

XOOLUM White High Efficiency HD IP67

Area: **Outdoor Luminaires**

Category: **Rigid light lines**

Mounting: **Pendant / Surface-mounted, fixed / Surface-mounted, adjustable / Test**



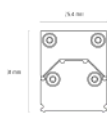
Luminaire with 45° adjustable head with an opal encapsulation for decent accent lighting.

- High Lumen output up to 1,000 lm/m and efficiency of 45 lm/W in combination with minimalistic design (25.4 mm x 31 mm) makes XOOLUM an efficient product.
- Polyurethane is utilized in XOOLUM to make it more resistant to impact from salt water UV-light and solvents.
- XOOLUM is a two in one fixture thanks to the possibility to mount it with an 45° angle. It can be surface mounted or as pendant fixture.

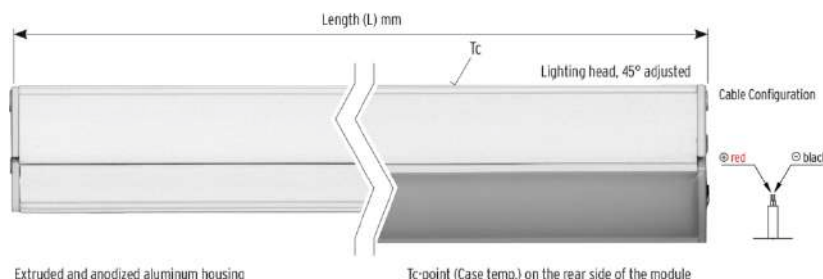
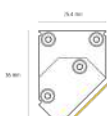
Detailed specification text in download section.

DIMENSIONS & AVAILABLE LENGTHS

0° tilt (here shown with type A end caps)



45° tilt (here shown with type NA end caps)



Extruded and anodized aluminum housing

Tc-point (Case temp.) on the rear side of the module

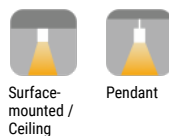
Fixture build to length (not field cuttable): $L = (N \times 62.5 \text{ mm}) + 10 \text{ mm}$; $N = 3 \dots$ (as follows); $L_{\min} = 198 \text{ mm}$; HD6/HD10/HD15: $N_{\max} = 64$; $L_{\max} = 4,010 \text{ mm}$; HD25: $N_{\max} = 48$; $L_{\max} = 3,010 \text{ mm}$

TECHNICAL SPECIFICATIONS

Certifications



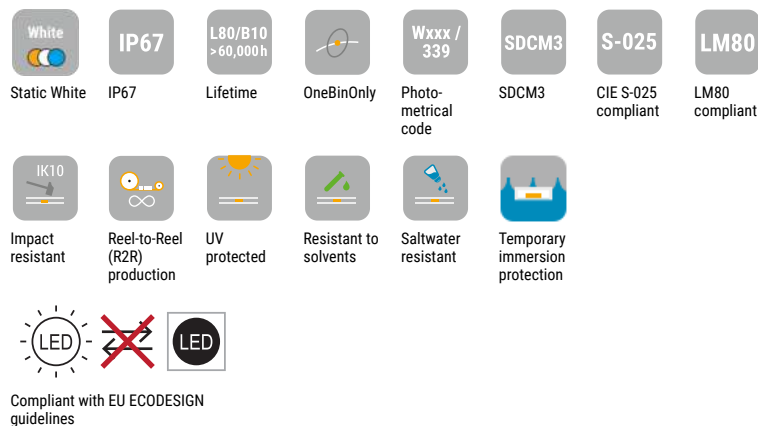
Family Key Features



Awards



Technical Data/Performance



ELECTRICAL & OUTPUT DATA

Voltage	24 Volt (23 V _{min} , 25 V _{max})
Housing 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

