

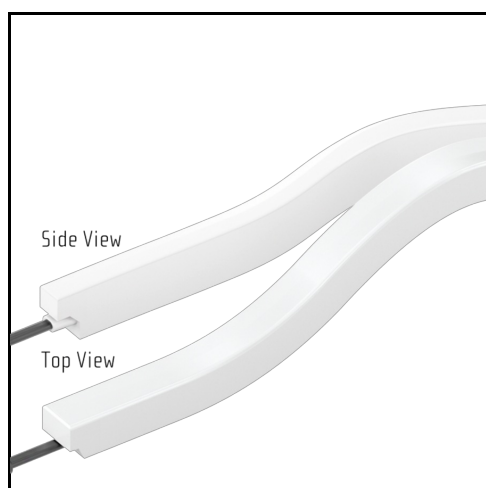
VarioLED™ Flex VENUS family IP67

Order code: VarioLED Flex SKYLLA W825 1040 SV 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, SST Clips / Surface-mounted, Clips**



Light lines bendable in one direction (top view or side view) with a perfectly homogeneous and dot-free light surface for outdoor architectural lighting.

- VENUS is a polyurethane encapsulated luminaire. Resistance and chemical stability against urban gases.
- With an efficiency up to 95 lm/W, VENUS stands out as one of the most efficient light line available to date.
- The various lumen output and a large panel of available CCTs turns VENUS into a modular lighting design toolkit.

Detailed specification text in download section.

