

# XOOCOVE White High Efficiency LD IP40

Area: **Indoor Luminaires**  
 Category: **Cove**  
 Mounting: **Tool-free cove mounting / Fastened cove mounting**

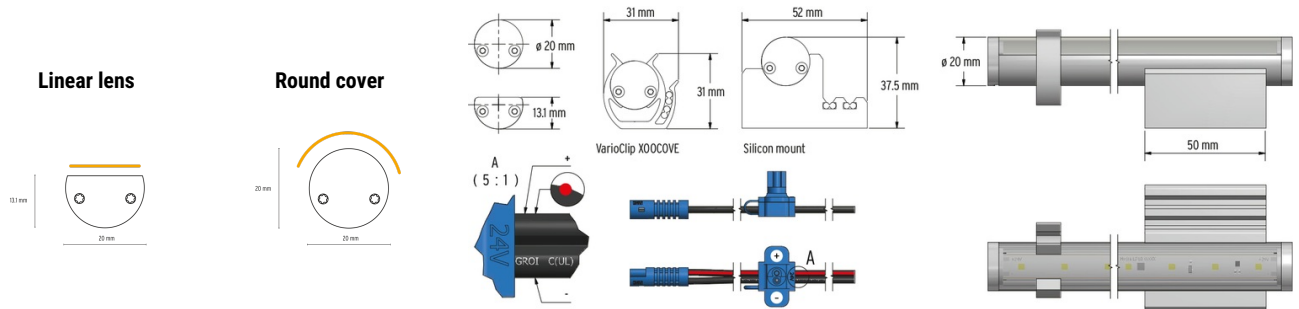


XOOCOVE is a quality solution for cove applications with minimal form factor with 360° adjustability. Thanks to the silicone pad, it is quick and easy to install.

- 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



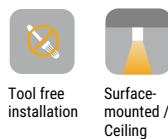
6 Standard lengths (L): 260 mm / 635 mm / 1,010 mm / 1,260 mm / 1,510 mm / 2,510 mm

## TECHNICAL SPECIFICATIONS

### Certifications



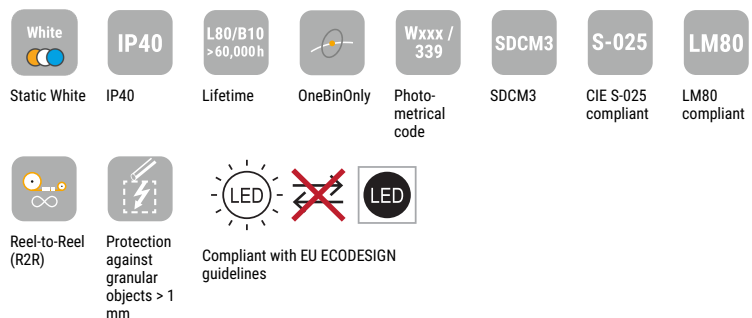
### Family Key Features



### Awards



### Technical Data/Performance



## ELECTRICAL & OUTPUT DATA

Voltage	24 Volt (23 V <sub>min</sub> , 25 V <sub>max</sub> )
Case Temperature (T <sub>c,min</sub> & T <sub>c,max</sub> )	T <sub>c,min</sub> = -25°C, T <sub>c,max</sub> = specific, see Table below
Storage Temperature (T <sub>s,min</sub> & T <sub>s,max</sub> )	T <sub>s,min</sub> = -30°C, T <sub>s,max</sub> = 85°C
Ambient Temperature (T <sub>a,min</sub> & T <sub>a,max</sub> )	T <sub>a,min</sub> = -25°C, T <sub>a,max</sub> = specific, see Table below

XOOCOVE White High Efficiency LD IP40	LD5	LD10	LD15	LD25
Power (W/m) <sup>B</sup>	5	10	15	25
Efficacy (lm/W) <sup>B</sup>	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 <sub>c,max</sub> ) <sup>C</sup>	70°C	70°C	70°C	70°C
max. ambient temp. (T <sub>a,max</sub> )	45°C	45°C	45°C	45°C

XOOCOVE White High Efficiency LD IP40	low output <span style="float:right">high output</span>			
	LD5	LD10	LD15	LD25
<b>Color temperature</b>	<b>luminaire lumens/meter (lm/m)<sup>A</sup> @ 60° (degree)</b>			
● 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.

<sup>A</sup>Without cover the IP protection level is reduced from IP40 to IP10.

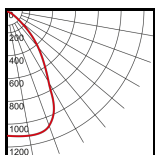
<sup>B</sup>The given data are typical values. Due to tolerances of the production process and the electrical components, photometric values and electrical power can vary up to 10%

<sup>C</sup>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.

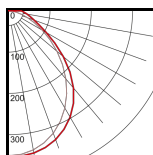
## AVAILABLE OPTICS (FAMILY)

### Linear lens



60°

### Round cover



diffuse

## ORDER CODE

Example:

XOOCOVE HYD **LD5 W820/0260-DR** IP40

## TYPICAL APPLICATIONS

### 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

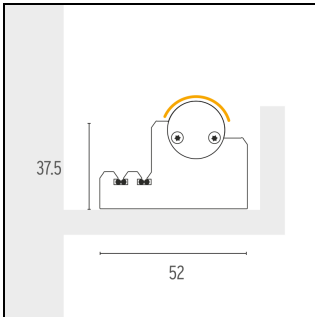
##### Optics

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

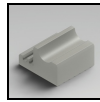


## MOUNTING

### 1. Tool-free cove mounting



### Mounting accessories



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

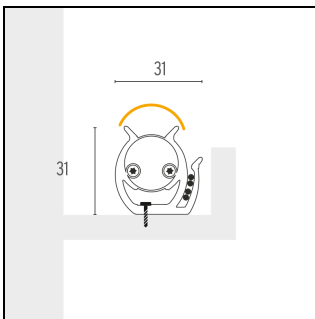
### Description

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**

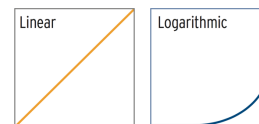
### Recommended PSU

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



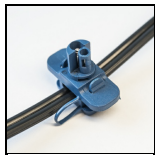
### Recommended PSU

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



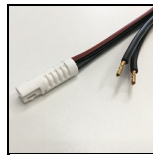
Dimensions (L x H x W) : **298 mm x 16.5 mm x 30 mm**  
 Electrical Class: **SK II**  
 LED Drive: **CV**  
 Voltage (V): **24 V**  
 Rated Power (W): **100**  
 Input Voltage (Vac): **120 – 240**  
 Region: **WR**  
 Certificates: **ENEC, UL**  
 Schutzart: **IP20**  
 Indoor/Outdoor: **Indoor**

## 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: -



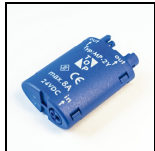
**VarioCon 8A Extension 2x0,75mm² 10m IP20**

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.