

# XOOLUM RGBW HD IP40

Area: **Indoor Luminaires**

Category: **Allrounder**

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



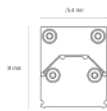
Compact luminaire with adjustable luminaire head (45°) which offers enormous modularity lighting effect and mounting wise.

- High lumen output up to 3,740 lm/m and efficiency of 105 lm/W in combination with a minimalistic design makes XOOLUM an efficient product.
- The range of covers and reflectors (65° and Wall Washer) increase the flexibility of XOOLUM.
- XOOLUM is a two in one fixture thanks to the possibility to mount it with an 45° angle. The mounting possibilities are surface, pendant and cove.

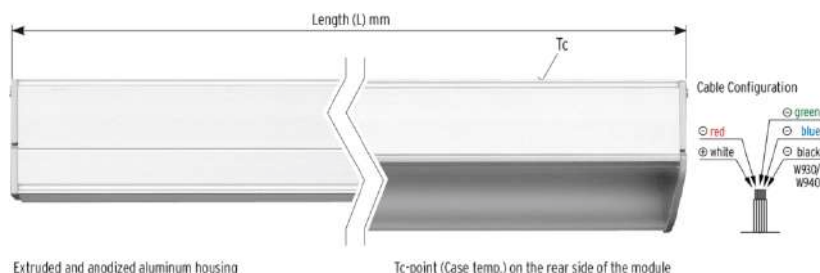
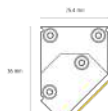
Detailed specification text in download section.

## 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):  $L = (N \times 83.33 \text{ mm}) + 10 \text{ mm}$ ;  $N = 3 \dots$  (as follows);  $L_{\min} = 260 \text{ mm}$ ; HD20:  $N_{\max} = 48$ ;  $L_{\max} = 4,010 \text{ mm}$ ; HD40:  $N_{\max} = 24$ ;  $L_{\max} = 2,010 \text{ mm}$

## TECHNICAL SPECIFICATIONS

### Certifications



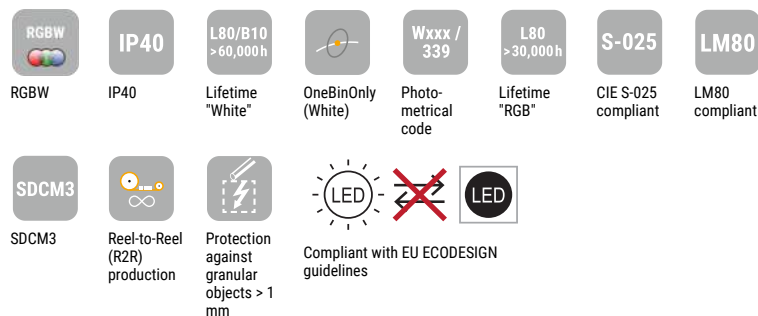
### Family Key Features



### Awards








### Technical Data/Performance



## ELECTRICAL & OUTPUT DATA

Voltage	24 Volt (23 V <sub>min</sub> , 25 V <sub>max</sub> )
Housing temperature (T <sub>cmin</sub> & T <sub>cmax</sub> )	T <sub>cmin</sub> = -25°C, T <sub>cmax</sub> = specific, see Table below
Storage Temperature (T <sub>smin</sub> & T <sub>smax</sub> )	T <sub>smin</sub> = -30°C, T <sub>smax</sub> = 85°C
Ambient temperature (T <sub>amin</sub> & T <sub>amax</sub> )	T <sub>amin</sub> = -25°C, T <sub>amax</sub> = specific, see Table below

XOOLUM RGBW HD IP40	RGBW HD20	RGBW HD40
Power (W/m) <sup>B</sup>	20	40
Efficacy (lm/W) <sup>B</sup>	74	74
max. length (m)	4.01	2.01
CRI / R9 (up to)	95 / 86	95 / 86
max. Housing temperature (T <sub>cmax</sub> ) <sup>C</sup>	70°C	75°C
max. Ambient temperature (T <sub>amax</sub> )	40°C	35°C

low output			high output	
XOOLUM RGBW HD IP40			RGBW HD20	RGBW HD40
Color temperature		Color	luminaire lumens/meter (lm/m) <sup>A</sup> @ Low square cover, clear	
	Red (R)	622	90	120
	Green (G)	532	260	330
	Blue (B)	466	50	80
Color temperature			luminaire lumens/meter (lm/m) <sup>A</sup> @ Low square cover, clear	
	W930	3,000K	630	1490
	W940	4,000K	650	1560
Total@4,000K			1050	2100

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

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

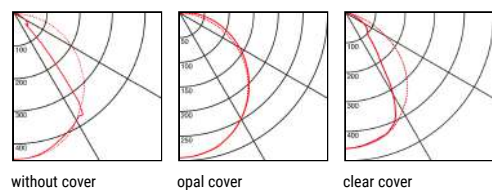
<sup>B</sup>The given data are typical values. Due to tolerances of the production process and the electrical components, photometric values and electrical power can vary up to 10%.

<sup>C</sup>The Tc-point should be measured in thermal equilibrium according to IEC EN 60598-1.

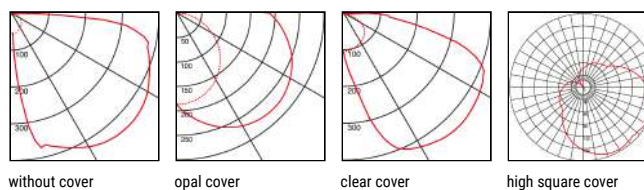
! **Note:** -40% luminous flux at opal and -25% with diffuse cover.

