



ILLUMINANCE-SENSOR LUXA-EH LUXOR-EH

The Illuminance-Sensor LUXA-EH / LUXOR-EH covers horizontal illuminance to control lighting devices. It is available for various measuring ranges from 100 Lux up to 150'000 Lux, depending on customer's needs.

Horizontal measuring field

The illuminance is measured by a horizontally mounted silicon photo diode, which is adjusted to the spectral sensitivity of the human eye. It is covered by a glass diffuser. This results in a horizontal measuring field with an covered angle of 180° in all directions.

Current- or voltage-output

A long-term stable amplifier processes the photo current to a linear output signal which is strictly proportional to the illuminance measured. The variant LUXA-EH generates a current-output 4...20 mA. The variant LUXOR-EH generates a voltage-output 0...10 V



- Sensor for horizontal illuminance
- Long-term stable amplifier guarantees high reliability
- Adjusted to the spectral sensitivity of the human eye (V(λ)-filtering analogous to CIE spectral luminous efficiency)
- Upper full scale according to customer's needs, 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 radiator prevents icicles
- Staining-protected glass diffuser, protective cover
- Sturdy housing made of stainless steel

TECHNICAL SPECIFICATIONS:



- Voltage supply 230 V AC, 50 Hz, 30 VA
- Upper full scale: according to customer's needs between 100 Lux and 150'000 Lux
- View angle: 180°horizontal
- Output: 4...20 mA / <math><500 \Omega</math> or 0...10 V / >math>>1k\Omega</math>
- Interference control: Varistor, micro fuse, suppressing diode
- Connector: Screw terminals 0,5...2,5 mm²
- Housing: Stainless steel V4A (1.4571) and glass
- Cable gland for diameters 4...10 mm
- Mounting bracket with bore hole 10 mm
- Protection class: IP 65
- Weight: 1.35 kg