

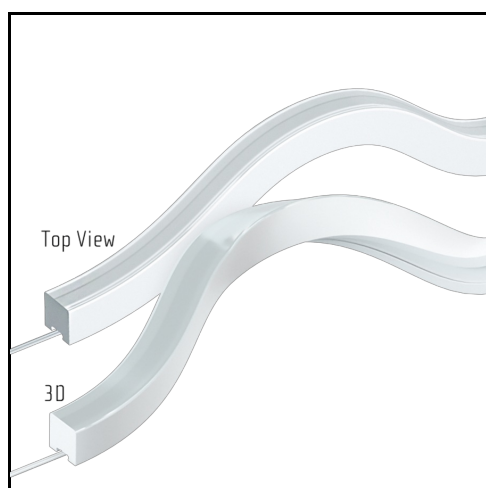
VarioLED™ Flex VENUS True Color IP67

Order code: VarioLED Flex PHOBOS True Color W827 1054 3D IP67

Area: **Outdoor Luminaires**

Category: **Flexible light lines**

Mounting: **Surface-mounted, Clips and profile without mounting channel / Surface-mounted, Clips and profile with mounting channel / Surface-mounted, vertical / horizontal / Recessed / Pendant**



Second generation of VENUS available in 2 variants enables an optimum rendition of the LED spectrum (minimal color shift).

- Available in 2D (Top View) and 3D bending directions allowing to follow almost any shape and conceive creative designs.
- VENUS True Color TopView (TV) and 3D have the same cross section and comparable lumen output. It simplifies the specification process while enabling a consistent light line in intensity and size regardless of the geometry of the installation.
- VENUS True Color features an improved fixture to fixture overlap without light gap. Thus, it is the ideal solution for endless homogeneous curved light lines.

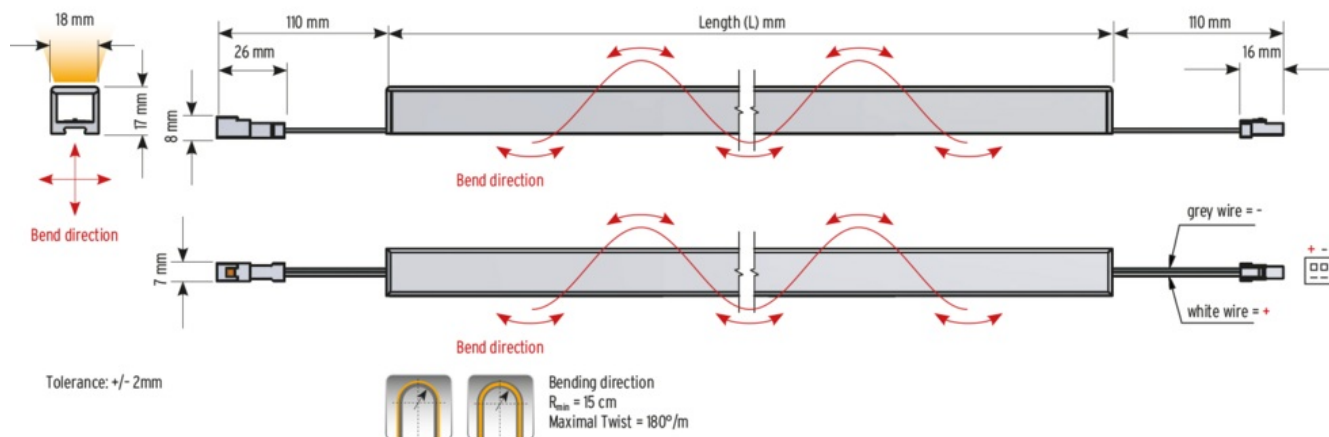
Detailed specification text in download section.