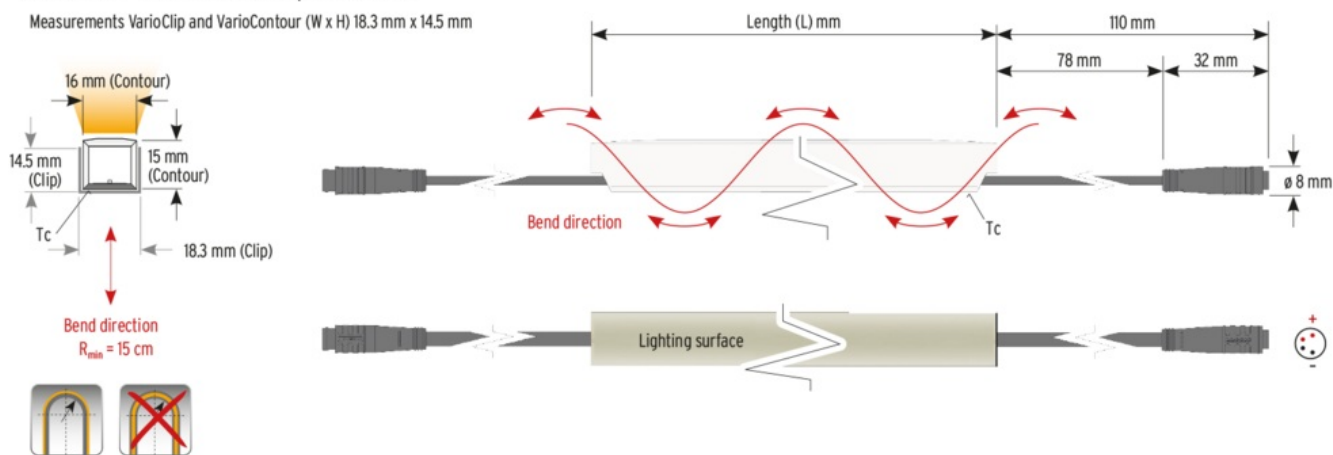
VarioLED™ Flex VENUS family IP67

Order code: VarioLED Flex SKYLLA W825 1040 SV IP67

DIMENSIONS & AVAILABLE LENGTHS

VarioLED™ Flex VENUS Top View IP67

Measurements VarioClip and VarioContour (W x H) 18.3 mm x 14.5 mm



Tolerance +/- 5 mm

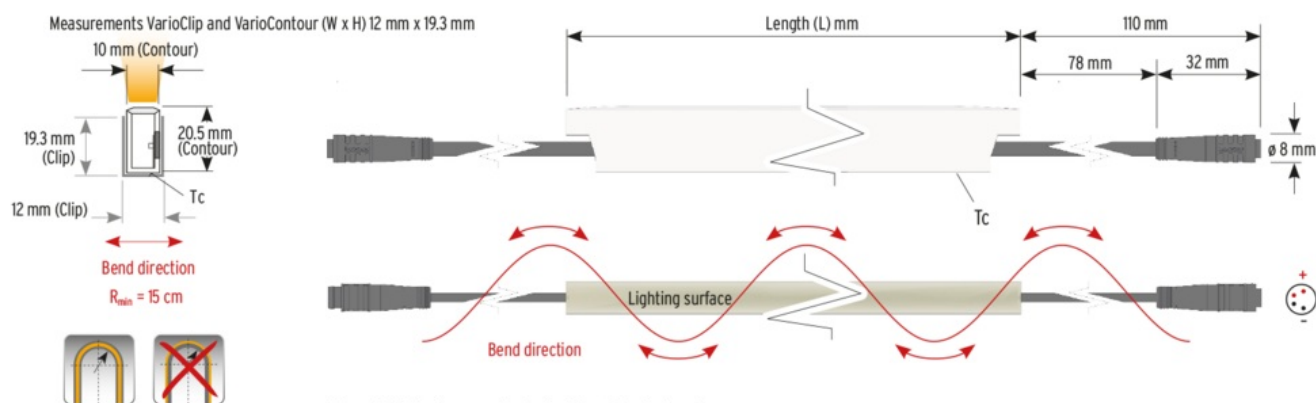
110 mm IP67 plug in connector (male / female) on both ends

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

VarioLED™ Flex VENUS Side View IP67

Measurements VarioClip and VarioContour (W x H) 12 mm x 19.3 mm



Tolerance +/- 5 mm

110 mm 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

Cable configuration



1 Green - Warm white
2 White +
3 Blue - Cold white
4 Red +



1 + white
2 - red
3 - blue
4 - green

Fixture build to length (not field cuttable): $L = (N \times 62.5 \text{ mm}) + 26 \text{ mm}$; $N = 3 \dots 80$; $L_{\min} = 213.5 \text{ mm}$; $N_{\max} = 80$; $L_{\max} = 5,026 \text{ mm}$

VarioLED™ Flex VENUS family IP67

Order code: VarioLED Flex SKYLLA W825 1040 SV IP67

TECHNICAL SPECIFICATIONS

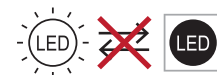
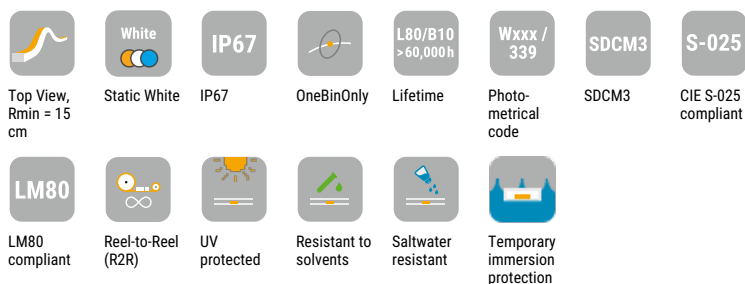
Certifications



Awards



Technical Data/Performance



Compliant with EU ECODESIGN guidelines

VarioLED™ Flex VENUS family IP67

Order code: VarioLED Flex SKYLLA W825 1040 SV IP67

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 White SV	PHOBOS White SV	SKYLLA White SV
Power (W/m) ^A	6	10	15
max. efficacy (lm/W) ^A	42	42	48
max. length (m)	5.03	5.03	4.03
max. serial run length (m)	5.0	5.0	4.0
CRI / R9 (up to)	96 / 81	96 / 81	86 / 36
Temperature Tc-point (Tc _{max}) ^B	60°C	60°C	60°C
max. ambient temp. (T _{max})	40°C	40°C	35°C