Power (W/m)A	6	10	15	25
Power (W/m)A	6	10	15	25
max. efficacy (lm/W)A	39	39	45	40
max. length (m)	3.02	3.02	3.02	3.02
max. serial run length (m)	5.0	5.0	4.0	3.0
CRI / R9 (up to)	96 / 81	96 / 81	86 / 36	86 / 36
Temperature T _C -point (T _{Cmax})B	60°C	60°C	60°C	65°C
max. ambient temp. (T _{Amax})	40°C	40°C	40°C	35°C

low output		high output			
Color code / Color temperatureC		Luminaire lumens/meter* (lm/m)A			
W820	145				
W820	2,300 K	145	255	435	660
W822	2,700 K	165	275	475	715
W825	3,100 K	170	315	510	815
W827 W927	3,500 K 3,400 K	170	280	620	865
W830 W930	4,100 K 4,000 K	170	285	630	920
W835 W935	5,000 K 4,900 K	175	295	650	965
W840 W940	6,100 K 6,100 K	180	305	660	985
W850	9,600 K	235	385	675	1000

* Silver colored profile

! 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 T_C-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.

! Note: ~40% luminous flux at opal and ~25% with diffuse cover.

ORDER CODE

Example:

XOOLUM HYD **HD6/W820** - **-S-NA-BS** IP67

CONFIGURE NOW!

Options for the order code:

Your selections ☐ :

LED tape

- HD6 (6 W/m) — ☐ HD6
 HD10 (10 W/m) — ☐ HD10
 HD15 (15 W/m) — ☐ HD15
 HD25 (25 W/m) — ☐ HD25

Color temperature

- 2,400 K — ☐ W820
 2,700 K — ☐ W822
 3,000 K — ☐ W825
 3,500 K / **3,400 K** — ☐ W827 / **W927**
 3,900 K / **3,800 K** — ☐ W830 / **W930**
 4,600 K / **4,400 K** — ☐ W835 / **W935**
 5,500 K / **5,600 K** — ☐ W840 / **W940**
 7,200 K — ☐ W850

Length

- L_{min}: 198 mm — ☐ 0198
 L_{max}: 4,010 mm — ☐ 4010

Fixture build to length (not field cuttable): L = (N x 62.5 mm) + 10 mm; N = 3 ... (as follows); L_{min} = 198 mm; HD6/HD10/HD15: N_{max} = 64; L_{max} = 4,010 mm; HD25: N_{max} = 48; L_{max} = 3,010 mm

Housing color

- Silver — ☐ S
 Black — ☐ B

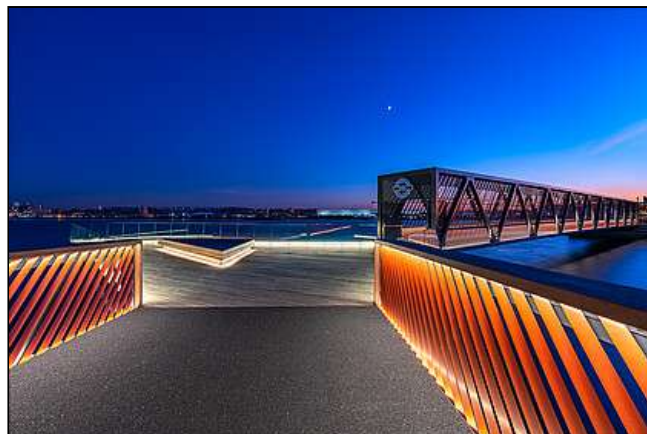
Lighting head

- Non adjustable — ☐ NA
 Adjustable — ☐ A

Cable Feed

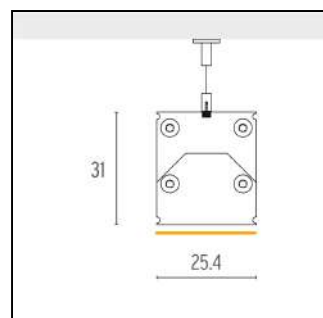
- Back side, 2 m (through mounting channel) — ☐ BS
 Front side, 2 m (through end caps) — ☐ FS