VarioLED™ Flex VENUS True Color IP67

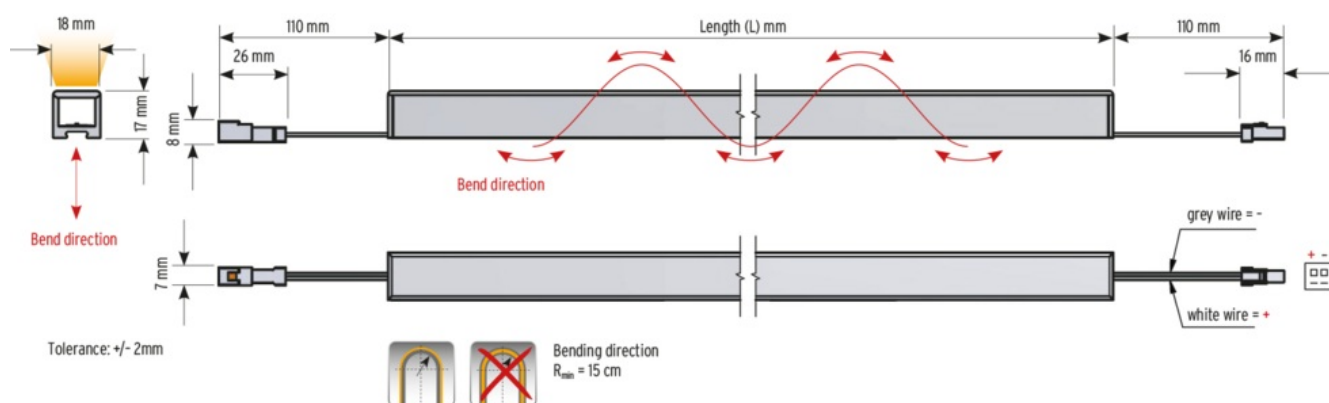
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DIMENSIONS & AVAILABLE LENGTHS

VarioLED™ Flex VENUS True Color 3D IP67



VarioLED™ Flex VENUS True Color TV IP67



Fixture build to length (not field cuttable): $L = (N \times 70 \text{ mm}) + 4 \text{ mm}$; $N = 5 \dots 56$; $L_{min} = 354 \text{ mm}$; $L_{max} = 3,924 \text{ mm}$

VarioLED™ Flex VENUS True Color IP67

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TECHNICAL SPECIFICATIONS

Certifications



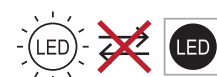
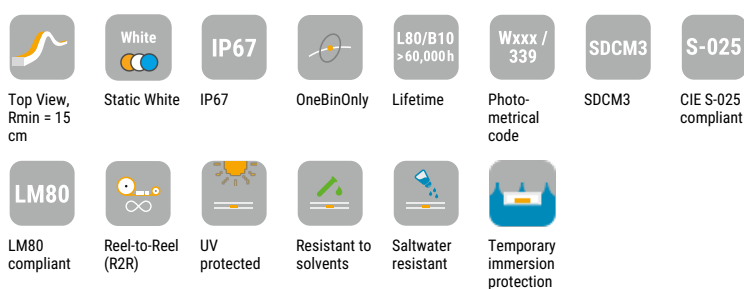
Family Key Features



Awards



Technical Data/Performance



Compliant with EU ECODSIGN guidelines

VarioLED™ Flex VENUS True Color IP67

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ELECTRICAL & OUTPUT DATA

Voltage	24 Volt (23 V _{min} , 25 V _{max})
Housing temperature (Tc _{min} & Tc _{max})	Tc _{min} = -25°C, Tc _{max} = specific, see Table below
Storage Temperature (Ts _{min} & Ts _{max})	Ts _{min} = -30°C, Ts _{max} = 85°C
Ambient temperature (Ta _{min} & Ta _{max})	Ta _{min} = -25°C, Ta _{max} = specific, see Table below

VarioLED™ Flex	VENUS TC White 3D	PHOBOS TC White 3D	SKYLLA TC White 3D
Power (W/m) ^A	6	10	15
max. efficacy (lm/W) ^A	67	73	73
max. length (m)	1.96	1.96	1.96
max. serial run length (m)	5.0	3.0	2.0
CRI / R9 (up to)	95 / 86	95 / 86	95 / 86
Temperature Tc-point (Tcmax) ^B	65°C	65°C	65°C
max. ambient temp. (Tamax)	50°C	50°C	40°C

		low output		high output	
VarioLED™ Flex		VENUS TC White 3D	PHOBOS TC White 3D	SKYLLA TC White 3D	
Color code / Color temperature ^C		Luminaire lumens/meter* (lm/m) ^A			
● W821	2,100	310	540	875	
● W925	2,500 K	310	530	870	
● W927	2,700 K	325	545	890	
● W930	3,000 K	335	565	905	
● W934	3,400 K	340	590	925	
● W842	4,200	400	730	1100	

! To configure the specific luminaire please use the online configurator.

