

XOOCOVE White High Efficiency LD IP40

Area: **Indoor Luminaires**

Category: **Cove**

Mounting: **Tool-free cove mounting / Fastened cove mounting**

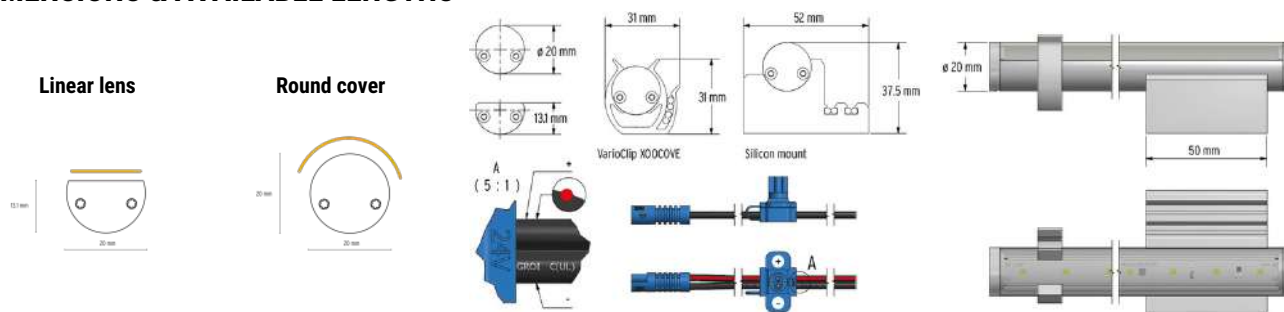


XOOCOVE is a quality solution for cove applications with minimal form factor with 360° adjustability. Thanks to the silicone pad, it is quick and easy to install.

- The silicone pads are placed in the cove, followed by the fixture. This enables an installation where the luminaire can be rotated in 360° without the use of any tool.
- A piercing connector enables installation where multiple luminaires are attached to one 24 V bus cable. The cables are then placed in the silicone pads groove for clean cable management.
- Available with diffuse cover or linear lens and translucent end caps increase cove homogeneity by prohibiting light gaps and dark spots.

Detailed specification text in download section.

DIMENSIONS & AVAILABLE LENGTHS



6 Standard lengths (L): 260 mm / 635 mm / 1,010 mm / 1,260 mm / 1,510 mm / 2,510 mm

TECHNICAL SPECIFICATIONS

Certifications



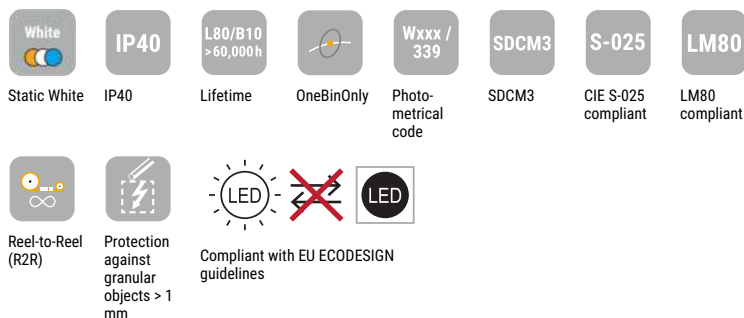
Family Key Features



Awards



Technical Data/Performance



ELECTRICAL & OUTPUT DATA

Voltage	24 Volt (23 V _{min} , 25 V _{max})
Case Temperature (T _{cmin} & T _{cmax})	T _{cmin} = -25°C, T _{cmax} = specific, see Table below
Storage Temperature (T _{smin} & T _{smax})	T _{smin} = -30°C, T _{smax} = 85°C
Ambient Temperature (T _{amin} & T _{amax})	T _{amin} = -25°C, T _{amax} = specific, see Table below

