



## Mod. **LUX**

Illuminance sensor

## Highlighted specs

- Illuminance sensor for indoor and outdoor applications (IP67)
- Selectable measure range from 0 to 200klux
- High sensibility: 5-500mV/lux
- Spectral range: Curve V( $\lambda$ )
- According to **CE** norms

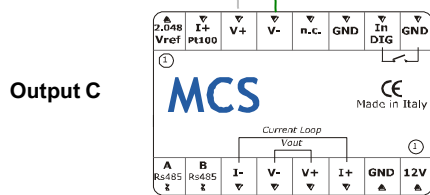
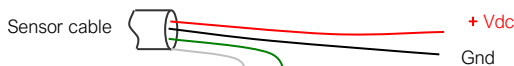
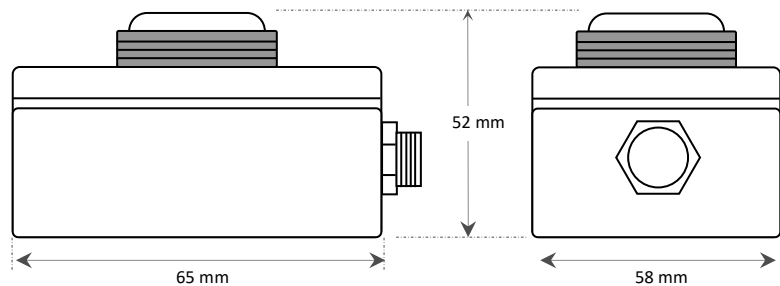
Sensor for measuring the **illuminance** (lux), defined as the ratio (lumen) between the light passing through a given surface and the surface area ( $m^2$ ). Ideal for illuminance measurements indoor or outdoor, with degree of protection IP67, ideal for offices and laboratories, industrial buildings, shopping centres, theatres, museums, sports facilities, roads, tunnels, nursery-plant, etc.

Quality instrument that, thanks to the different types of **standard electrical output (voltage and current) or digital RS485 with ModBus** (optional MCS), can be easily interfaced with any acquisition system. Each instrument is supplied with a calibration report.

<b>Range</b>	<b>a:</b> 0.02 ÷ 2 klux <b>b:</b> 0.2 ÷ 20 klux <b>c:</b> 2 ÷ 200 klux (specify at order)
<b>Spectral range</b>	Curve V ( $\lambda$ )
<b>Typical Sensibility</b>	5-500 mV/lux
<b>Precision</b>	<8% in accordance with standard photopic curve V( $\lambda$ )
<b>Type of transducer</b>	Silicium photodiode
<b>Signal output</b>	0÷10Vdc, 4÷20mA or <b>RS485 ModBus</b> with MCS option
<b>Working conditions</b>	-20 ÷ +60°C
<b>Protections</b>	Polarity reverse and transient
<b>Power supply and consumption</b>	<b>output 0÷10Vdc:</b> 16 ÷ 30Vdc ~ 10mA@12Vdc <b>output 4÷20mA:</b> 10.8 ÷ 30Vdc ~ 10mA@12Vdc
<b>Weight</b>	< 200g

## Size and connections

Pin	Wire	LUX-A	LUX-B
1	White	Out +	Out +
2	Green	Out - (Gnd)	-
3	Grey	Gnd	-
4	Red	Vdc(12÷30V)	Vdc(12÷30V)



## Order code

<b>Sensor</b>	Illuminance sensor (Luxmeter)	LUX				
<b>Range</b>	a: 0.02 ÷ 2 klux b: 0.2 ÷ 20 klux c: 2 ÷ 200 klux	a b c				
<b>Output</b>	0÷10Vdc 4÷20mA RS485 / Modbus (MCS option)		A B C			
<b>Accessories</b>	CS05 – Cable 5m sensor-datalogger CS10 – Cable 10m sensor-datalogger CSxx – Cable xx* m length, sensor-datalogger – to be specified at order SSU – Sensor support L=700-750mm				05 10 xx	

\*Specify the length for no standard measures

example of order code

LUX b B 10 SSU