TYPICAL APPLICATIONS



MOUNTING

1. Pendant



VarioPendant 007 slide silver
 Pendant set slideable for VarioContour 007
 Digits in order code: P



VarioPendant 007 slide black
 Pendantset slideable for VarioContour 007
 Digits in order code: P



VarioCANOPY Square Mounting set (optional) for pendant ceiling installations on concrete ceilings
 Art.-#: 16000347

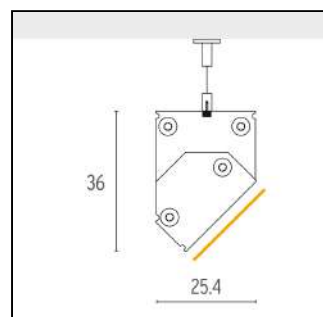
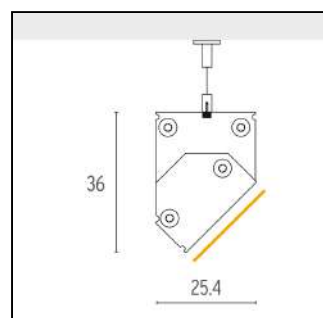
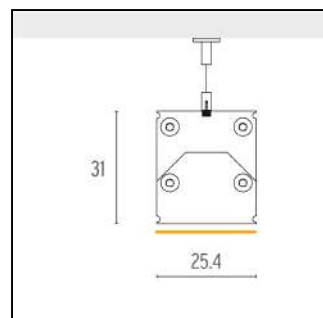
Description

Pendant set for installations directly on the ceiling. 2 m wire is cuttable on site.

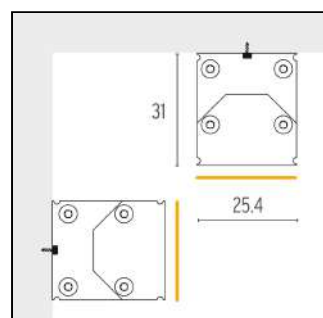
Pendant set for installations directly on the ceiling. 2 m wire is cuttable on site.

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

Example of application



2. Surface-mounted, fixed



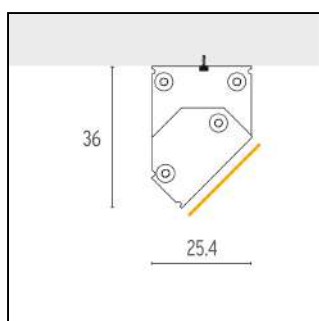
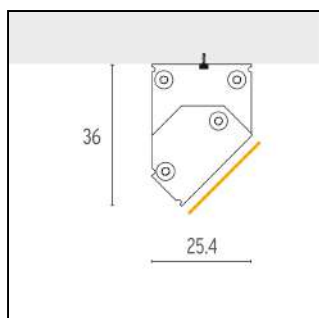
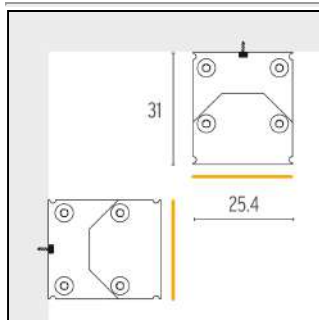
Mounting accessories

No additional accessories are required for this mounting option

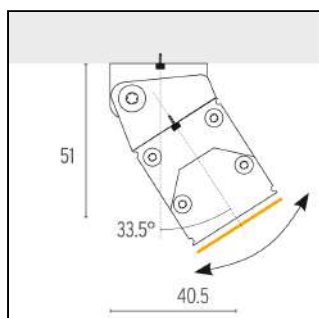
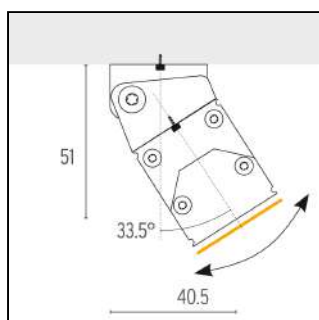
Description