XOOCOVE White High Efficiency LD IP40	LD5	LD10	LD15	LD25
Power (W/m) ^B	5	10	15	25
Efficacy (lm/W) ^B	129	116	129	130
max. length (m)	2.51	2.51	2.51	2.51
max. serial run length (m)	10.0	7.5	7.5	5.0
CRI / R9 (up to)	96 / 81	85 / 31	86 / 33	85 / 31
Temperature Tc-point (T _{cmax}) ^C	70°C	70°C	70°C	70°C
max. ambient temp. (T _{amax})	45°C	45°C	45°C	45°C

			low output		high output	
XOOCOVE White High Efficiency LD IP40			LD5	LD10	LD15	LD25
Color temperature			luminaire lumens/meter (lm/m) ^A @ 60° (degree)			
● W820	2,000K		360	720	1150	1880
● W822	2,200K		410	830	1320	2140
● W825	2,500K		470	950	1510	2450
● W927	W927	2,700K	420	1000	1600	2600
● W930	W930	3,000K	430	1060	1700	2760
● W935	W935	3,500K	440	1120	1780	2900
● W940	W940	4,000K	450	1140	1830	2960
● W850	5,000K		620	1120	1990	3240

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

Please note: The orange values are CRI 90 specifications.

^AWithout cover the IP protection level is reduced from IP40 to IP10.

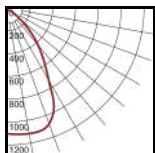
^BThe given data are typical values. Due to tolerances of the production process and the electrical components, photometric values and electrical power can vary up to 10%.

^CThe 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.

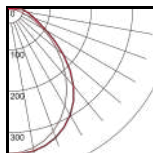
AVAILABLE OPTICS (FAMILY)

Linear lens



60°

Round cover



diffuse

XOOCOVE White High Efficiency LD IP40

ORDER CODE

Example:

XOOCOVE HYD LD5 W820/0260-DR IP40

CONFIGURE NOW!

Options for the order code:

Your selections ☐ :

LED tape

- LD5 (5 W/m) — ☐ LD5
- LD10 (10 W/m) — ☐ LD10
- LD15 (15 W/m) — ☐ LD15
- LD25 (25 W/m) — ☐ LD25

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

Please note: The orange values are CRI 90 specifications.

Lengths

- 260 mm — ☐ 0260
- 635 mm — ☐ 0635
- 1010 mm — ☐ 1010
- 1260 mm — ☐ 1260
- 1510 mm — ☐ 1510
- 2510 mm — ☐ 2510

Optics

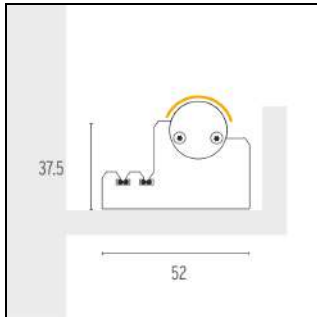
- Round cover, diffuse — ☐ DR
- Linear lens 60° diffuse — ☐ 60D

TYPICAL APPLICATIONS



MOUNTING

1. Tool-free cove mounting



Mounting accessories



XOOCOVE Silicon mounting pad, white
Silicon, 40 ± 5 ° Shore
A, L = 50 mm
Art.-#: 13000226

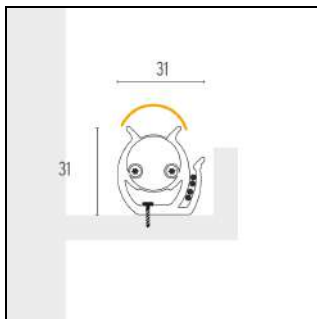
Description

Totally tool free installation of silicon mounting pad, 2 pads per meter are recommended.

Example of application



2. Fastened cove mounting



Mounting accessories



VarioClip XOOCOVE, black
Art.-#: 13000228-SCH

Description

Plastic mounting clips with special cable groove on the side to simplify the wiring. Recommended to use 2 per meter.