## AVAILABLE OPTICS

0° tilt



45° tilt



## ORDER CODE

Example:

XOOLUM RGBW HD20 W930/ -S-X-NA-BS-X  
 IP10

### CONFIGURE NOW!

#### Options for the order code:

Your selections ■ :

##### LED tape

RGBW HD20 (20 W/m) — ☒ RGBW HD20

RGBW HD40 (40 W/m) — ☒ RGBW HD40

##### Color temperature

3,000 K — ☒ W930

4,000 K — ☒ W940

##### Length

L<sub>min</sub>: 260 mm — ☒ 0260

L<sub>max</sub>: 4,010 mm — ☒ 4010

Fixture build to length (not field cuttable): L = (N x 83.33 mm) + 10 mm; N = 3 ... (as follows); L<sub>min</sub> = 260 mm; HD20: N<sub>max</sub> = 48; L<sub>max</sub> = 4,010 mm; HD40: N<sub>max</sub> = 24; L<sub>max</sub> = 2,010 mm

##### Housing color

Silver — ☒ S

Black — ☒ B

##### Optics

Without optics — ☒ X

Opal cover — ☒ OP

Opal cover, high — ☒ HO

Clear cover — ☒ CL

##### Lighting head

Non adjustable — ☒ NA

Adjustable — ☒ A

##### Cable Feed

Back side, 2 m (through mounting channel) — ☒ BS

##### Mounting type

Surface (can be upgraded to pendant with accessories) — ☒ X

##### Ingress protection

IP10 (without optics) — ☒ IP10

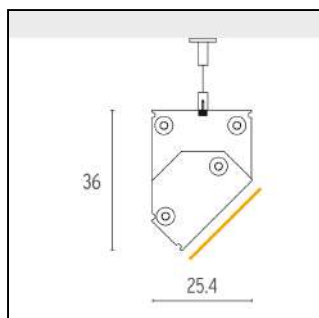
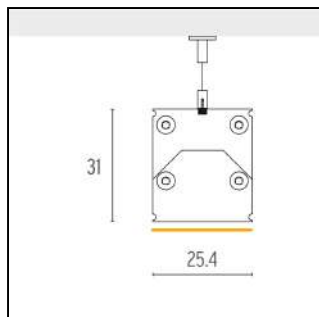
IP40 — ☒ IP40

## TYPICAL APPLICATIONS



## MOUNTING

### 1. Pendant



#### Mounting accessories



**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.

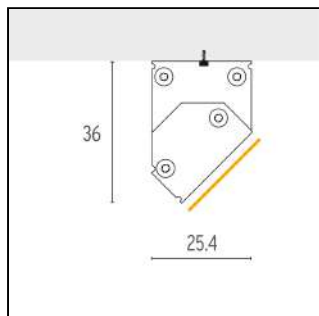
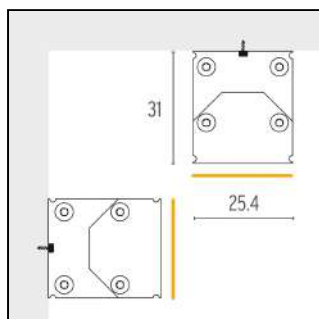
Pendant set for installations directly on the ceiling. 2 m wire is cuttable on site.

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



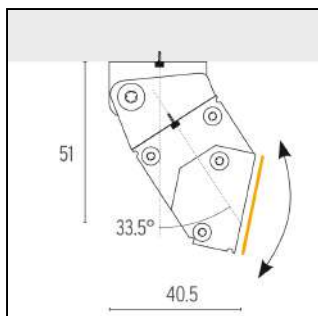
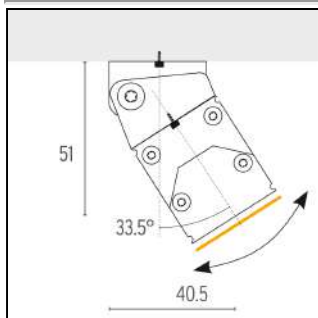
**XOOLUM Swivel-Angle Set +/- 45°**  
 Digits in order code: TMC

#### Description

Adjustable clip for extra 45° tilt.

#### Example of application





## POWER SUPPLY UNIT (PSU) & CONTROLS

### Recommended PSU

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



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**

### Recommended Control

VarioControl LinearDrive 720  
Art.-#: 16000058



Dimensions (L x H x W): **153 mm x 50 mm x 23 mm**  
Channels: **4**  
Dimming Options: **DALI ,DMX ,1–10V**  
Dimming: **PWM (f ~ 1200Hz)**  
Dimming Curve: **Linear/Logarithmic**  
Dimming Range: **100% - 0%**  
Voltage (V): **12-48V**  
Certificates: **ENEC/UL/KEMA**  
Schutzart: **IP10**  
Indoor/Outdoor: **Indoor**

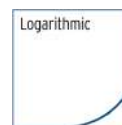
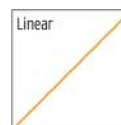
### Recommended PSU

VarioPSU 24V/150W IP20, SK II, SLIM, CV, 220-240V, DALI2/SWD  
Art.-#: 16000381-01



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**

### Dimming



### 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<sup>2</sup> / AWG 22

XOOLUM RGBW HD IP40	RGBW HD20	RGBW HD40
Product run Length	max. cable length between PSU / Control unit and the luminaire	
1 m	9.7 m	4.8 m
2 m	4.8 m	2.4 m
3 m	3.2 m	-
4 m	2.4 m	-

### 1.5 mm<sup>2</sup> / AWG 15

XOOLUM RGBW HD IP40	RGBW HD20	RGBW HD40
Product run Length	max. cable length between PSU / Control unit and the luminaire	
1 m	42.8 m	21.4 m
2 m	21.4 m	10.7 m
3 m	14.2 m	-
4 m	10.7 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 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.