Example of application





3. Surface-mounted, adjustable



Mounting accessories



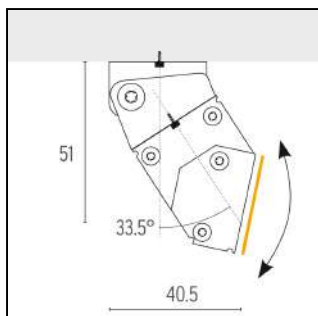
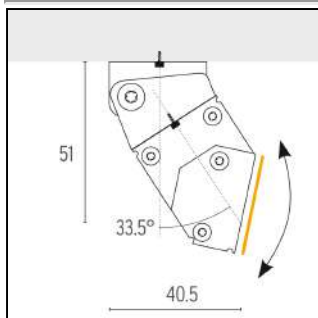
XOOLUM Swivel-Angle Set +/- 45°
 Digits in order code: TMC

Description

Adjustable clip for extra 45° tilt.

Example of application





4. Test

Mounting accessories

Description

No additional accessories are required for this mounting option

POWER SUPPLY UNIT (PSU) & CONTROLS

Recommended PSU

VarioPSU 24V/150W IP67, ON/OFF, Silver
Art.-#: 16000066



Dimensions (L x H x W): **228 mm x 38.8 mm x 68 mm**
Electrical Class: **SK I**
LED Drive: **CV**
Voltage (V): **24 V**
Rated Power (W): **150**
Input Voltage (Vac): **90 – 305**
Region: **WR**
Certificates: **ENEC, UL**
Schutzart: **IP67**
Indoor/Outdoor: **Outdoor**

Recommended Control

IN.finite™ DALI® DT6 2CH CV ULT
Art.-#: 16000268-DT6-ULT



Dimensions (L x H x W): **188 mm x 21 mm x 30 mm**
Channels: **2**
Dimming Options: **DALI**
Dimming: **PWM (f ~ 200 Hz)**
Dimming Curve: **Logarithmic**
Dimming Range: **100% – 0%**
Voltage (V): **12 – 50 V**
Certificates: **CE**
Schutzart: **IP20**
Indoor/Outdoor: **Indoor**

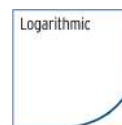
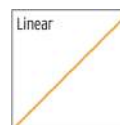
Recommended PSU

VarioPSU 24V/120W IP67, DALI, Black
Art.-#: 16000322



Dimensions (L x H x W): **191 mm x 37.5 mm x 63 mm**
Electrical Class: **SK II**
LED Drive: **CV**
Voltage (V): **24 V**
Rated Power (W): **120 W**
Input Voltage (Vac): **90 – 305**
Region: **WR**
Certificates: **ENEC, UL**
Schutzart: **IP67**
Indoor/Outdoor: **Outdoor**

Dimming



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

0.34 mm² / AWG 22

XOOLUM White High Efficiency HD IP67	HD6	HD10	HD15	HD25
Product run Length	max. cable length between PSU / Control unit and the luminaire			
1 m	32.3 m	19.4 m	12.9 m	7.7 m
2 m	16.1 m	9.7 m	6.4 m	3.8 m
3 m	10.7 m	6.4 m	4.3 m	2.5 m
4 m	8 m	4.8 m	3.2 m	-
5 m	-	-	-	-

1.5 mm² / AWG 15

XOOLUM White High Efficiency HD IP67	HD6	HD10	HD15	HD25
Product run Length	max. cable length between PSU / Control unit and the luminaire			
1 m	142.8 m	85.6 m	57.1 m	34.2 m
2 m	71.4 m	42.8 m	28.5 m	17.1 m
3 m	47.6 m	28.5 m	19 m	11.4 m
4 m	35.7 m	21.4 m	14.2 m	-
5 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.