Please note: The orange values are CRI 90 specifications.

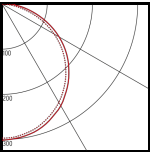
^AThe given data are typical values. Due to tolerances of the production process and the electrical components, photometric values and electrical power can vary up to 10%

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

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

AVAILABLE OPTICS (FAMILY)

Polyurethane
encapsulation



VarioLED™ Flex VENUS True Color IP67

Order code: VarioLED Flex PHOBOS True Color W827 1054 3D IP67

ORDER CODE

Example:

VarioLED Flex VENUS True Color **W821** TV IP67

TYPICAL APPLICATIONS

CONFIGURE NOW!

Options for the order code:

Your selections ☒ :

Bend direction

Top View ☒
3D ☒

Luminous flux

VENUS ☒ VENUS
PHOBOS ☒ PHOBOS
SKYLLA ☒ SKYLLA

Color temperature

2,100 K ☒ W821
2,500 K ☒ W925
2,700 K ☒ W927
3,000 K ☒ W930
3,400 K ☒ W934
4,200 K ☒ W842

Length

L_{min}: 354 mm ☒ 0354
L_{max}: 3,924 mm ☒ 3924

Fixture build to length (not field cuttable): $L = (N \times 70 \text{ mm}) + 4 \text{ mm}$; $N = 5$
... 56; L_{min} = 354 mm; L_{max} = 3,924 mm

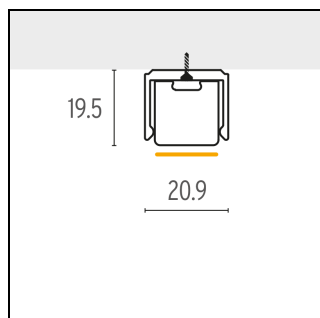


VarioLED™ Flex VENUS True Color IP67

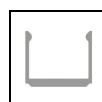
Order code: VarioLED Flex PHOBOS True Color W827 1054 3D IP67

MOUNTING

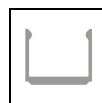
1. Surface-mounted, Clips and profile without mounting channel



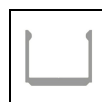
Mounting accessories



VTC Surface Mounting Clip Low
(L x H x W) 30 mm x 17.5 mm x 20.9 mm
Art.-#: 13000277



VTC Surface Mounting Channel Low
(L x H x W) 2000 mm x 17.5 mm x 20.9 mm
Art.-#: 10000552



VTC Surface Mounting Channel Low
(L x H x W) 4000 mm x 17.5 mm x 20.9 mm
Art.-#: 10000552-4m

Description

Robust aluminum extrusion painted in white also available as profile for surface mount.

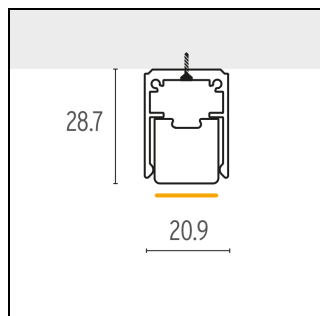
Robust aluminum extrusion painted in white also available as clips for surface mount.

Robust aluminum extrusion painted in white also available as profile for surface mount.

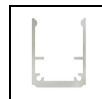
Example of application



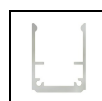
2. Surface-mounted, Clips and profile with mounting channel



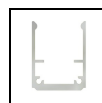
Mounting accessories



VTC Surface Mounting Clip High
(L x H x W) 30 mm x 26.7 mm x 20.9 mm
Art.-#: 13000278



VTC Surface Mounting Channel High
(L x H x W) 2000 mm x 26.7 mm x 20.9 mm
Art.-#: 10000553



VTC Surface Mounting Channel High
(L x H x W) 4000 mm x 26.7 mm x 20.9 mm
Art.-#: 10000553-4m

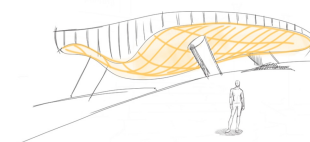
Description

Robust aluminum extrusion painted in white also available as profile for surface mount.

