

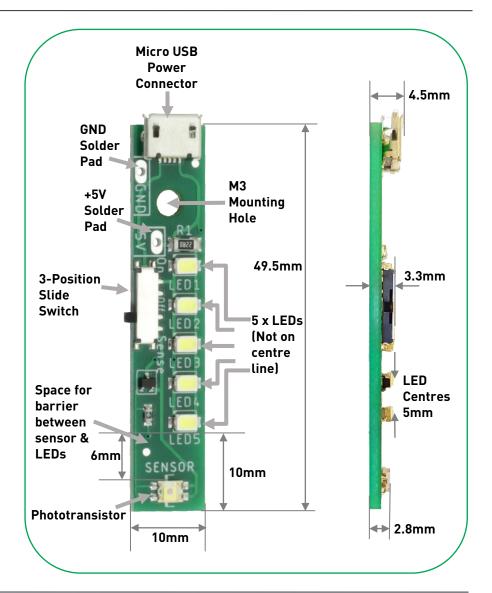
White USB LED Strip with Sensor

Introduction: The LED Strip with Sensor is a board designed for low power lighting, activated by the transition from light to dark or directly via the switch. An **e**xample use case would be night lights.

The board is designed such that it is within the of the supply rating of a computer USB port (under 100mA). The PCB is approximately 50mm long, 10mm wide, and is provided with a single mounting hole.

The side-mounted slide switch has three positions: On, Off and Sense. The On and Off positions directly turn on/off the LEDs, whereas the Sense position makes use of the end-mounted phototransistor to turn the LEDs on when the darkness threshold has been reached. A clear gap has been left between the phototransistor and the rest of the components to allow a barrier to be placed between them in an enclosure design, ensuring no light from the LEDs can affect the sensor.

Specification	
Operational Supply	5V via micro USB connector or +5V & GND solder pads
Forward Current	90mA at 5V
Number of LEDs	5 White LEDs
Luminous Intensity	~8000mCd
Colour Temperature	6500K
Mounting	Single M3 hole (3.3mm Dia)



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