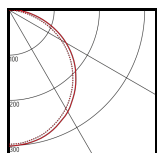
		low output		high output	
VarioLED™ Flex		VENUS White SV	PHOBOS White SV	SKYLLA White SV	
Color code / Color temperature ^C		Luminaire lumens/meter* (lm/m) ^A			
● W820	2,200 K	155	270	465	
● W822	2,500 K	175	295	510	
● W825	2,800 K	180	335	545	
● W827	W927 3,100 K	180	300	660	3,000 K
● W830	W930 3,600 K	180	305	670	3,500 K
● W835	W935 4,100 K	190	315	690	4,000 K
● W840	W940 4,800 K	190	325	705	4,900 K
● W850	6,700 K	250	415	720	

! 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 family IP67

Order code: VarioLED Flex SKYLLA W825 1040 SV IP67

ORDER CODE

Example:

VarioLED Flex VENUS **W820** TV IP67

TYPICAL APPLICATIONS

CONFIGURE NOW!

Options for the order code:

Your selections ☒ :

Luminous flux

VENUS — ☒ VENUS
PHOBOS — ☒ PHOBOS
SKYLLA — ☒ SKYLLA

Color temperature

2,000 K — ☒ W820
2,200 K — ☒ W822
2,500 K — ☒ W825
2,700 K — ☒ W927 / **W927**
3,000 K — ☒ W930 / **W930**
3,500 K — ☒ W935 / **W935**
4,000 K — ☒ W940 / **W940**
5,000 K — ☒ W850

Length

L_{min}: 214 mm — ☒ 0214
L_{max}: 5,026 mm — ☒ 5026

Fixture build to length (not field cuttable): L = (N x 62.5 mm) + 26 mm; N = 3 ... 80; L_{min} = 213.5 mm; N_{max} = 80; L_{max} = 5,026 mm

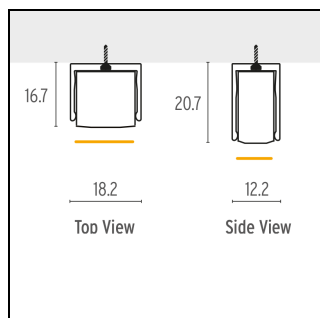


VarioLED™ Flex VENUS family IP67

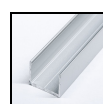
Order code: VarioLED Flex SKYLLA W825 1040 SV IP67

MOUNTING

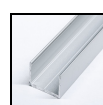
1. Surface-mounted, Clips and profile without mounting channel



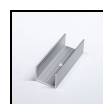
Mounting accessories



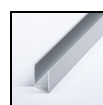
Vario Contour TV Channel
2,000 mm aluminum profile (only for Top View light lines)
Art.-#: 10000049-01



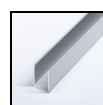
Vario Contour TV Channel
4,000 mm aluminum profile (only for Top View light lines)
Art.-#: 10000049-01-4m



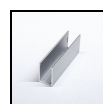
VarioClips VENUS TV 50 mm
Mounting-Clip for Venus TV (only for Top View light lines)
Art.-#: 13000010-01



VarioContour SV Channel
2,000 mm aluminum profile (only for Side View light lines)
Art.-#: 10000048-01



VarioContour SV Channel
4,000 mm aluminum profile (only for Side View light lines)
Art.-#: 10000048-01-4m



VarioClip VENUS SV 50mm
Mounting-Clip for Venus SV (only for Side View light lines)
Art.-#: 13000011-01

Description

Continuous anodized aluminum surface mounting profile designed to fit Venus TV product.
! Please carefully review the pages 10 and 11 of the mounting instructions.