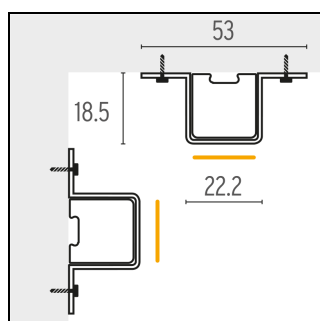
Robust aluminum extrusion painted in white also available as clips for surface mount.

Robust aluminum extrusion painted in white also available as profile for surface mount.

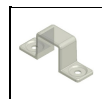
Example of application



3. Surface-mounted, vertical / horizontal



Mounting accessories

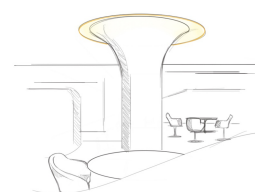


VTC Surface Holding Clamp Clear
(L x H x W) 15 mm x 20.5 mm x 53 mm
Art.-#: 13000279

Description

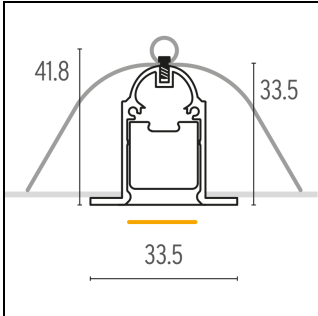
PVC casting clamp for surface mount

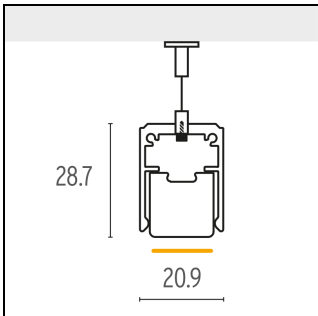
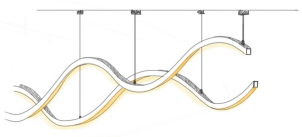
Example of application



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4. Recessed	Mounting accessories	Description	Example of application
	 VTC Recessed Profile (2 m Set) (L x H x W) 2000 mm x 46 mm x 36.3 mm Art.-#: 10000559	Profile with mounting springs can be installed directly into false ceiling.	
	 VTC Recessed Profile (4 m Set) (L x H x W) 4000 mm x 46 mm x 36.3 mm Art.-#: 10000559-4m	Profile with mounting springs can be installed directly into false ceiling.	
	 VTC EndCap Recessed (Set of 2) (L x H x W) 22 mm x 34.5 mm x 36.3 mm Art.-#: 11000214	Set of two endcaps for recessed VENUS TC light lines.	

5. Pendant	Mounting accessories	Description	Example of application
	 VTC Pendant Set - 2m for Flexible Pendant Profile (2 m Wire) Art.-#: 13000273	2 m pendant set for VENUS TC. Required accessories VTC flexible pendant channel #10000554	
	 VTC Flexible Pendant Channel (L x H x W) 2000 mm x 26.7 mm x 20.9 mm Art.-#: 10000554	Flexible pendant channel for decorative pendant light solutions. Required suspensions 13000273 (2m)/ 13000274 (5m)	
	 VTC Pendant Set - 5m for Flexible Pendant Profile (5 m Wire) Art.-#: 13000274	5 m pendant set for VENUS TC. Required accessories VTC flexible pendant channel #10000554.	
	 VarioCANOPY Square Mounting set (optional) for pendant ceiling installations on concrete ceilings Art.-#: 16000347	Pendant set with screws for installations directly on the ceiling. Recommended to use every 1 m.	

If the luminaire shall be installed without our mounting accessories, please get in touch with us to check the compatibility of the mounting.

