



LUMINANCE SENSOR LUCAS

The LUMINANCE-LUCAS [L20] receives the measuring field via a fixed visual field angle of 20°. The visual field angle of 20° receives over an diaphragm with cascadeapertur. A diopter sight is used for adjusting the camera. It is not possible to attach masks.

SURROUND-LUMINANCE

The LUMINANCE-LUCAS [Lo] receives the mean luminance of the tunnel outdoor (visual field) as nominal value from the stopping distance via a fixed visual field angle of 20°.

ROADWAY LUMINANCE [LTH]

The LUMINANCE-LUCAS [Lth] is used as a sensor for the actual value for control systems (comparison actual value / nominal value) to receive the threshold zone luminance on the roadway. In this case the visual field of the SENSOR is directed to the roadway.



- Sensor for outdoor (Lo), threshold zone (Lth) and interior zone (Li)
- Measuring mode: Integrale luminance CIE-L20
- Longtime stable amplifier of high reliability converts
- With a spectral sensitivity adapted to the human eye.
- Continously controlled heating against icicles and clouding-over of the viewing window.
- Viewing window is largely protected from soiling by a special diaphragm-ring using the jamming effect.

TECHNICAL DATA:

- Voltage supply: 230V AC \pm 10% 45...63 Hz 30VA
- Measuring modes: L20 according to CIE
- Measuring end value: 25 / 250 / 500 / 1000 cd/m²
- Visual field: 20°
- Output: 4...20mA / 250 Ohm
- Interference protection: Varistor, finefuse, suppressordiode
- Connection: insulation displacement connection 0,5...2,5 mm²
- Casing: AISI 316L, protected by heat insulation
- Cable entry: 2 x M20 x 1,5
- Dimensions: 155 x 110 x 280 (HxBxT) mm
- Weight: 2,5 kg
- Rating: IP65
- Range of temperature: -30° ... +70°C