Continuous anodized aluminum surface mounting profile designed to fit Venus TV product.
! Please carefully review the pages 10 and 11 of the mounting instructions.

Aluminum surface mounting bracket. Recommended for overhead mounting 5 brackets per meter (3 brackets for other mountings).

Continuous anodized aluminum surface mounting profile designed to fit VENUS SV product.
! Please carefully review the pages 10 and 11 of the mounting instructions.

Continuous anodized aluminum surface mounting profile designed to fit Venus SV product.
! Please carefully review the pages 10 and 11 of the mounting instructions.

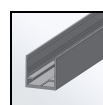
Aluminum surface mounting bracket. Recommended for overhead mounting 5 brackets per meter (3 brackets for other mountings).

Example of application

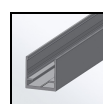


2. Surface-mounted, Clips and profile with mounting channel

Mounting accessories



VarioContour VENUS TV CC
2,000 mm aluminum profile with cable runway (only for Top View light lines)
Art.-#: 10000339



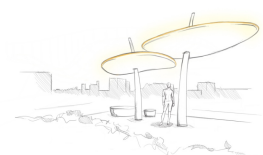
VarioContour VENUS TV CC
4,000 mm aluminum profile with cable runway (only for Top View light lines)
Art.-#: 10000339-4m

Description

Continuous aluminum surface mounting profile. Cable runway allows the cables to run underneath the fixture.
! Please carefully review the pages 10 and 11 of the mounting instructions.

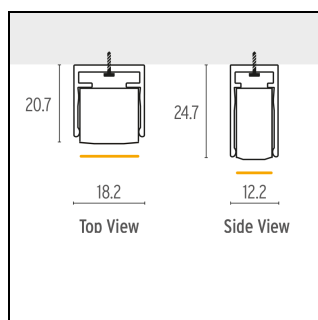
Continuous aluminum surface mounting profile. Cable Runway allows the cables to run underneath the fixture.
! Please carefully review the pages 10 and 11 of the mounting instructions.

Example of application



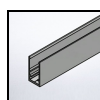
VarioLED™ Flex VENUS family IP67

Order code: VarioLED Flex SKYLLA W825 1040 SV IP67



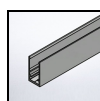
profile with cable
runway (only for Top
View light lines)
Art.-#: 10000339-4m

the fixture.
! Please carefully review the pages
10 and 11 of the mounting
instructions.



**VarioContour VENUS
SV CC**
2,000 mm aluminum
profile with cable
runway (only for Side
View light lines)
Art.-#: 10000520

Continuous aluminum surface
mounting profile. Cable Runway
allows the cables to run underneath
the fixture.
! Please carefully review the pages
10 and 11 of the mounting
instructions.



**VarioContour VENUS
SV CC**
4,000 mm aluminum
profile with cable
runway (only for Side
View light lines)
Art.-#: 10000520-4m

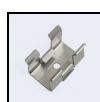
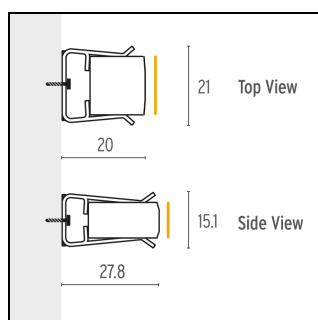
Continuous aluminum surface
mounting profile. Cable Runway
allows the cables to run underneath
the fixture.
! Please carefully review the pages
10 and 11 of the mounting
instructions.

3. Surface-mounted, SST Clips

Mounting accessories

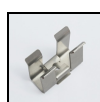
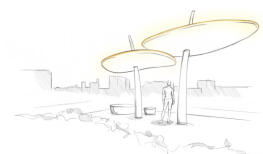
Description

Example of application



**VarioClip TV 30mm
316L**
Mounting Clamp
Art.-#: 13000050-01

Special grade stainless steel
surface mounting clip for harsh
environments. Recommended to use
for overhead mounting 5 brackets
per meter (3 brackets for other
mountings).