VarioLED™ Flex VENUS True Color IP67

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POWER SUPPLY UNIT (PSU) & CONTROLS

Recommended PSU

VarioPSU 24V/100W IP67, ON/OFF, Silver
Art.-#: 16000064



Dimensions (L x H x W) : **220 mm x 38.8 mm x 68 mm**
Electrical Class: **SK I**
LED Drive: **CV**
Voltage (V): **24 V**
Rated Power (W): **100**
Input Voltage (Vac): **90 – 305**
Region: **WR**
Certificates: **ENEC, UL**
Schutzart: **IP67**
Indoor/Outdoor: **Outdoor**

Recommended Control

IN.finite™ CASAMBI 2Ch CV
Art.-#: 16000267-EVO



Dimensions (L x H x W) : **188 mm x 21 mm x 30 mm**
Channels: **2**
Dimming Options: **Casambi BLE**
Dimming: **PWM (f ~ 1600Hz)**
Dimming Curve: **Lin/Log/free conf.**
Dimming Range: **100% - 0%**
Voltage (V): **12 – 50 V**
Certificates: **CE**
Schutzart: **IP20**
Indoor/Outdoor: **Indoor**

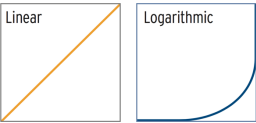
Recommended PSU

VarioPSU 24V/90W IP67, 0-10V, Black
Art.-#: 16000154



Dimensions (L x H x W) : **171 mm x 37.5 mm x 63 mm**
Electrical Class: **SK II**
LED Drive: **CV**
Voltage (V): **24 V**
Rated Power (W): **90 W**
Input Voltage (Vac): **90 – 305**
Region: **WR**
Certificates: **ENEC, UL**
Schutzart: **IP67**
Indoor/Outdoor: **Outdoor**

Dimming



Recommended PSU

VarioPSU 24V/90W IP67, DALI, Black
Art.-#: 16000348



Dimensions (L x H x W) : **171 mm x 63 mm x 37.5 mm**
Electrical Class: **SK II**
LED Drive: **CV**
Voltage (V): **24 V**
Rated Power (W): **90**
Input Voltage (Vac): **90 – 305**
Region: **WR**
Certificates: **ENEC, UL**
Schutzart: **IP67**
Indoor/Outdoor: **Outdoor**

VarioLED™ Flex VENUS True Color IP67

Order code: VarioLED Flex PHOBOS True Color W827 1054 3D IP67

VOLTAGE DROP INFORMATION FOR THE FEED-IN LINE (PSU / CONTROL TO FIXTURE)

0.34 mm² / AWG 22

VarioLED™ Flex VENUS True Color IP67	VENUS TC White TV	PHOBOS TC White TV	SKYLLA TC White TV
Product run Length	max. cable length between PSU / Control unit and the luminaire		
1 m	32.3 m	19.4 m	12.9 m
2 m	16.1 m	9.7 m	6.4 m
3 m	10.7 m	6.4 m	4.3 m

1.5 mm² / AWG 15

VarioLED™ Flex VENUS True Color IP67	VENUS TC White TV	PHOBOS TC White TV	SKYLLA TC White TV
Product run Length	max. cable length between PSU / Control unit and the luminaire		
1 m	142.8 m	85.6 m	57.1 m
2 m	71.4 m	42.8 m	28.5 m
3 m	47.6 m	28.5 m	19 m

Calculation refers to the cable configuration on site.
The information listed in the table is only refers to the conductor-based voltage drop of max. 0.85V at 24V DC input voltage.

Regarding the electromagnetic compatibility (EMC) the maximum cable length is defined by the power supply manufacturer.
A cable length between power supply and planned product longer than indicated by the datasheet of the power supply is possible. However the electromagnetic compatibility can then be influenced by the conditions of the installation site. There is no data on electromagnetic compatibility for longer cable lengths, which might lead to the necessity of an evaluation of the electromagnetic compatibility by a third party.
Datasheets and mounting instructions of the components in combination with the planned product must be carefully read and followed.

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efFile: /fileadmin/user_upload/0-product-db/emergency-graphics/varioled-flex-venus-true-color-3d-ip67-ef-en.png