Example of application



POWER SUPPLY UNIT (PSU) & CONTROLS**Recommended PSU**

VarioPSU 24V/100W IP20, DALI/SWD
Art.-#: 16000182



Dimensions (L x H x W) : **250 mm x 30 mm x 43 mm**
Electrical Class: **SK II**
LED Drive: **CV**
Voltage (V): **24 V**
Rated Power (W): **100 W**
Input Voltage (Vac): **220 – 240**
Region: **EU**
Certificates: **ENEC, EAC**
Schutzart: **IP20**
Indoor/Outdoor: **Indoor**

Recommended Control

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



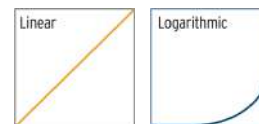
Dimensions (L x H x W) : **188 mm x 21 mm x 30 mm**
Channels: **2**
Dimming Options: **Casambi BLE**
Dimming: **PWM (f ~ 1600Hz)**
Dimming Curve: **Lin/Log/free conf.**
Dimming Range: **100% - 0%**
Voltage (V): **12-50V**
Certificates: **tbd**
Schutzart: **IP10**
Indoor/Outdoor: **Indoor**

Recommended PSU

VarioPSU 24V/100W IP20, ON/OFF
Art.-#: 16000365



Dimensions (L x H x W) : **186 mm x 31 mm x 60 mm**
Electrical Class: **SK II**
LED Drive: **CV**
Voltage (V): **24 V**
Rated Power (W): **100**
Input Voltage (Vac): **220 – 240**
Region: **EU**
Schutzart: **IP20**
Indoor/Outdoor: **Indoor**

Dimming**Recommended PSU**

VarioPSU 24V/100W IP20, ON/OFF
Art.-#: 16000369

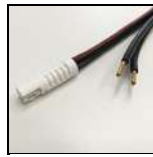


Dimensions (L x H x W) : **298 mm x 16.5 mm x 30 mm**
Electrical Class: **SK II**
LED Drive: **CV**
Voltage (V): **24 V**
Rated Power (W): **100**
Input Voltage (Vac): **120 – 240**
Region: **WR**
Certificates: **ENEC, UL**
Schutzart: **IP20**
Indoor/Outdoor: **Indoor**

CABLING ACCESSORIES

**VarioCon 8A T-Splitter IP20**

Art.-#: **15000151**
 Required quantity: -

**VarioCon 8A Connector 2 x 0.75 mm² 1 m IP20**

Art.-#: **15000297-PSU**
 Required quantity: -

**VarioCon 8A Extension 2x0,75mm² 10m IP20**

Art.-#: **15000270**
 Required quantity: -

**VarioCon 8A Extension 2x0,75mm² 20m IP20**

Art.-#: **15000271**
 Required quantity: -

**VarioCon 8A Y junction parallel IP20**

Art.-#: **15000153**
 Required quantity: -

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

0.34 mm² / AWG 22

XOOCOVE White High Efficiency LD IP40	LD5	LD10	LD15	LD25
Product run Length	max. cable length between PSU / Control unit and the luminaire			
1 m	38.8 m	19.4 m	12.9 m	7.7 m
2 m	19.4 m	9.7 m	6.4 m	3.8 m
3 m	12.9 m	6.4 m	4.3 m	2.5 m
4 m	9.7 m	4.8 m	3.2 m	1.9 m
5 m	7.7 m	3.8 m	2.5 m	1.5 m
6 m	6.4 m	3.2 m	2.1 m	-
7 m	5.5 m	2.7 m	1.8 m	-

1.5 mm² / AWG 15

XOOCOVE White High Efficiency LD IP40	LD5	LD10	LD15	LD25
Product run Length	max. cable length between PSU / Control unit and the luminaire			
1 m	171.3 m	85.6 m	57.1 m	34.2 m
2 m	85.6 m	42.8 m	28.5 m	17.1 m
3 m	57.1 m	28.5 m	19 m	11.4 m
4 m	42.8 m	21.4 m	14.2 m	8.5 m
5 m	34.2 m	17.1 m	11.4 m	6.8 m
6 m	28.5 m	14.2 m	9.5 m	-
7 m	24.4 m	12.2 m	8.1 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.

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