**VarioClip SV 30mm
316L**
Mounting Clamp for
VarioLED™ Flex
VENUS / PHOBOS /
SKYLLA Side View
Art.-#: 13000051-01

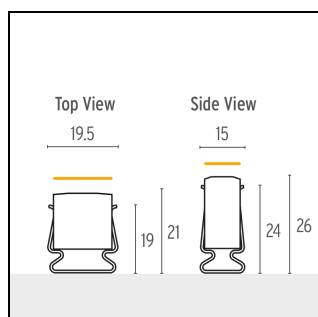
Special grade stainless steel
surface mounting clip for harsh
environments. Recommended to use
for overhead mounting 5 brackets
per meter (3 brackets for other
mountings).

4. Surface-mounted, Clips

Mounting accessories

Description

Example of application



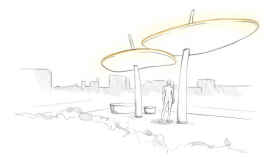
**VarioClip TV 30mm
(301/1.4310/V2a)**
Mounting clip for
VarioLED™ Flex
VENUS Top View
Art.-#: 13000033-01

Stainless steel clips for surface
mount application.



**VarioClip SV 30mm
(301/1.4310/V2a)**
Mounting clip for
VarioLED™ Flex
VENUS Side View
Art.-#: 13000038

Stainless steel clips for surface
mount application.



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

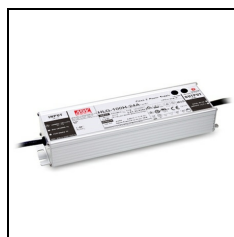
VarioLED™ Flex VENUS family IP67

Order code: VarioLED Flex SKYLLA W825 1040 SV IP67

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**

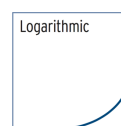
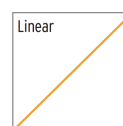
Recommended PSU

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 family IP67

Order code: VarioLED Flex SKYLLA W825 1040 SV IP67

CABLING ACCESSORIES

**VarioCon Female Mono 2 x 0,34 mm² 0,115 m IP67**Art.-#: **15000071**Required quantity: **12345****VarioCon Female Mono 2 x 0,34 mm² 1 m IP67**Art.-#: **15000090**

Required quantity:

**VarioCon Female Mono 2 x 0,34 mm² 2 m IP67**Art.-#: **15000091**

Required quantity:

**VarioCon Female Mono 2 x 0,34 mm² 5 m IP67**Art.-#: **15000092**

Required quantity:

**VarioCon Female Mono 90° 2 x 0,34 mm² 2 m IP67**Art.-#: **15000089**

Required quantity:

**VarioCon Extension 4 x 0,25 mm² 5 m IP67**Art.-#: **15000103**

Required quantity:

**VarioCon Protection Plug 8mm snap, black**Art.-#: **15000115**

Required quantity:

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

0.34 mm² / AWG 22

**VarioLED™ Flex VENUS White Top
View IP67****VENUS White TV****PHOBOS White TV****SKYLLA 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
4 m	8 m	4.8 m	3.2 m
5 m	6.4 m	3.8 m	-

1.5 mm² / AWG 15

**VarioLED™ Flex VENUS White Top
View IP67****VENUS White TV****PHOBOS White TV****SKYLLA 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
4 m	35.7 m	21.4 m	14.2 m
5 m	28.5 m	17.1 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.

VarioLED™ Flex VENUS family IP67

Order code: VarioLED Flex SKYLLA W825 1040 SV IP67

Datasheets and mounting instructions of the components in combination with the planned product must be carefully read and followed.

luFile: /fileadmin/user_upload/0-product-db/emergency-graphics/varioled-flex-venus-sv-ip67-lu-en.png

efFile: /fileadmin/user_upload/0-product-db/emergency-graphics/varioled-flex-venus-sv-ip67-ef-en.png