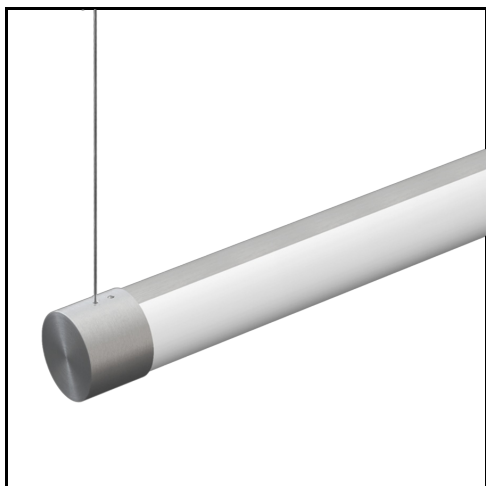# XOOTUBE™ SW PRO Pendant

|	
Area:	**Design Luminaires**
Category:	**Design Luminaires**
Mounting:	**Horizontal Pendant / Vertical Pendant / Wall-mounted**

XOOTUBE™ is a round linear luminaire which suits perfectly for both functional, as well as decorative pendant applications asking for a wide spread of light. With lumen outputs ranging from 795 lm/m up to over 1,550 lm/m, the fixture can be used for multiple purposes. This perfect eye catcher is possible to be mounted both as a horizontal or vertical pendant, or alternatively on any surface, be it on walls in any orientation or ceilings.

- XOOTUBE™ outputs absolutely homogeneous light in all directions. Different lumen packages allow both decorative as well as general lighting.

- The round design reminiscing of fluorescent tubes offers a tool for decorative installations seemingly floating in the air.

- The surface mounted version can be installed on ceilings and walls in any orientation. Thanks to its shape it also casts light on the surface it is installed on.

Detailed specification text in download section.

DIMENSIONS & AVAILABLE LENGTHS
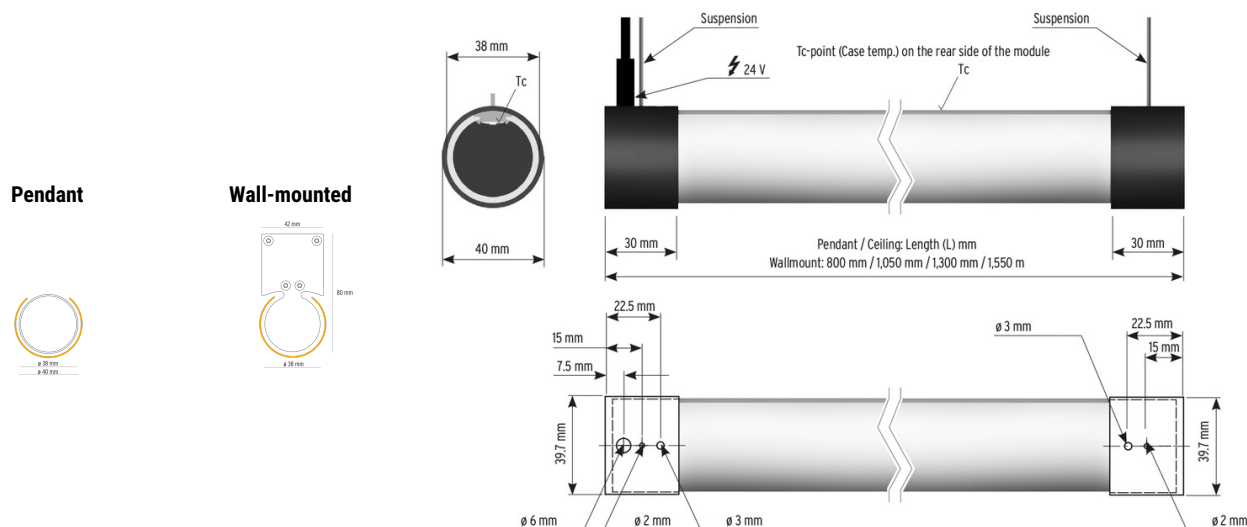
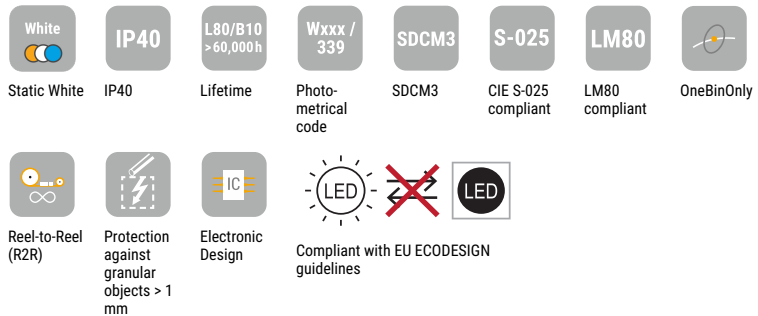4 Standard lengths (L): 800 mm / 1,050 mm / 1,300 mm / 1,550 mm

