

## Colswe-Light-V3

Art. No. 13040

**Colswe-Light-V3**, is an USB ambient light sensor (lux meter). It measures ambient light up to 1000.000 lux. Measurements can be directly read via an USB connection or they can be stored in its internal flash memory for later retrieval via the USB connection.

**Colswe-Light-V3 replaces** Yocto-Light-V1 which is out of not production. Its response to light is closer to human eye than the response of **Colswe-Light-V2**.

The sensor part can be detached from the main USB board and moved a few meters away using a 4-wire cable, soldered on the designed contact pads.

**Package:**      Sensor: Light-V3 (Art. No. 23040).  
                    Enclosure: Box-Short-Thin-Black (Art. No. 25020).  
                    Cable to choose between:  
                            USB-A-MicroB-180, length 180 cm, right angle (Art. No. 36010)  
                            USB-A-MicroB-180, length 180 cm, left angle (Art. No. 36020)  
                            USB-A-MicroB-180, length 180 cm, straight (Art. No. 36030)  
                    Power Supply: 3 ports - USB-A white, 100-240V to 5V USB, 2,4A, 12W

**Colswe Light-V3** can be connected directly to:

- WiFi network with Colswe-Hub-Wireless-SR (Art. No. 27000)
- GSM network with a Colswe-Hub-GSM (Art. No. 27010)
- Ethernet network with a Colswe-Hub-Ethernet (Art. No. 27020)

Refer to the respective Hub article number.

**Downloads in [www.colswe.com](http://www.colswe.com):**

- Colswe Light-V3 User Manual.pdf
- VirtualHub.Zip

## Technical Specification

Module name:	Colswe-Light-V3
Article No.:	13020
Sensor name:	Yocto-Light_v3 (Made in Switzerland)
Sensor:	BH1751FVI
USB connector:	micro-B
Refresh rate:	4 Hz
Range(H):	0..100 %
Measure range:	0...100.000 lux
Sensitivity:	0,25 lux
Normal operating temperature:	5...40 °C
Extended operating temperature:	-30...85 °C
Supported Operating Systems:	Windows, Linux (Intel + ARM), Mac OS X, Android
Drivers:	no driver needed
API / SDK / Libraries (USB+TCP):	C++, Objective-C, C#, VB .NET, Delphi, Python, Java/Android
API / SDK / Libraries (TCP only):	Javascript, Node.js, PHP, Java
RoHS:	yes
Enclosure:	YoctoBox-Short-Thin-Black
Art. No.:	25020
USB cables:	
USB cable left	USB-A to left angle USB micro-B, 180 cm
Art. No.:	36010
USB cable right	USB-A to right angle USB micro-B, 180 cm
Art. No.:	36020
USB cable straight	USB-A to straight USB micro-B, 200 cm
Art. No.:	36030
Power supply:	3 ports USB-A, 100-240 V to 5 V USB, 2,4 A, 12 W
Art. No.:	59010
Thickness:	12,7 mm
Width:	41 mm
Length:	50,5 mm
Weight:	15,7 g

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