution for any indoor/outdoor organic facade geometry. Usable for accent lighting or decorative applications requiring IP67 ingress. Freely configurable in length. Backside cable feed for an optimal fixture to fixture overlap. 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®

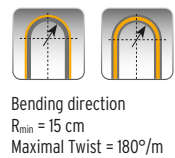
thin flexible circuit board technology. In combination with CSP LED packages an optimal heat dissipation (junction to installation surface) is achieved which guarantees an outstanding lifetime of > 60,000 hrs L80/B10. Embeds high quality CSP LEDs with 3 step MacAdams (SDCM3) binning centered on target 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 95 ensuring a excellent 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 \approx 2,000 V and polarity miswiring. Fully PWM dimmable for frequency > 0 Hz up to 2 kHz (flicker free for frequency higher then 1.2 kHz according to IEEE P1789 standard). Engineered and produced in Germany.

Dimensions & available lengths



Fixture build to length (not field cuttable):

L_{min} : 494 mm; L_{max} : 1,964 mm; in 70 mm increments
 L_{min} : 19.4"; L_{max} : 6.4"; in 2.76" increments
 Tolerance: +/- 2mm / 0.08"



Electrical & output data

Voltage	24 Volt (23 V_{min} , 25 V_{max})	
Temperature ^B	T_{Cmin} = -20°C / -4°F, T_{Cmax} = 65°C / 149°F	
Storage temperature	T_{Smin} = -30°C / -22°F, T_{Smax} = 85°C / 185°F	
Ambient temperature	T_{amin} = -20°C / -4°F, T_{amax} = specific, see Table below	
CRI / R9 @ W930	up to 95 / up to 65	
R _t / R _g @ W930	up to 95 / up to 100	

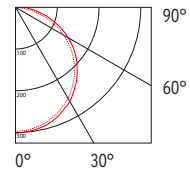
VarioLED™ Flex VENUS family True Color	VENUS TC 3D	PHOBOS TC 3D	SKYLLA TC 3D
Power (W/m / W/ft) ^A	6 / 1.8	10 / 3	15 / 4.6
Efficacy (lm/W) ^A @ W850	68	71	73
max. serial run length (m / ft)	5 / 16.4	4 / 13.1	3 / 9.2
max. Ambient temperature (T_{amax})	50°C / 122°F	50°C / 122°F	40°C / 104°F

^AThe 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%.

^BThe T_c -point should be measured in thermal equilibrium according to IEC EN 60598-1.

- ONE BIN ONLY
- UV protected
- Lifetime: L80/B10 > 60,000 h
- Resistant to solvents
- Photometric code: Wxxx/339
- Saltwater resistant
- LM 79 compliant
- Temporary immersion protection
- LM 80 compliant
- True Color: Minimal color shift

Color temperature LED tape used ^c	Color temperature delivered finished fixture	VENUS TC 3D (low output)	PHOBOS TC 3D (mid output)	SKYLLA TC 3D (high output)
		lumen/meter (lm/m) ^a lumen/feet (lm/ft) ^a		
● W822	2,200 K	290 / 90	520 / 160	770 / 240
● W927	2,700 K	320 / 100	550 / 170	810 / 250
● W930	3,000 K	330 / 100	570 / 170	830 / 250
● W935	3,500 K	340 / 100	580 / 180	850 / 260
● W940	4,000 K	340 / 100	590 / 180	860 / 260
● W850	5,000 K	410 / 120	730 / 220	1090 / 330



DIN 5040:A40
cd/1,000 lumen

C0/C180 ————
C90/C270 ●●●●●●

^aThe 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%.

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





Please click here to configure your fixture online

Order code

VarioLED™ Flex VENUS TC 3D IP67 VarioLED™ Flex PHOBOS TC 3D IP67 VarioLED™ Flex SKYLLA TC 3D IP67

	Output	Variant	Color rendering	Color temperature	Length (mm)	Ingress protection
Your order code	VarioLED Flex _____ TC	3D	W_	__	_____	IP67
Order code example	VarioLED Flex PHOBOS TC	3D	W9	27	1964	IP67

Please choose your accessories

Extensions / Jumpers (optional)	Art.-#	Recommended power supply	Art.-#
<input type="checkbox"/> VarioCon Female Mini 2 x 0.34 mm ² , 2 m / 6.56' IP67	15000142 	<input type="checkbox"/> Power Supply Unit IP67	16000153 
<input type="checkbox"/> VarioCon Extension Mini 2 x 0.34 mm ² , 0.1 m / 0.33' IP67	15000143 	Recommended control unit	Art.-#
<input type="checkbox"/> VarioCon Female Mini Protection Cap Mono IP67 ^e	15000218 	<input type="checkbox"/> Control System White/IQ-White	16000268-DT6 