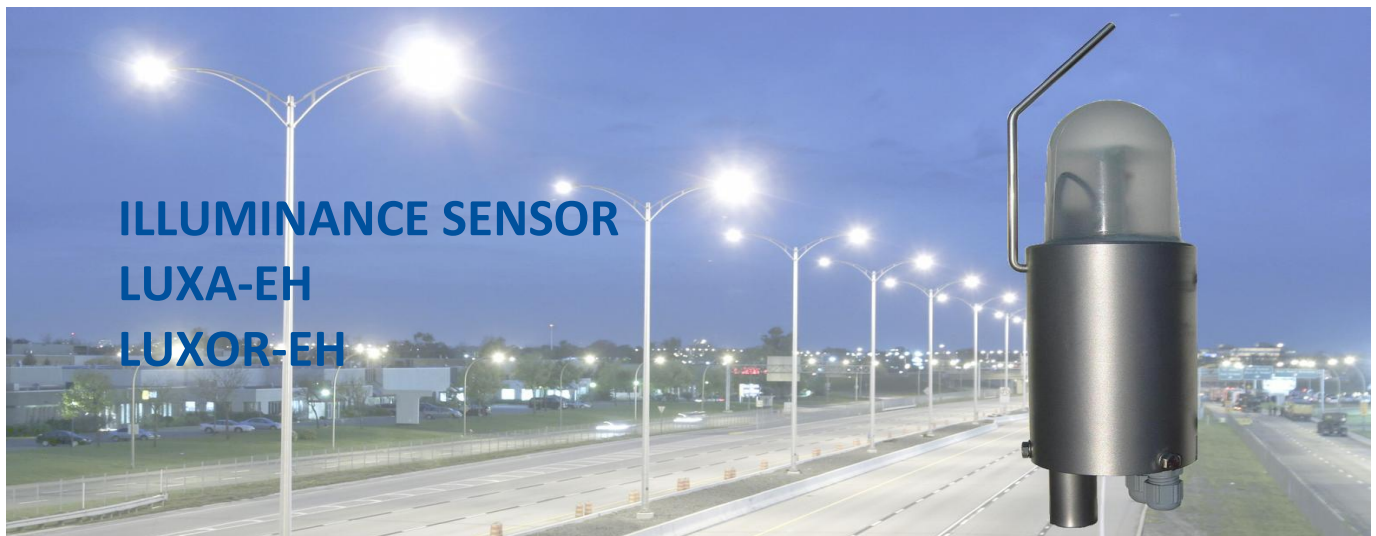




ILLUMINANCE SENSOR LUXA-EH LUXOR-EH

The illuminance sensor LUXA-EH / LUXOR-EH measures the horizontal illuminance for controlling lighting systems. It is available on request for different measuring ranges between 100 lux and 150,000 lux as required.

Horizontal measuring field

The illuminance is measured by a horizontally arranged photoelectric element adapted to the spectral sensitivity of the human eye and enclosed by a diffuser glass. This creates a horizontal measuring field with a detection angle of 180° in all directions.

Current or voltage signal

A long-term stable amplifier converts the signal into a linear output signal that is directly proportional to the measured illuminance.

The LUXA-EH version generates a current signal 4...20 mA. The LUXOR-EH version generates an output voltage of 0...10 V.

TECHNICAL DATA:



- Sensor for horizontal illuminance
- Long-term stable amplifier for high reliability
- Adapted to the spectral sensitivity of the human eye ($V(\lambda)$ correction according to CIE)
- Measuring range limit according to customer requirements, typically 0...100 lux, 0...1,000 lux or 0...100,000 lux
- Linear output signal 4...20 mA (LUXA-EH) or 0...10 V (LUXOR-EH)
- Regulated heater to prevent icing
- Dirt-repellent glass diffuser
- Robust stainless-steel housing



85 mm 235 mm

- Power supply 230 V AC, 50 Hz, 30 VA
- Measuring range limits: according to customer requirements between 100 lux and 150,000 lux
- Detection angle: horizontal 180°
- Output: 4...20 mA / $<500 \Omega$ or 0...10 V / $>1 \text{ k}\Omega$
- Interference protection: varistor, fine fuse, suppressor diode
- Connection: screw terminals 0.5...2.5 mm²
- Housing: stainless steel V4A (1.4571) and glass
- Cable entry for diameter 4...10 mm
- Mounting: screw base with M10 screw
- Protection rating: IP 65
- Weight: 1.35 kg