

XOOLIGHT White High Efficiency HD IP67

Area: **Outdoor Luminaires**

Category: **Rigid light lines**

Mounting: **Pendant / Recessed / Surface-mounted, horizontal**

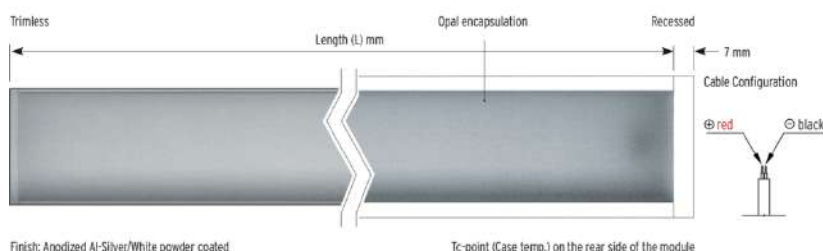
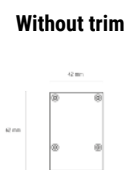
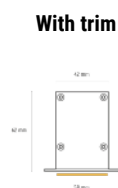


Sleek design luminaire for general lighting manufactured to length. Available as pendant, surface and recessed.

- Pleasing form factor of 42 mm x 62 mm.
- 3 Different mounting possibilities for homogeneity throughout a building. It is therefore possible to utilize the same product at different locations using different construction types.
- Freely scalable up to 4 m.

Detailed specification text in download section.

DIMENSIONS & AVAILABLE LENGTHS



Finish: Anodized Al-Silver/White powder coated

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

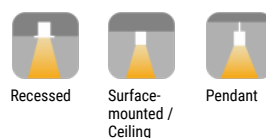
Fixture build to length (not field cuttable): $L = (N \times 62.5 \text{ mm}) + 21 \text{ mm}$; $N = 1 \dots$ (as follows); $L_{\min} = 84 \text{ mm}$; HD6/HD10/HD15: $N_{\max} = 64$; $L_{\max} = 4,021 \text{ mm}$; HD25: $N_{\max} = 48$; $L_{\max} = 3,021 \text{ mm}$

TECHNICAL SPECIFICATIONS

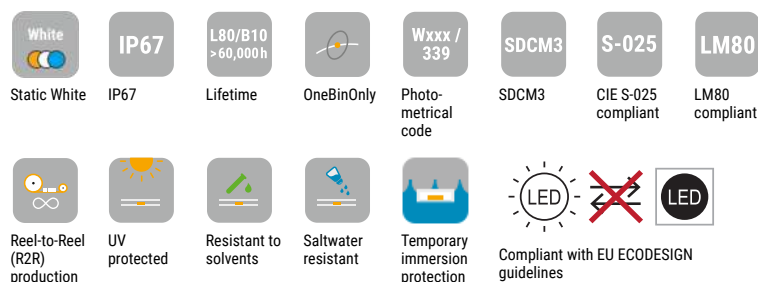
Certifications



Family Key Features



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

XOOLIGHT White High Efficiency HD IP67	HD6	HD10	HD15	HD25
Power (W/m) ^A	6	10	15	25
Efficacy (lm/W) ^A	46	45	53	47
max. length (m)	4.03	4.03	4.03	3.03
CRI / R9 (up to)	95 / 82	95 / 82	85 / 32	85 / 32
max. Housing temperature (T _{Cmax}) ^B	70°C	70°C	70°C	70°C
max. Ambient temperature (T _{Amax})	40°C	40°C	40°C	40°C

		low output high output			
XOOLIGHT White High Efficiency HD IP67		HD6	HD10	HD15	HD25
Color temperature ^C		luminaire lumens/meter (lm/m) ^A			
Order Code	Delivered CCT	Order Code			
● W820	2.400 K	170	300	510	770
● W822	2.700 K	190	320	560	830
● W825	3.000 K	200	370	600	950
● W827 W927	3.500 K 3.400 K	200	330	720	1010
● W830 W930	3.900 K 3.800 K	200	330	740	1070
● W835 W935	4.600 K 4.400 K	210	340	760	1130
● W840 W940	5.500 K 5.600 K	210	350	770	1150
● W850	7.200 K	270	450	790	1170

! 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:

XOOLIGHT HYD **HD6 W820/** **-A-BS-T** 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}: 84 mm — ☐ 0084
 L_{max}: 4,021 mm — ☐ 4021

Fixture build to length (not field cuttable): $L = (N \times 62.5 \text{ mm}) + 21 \text{ mm}$; N = 1 ... (as follows); L_{min} = 84 mm; HD6/HD10/HD15: N_{max} = 64; L_{max} = 4,021 mm; HD25: N_{max} = 48; L_{max} = 3,021 mm

Housing color

- Anodized Al-Silver — ☐ A
 White powder coated — ☐ W

Cable Feed

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

Trim

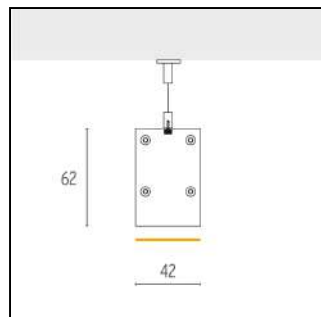
- Trimless — ☐ T
 Recessed — ☐ R

TYPICAL APPLICATIONS



MOUNTING

1. Pendant



Mounting accessories



VarioPendant 4242/4262 C
 Pendantset for VarioContour 4242/4262
 Art.-#: 13000106



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

Description

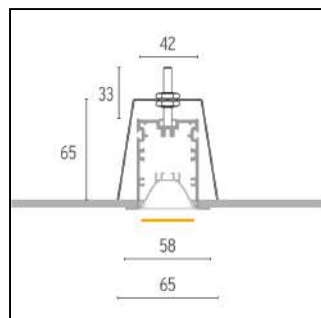
Pendant set for installations directly on the ceiling. 2 m wire is cuttable on site.

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

Example of application



2. Recessed



Mounting accessories

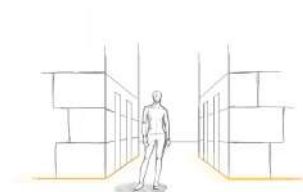


VarioClamp Vario Contour 4262R
 Recessed clamp for Vario Contour 4262R
 Art.-#: 13000080

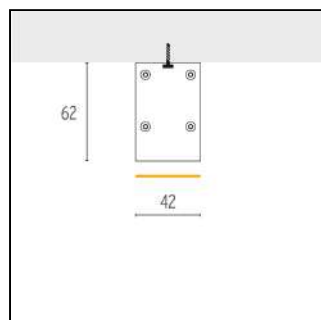
Description

The clamps can be adjusted in height to properly fit the thickness of the ceiling by tightening up the screw/bolt before clicking the light insert in.

Example of application



3. Surface-mounted, horizontal

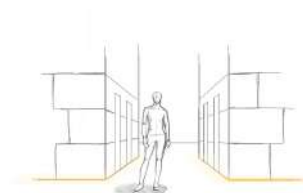


Mounting accessories

No additional accessories are required for this mounting option

Description

Example of application



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**

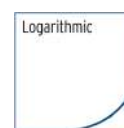
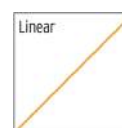
Recommended PSU

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

XOOLIGHT 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

XOOLIGHT 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.