LED LINEAR™

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TECHNICAL SPECIFICATIONS

Certifications

Awards

Technical Data/Performance

| White — Static White | IP40 — IP40 | L80/B10 >60,000h — Lifetime | Wxxx / 339 — Photo-metrical code | SDCM3 — SDCM3 | S-025 — CIE S-025 compliant | LM80 — LM80 compliant | OneBinOnly |

| Reel-to-Reel (R2R) | Protection against granular objects > 1 mm | Electronic Design | Compliant with EU ECODESIGN guidelines |

ELECTRICAL & OUTPUT DATA

Voltage	24 Volt (23 V_{min}, 25 V_{max})
Case 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

XOOTUBE™ SW PRO Pendant	PRO SW 13	PRO SW 18	PRO SW 24
Power (W/m)[B]	13	18	24
Efficacy (lm/W)[B]	85	89	88
max. length (m)	1.55	1.55	1.55
CRI / R9 (up to)	94 / 74	94 / 74	94 / 74
Temperature Tc-point (Tc_{max})[C]	70°C	70°C	75°C
max. ambient temp. (Ta_{max})	40°C	40°C	35°C

low output ———————————————————————————————— high output

XOOTUBE™ SW PRO Pendant		PRO SW 13	PRO SW 18	PRO SW 24
Color temperature		luminaire lumens/meter (lm/m)[A]		
W927	2,700K	1050	1500	1870
W930	3,000K	1080	1540	1990
W935	3,500K	1100	1600	2010
W940	4,000K	1110	1610	2110

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

Please note: The orange values are CRI 90 specifications.

[A]Without cover the IP protection level is reduced from IP40 to IP10.
[B]The 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%
[C]The Tc-point should be measured in thermal equilibrium according to IEC EN 60598-1.
! **Note:** −40% luminous flux at opal and −25% with diffuse cover.

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ORDER CODE

Example:

XOOTUBE HYDRA PRO SW 13W927 0800 S P

CONFIGURE NOW!

Options for the order code:	Your selections ▣ :
Mounting option	
Pendant / Ceiling ⟶ ▣ P	
Wall-mounted ⟶ ▣ W	
LED tape	
PRO SW 13 (12 W/m) ⟶ ▣ PRO SW 13	
PRO SW 18 (18 W/m) ⟶ ▣ PRO SW 18	
PRO SW 24 (23 W/m) ⟶ ▣ PRO SW 24	
Color temperature	
2,700 K ⟶ ▣ W927	
3,000 K ⟶ ▣ W930	
3,500 K ⟶ ▣ W935	
4,000 K ⟶ ▣ W940	
Please note: The orange values are CRI 90 specifications.	
Lengths	
800 mm ⟶ ▣ 0800	
1050 mm ⟶ ▣ 1050	
1300 mm ⟶ ▣ 1300	
1550 mm ⟶ ▣ 1550	
Lighting head	
Silver ⟶ ▣ S	
Black ⟶ ▣ B	
White ⟶ ▣ W	
Mounting type	
Horizontal pendant ⟶ ▣ P	
Vertical pendant ⟶ ▣ V	

TYPICAL APPLICATIONS
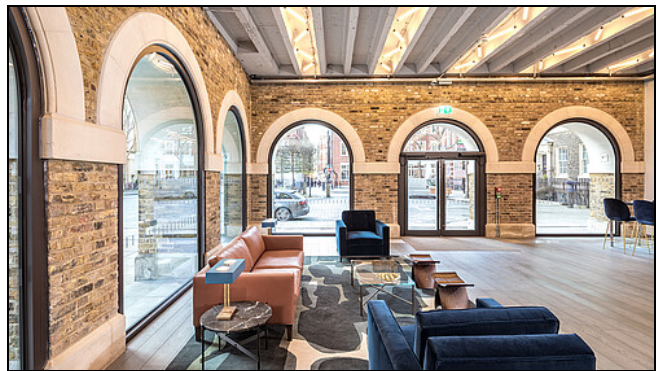
MOUNTING
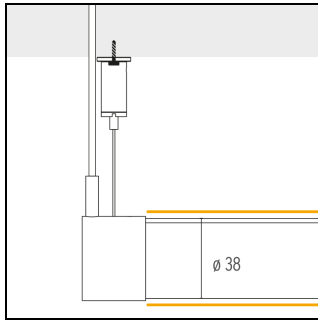
1. Horizontal Pendant	Mounting accessories	Description	Example of application

Horizontal pendant luminaires are delivered with 4 m long pendant wires and black cable as well as ceiling fasteners suitable for both concrete and false ceilings. Luminaires with a length of at least 1.3 m are equipped with an additional middle pendant wire. No further mounting accessories are required.
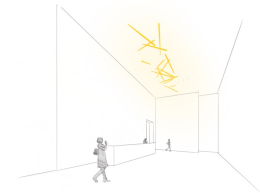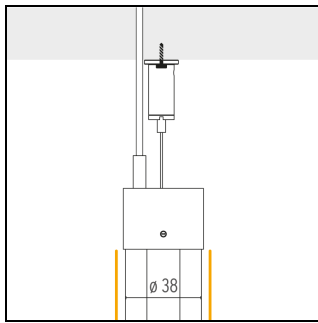
VarioCANOPY Square Mounting set (optional) for pendant ceiling installations on concrete ceilings
Art.-#: 16000347

Pendant set with screws for installations directly on the ceiling. Recommended to use every 1 m.

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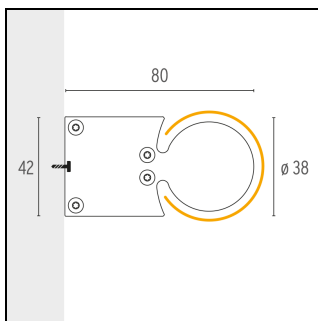| 2. Vertical Pendant	Mounting accessories	Description	Example of application

Vertical pendant luminaires are delivered with a 4 m long pendant wire and black cable as well as a ceiling fastener suitable for both concrete and false ceilings. No further mounting accessories are required.

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.

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3. Wall-mounted	Mounting accessories	Description	Example of application

80

42

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The wall-mounted variant can be mounted in any orientation and on ceilings too.
The length can be freely chosen, up to 4 m long, depending on the chosen light engine.
It comes with its own mounting profile which is large enough to retrofit a slim driver and/or controller if desired.
No further mounting accessories are required.

No additional accessories are required for this mounting option

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POWER SUPPLY UNIT (PSU) & CONTROLS

Recommended PSU

VarioPSU 24V/150W IP20, DALI/SWD
Art.-#: 16000243

Recommended Control

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

Dimensions (L x H x W) :	**325 mm x 30 mm x 43 mm**
Electrical Class:	**SK II**
LED Drive:	**CV**
Voltage (V):	**24 V**
Rated Power (W):	**150 W**
Input Voltage (Vac):	**220 – 240**
Region:	**EU**
Certificates:	**ENEC, EAC**
Schutzart:	**IP20**
Indoor/Outdoor:	**Indoor**

|	
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):	**12-50V**
Certificates:	**tbd**
Schutzart:	**IP10**
Indoor/Outdoor:	**Indoor**

Dimming

Linear   Logarithmic

Recommended PSU

VarioPSU 24V/150W IP20, SK II, SLIM, CV, 220-240V, DALI2/SWD
Art.-#: 16000381

Dimensions (L x H x W) :	**350 mm x 18 mm x 30 mm**
Electrical Class:	**SK II**
LED Drive:	**CV**
Voltage (V):	**24 V**
Rated Power (W):	**150 W**
Input Voltage (Vac):	**220 – 240**
Region:	**EU**
Schutzart:	**IP20**
Indoor/Outdoor:	**Indoor**
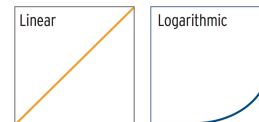
Recommended PSU

VarioPSU 24V/150W IP20, SK II, SLIM, CV, 220-240V, ON/OFF
Art.-#: 16000376

Dimensions (L x H x W) :	**350 mm x 18 mm x 30 mm**
Electrical Class:	**SK II**
LED Drive:	**CV**
Voltage (V):	**24 V**
Rated Power (W):	**150 W**
Input Voltage (Vac):	**220 – 240**
Region:	**EU**
Certificates:	**ENEC**
Schutzart:	**IP20**
Indoor/Outdoor:	**Indoor**

Recommended PSU

VarioPSU 24V/150W IP20, ON/OFF
Art.-#: 16000366

Dimensions (L x H x W) :	**223 mm x 32 mm x 64 mm**
Electrical Class:	**SK II**
LED Drive:	**CV**
Voltage (V):	**24 V**
Rated Power (W):	**150**
Input Voltage (Vac):	**220 – 240**
Region:	**EU**
Schutzart:	**IP20**
Indoor/Outdoor:	**Indoor**

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

0.34 mm^2 / AWG 22

XOOTUBE™ SW PRO Pendant	PRO SW 13	PRO SW 18	PRO SW 24
Product run Length	max. cable length between PSU / Control unit and the luminaire		
1 m	16.1 m	10.7 m	8.4 m
2 m	-	-	-
3 m	-	-	-
4 m	-	-	-
5 m	-	-	-
6 m	-	-	-
7 m	-	-	-

1.5 mm^2 / AWG 15

XOOTUBE™ SW PRO Pendant	PRO SW 13	PRO SW 18	PRO SW 24
Product run Length	max. cable length between PSU / Control unit and the luminaire		
1 m	71.4 m	47.6 m	37.2 m
2 m	-	-	-
3 m	-	-	-
4 m	-	-	-
5 m	-	-	-
6 m	-	-	-
7 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 combability (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 combability 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.