

LUMINANCE-SENSOR LUCI L20



L₂₀-luminance-sensors measure the average luminance of the tunnel entrance from the stopping sight distance as a target value for the lighting control.

LUCI L20

By means of an adjustable angle of view (13 - 30°), the measuring field can be precisely adapted on site to assembly locations that may also be outside of the stopping sight distance.

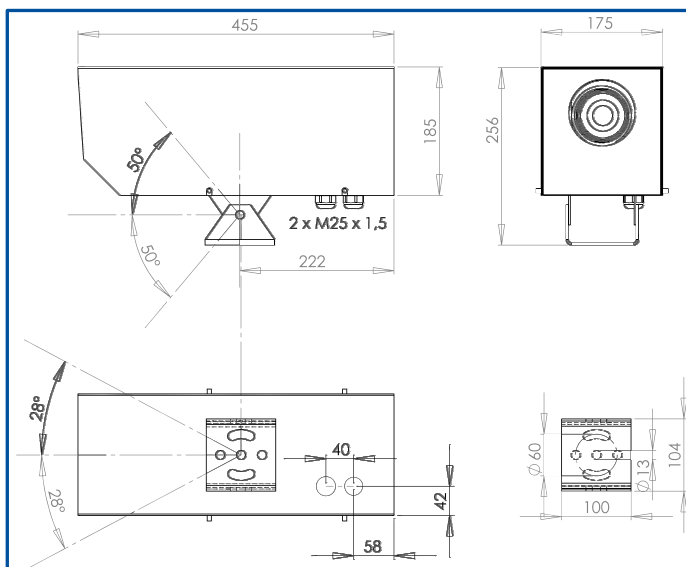
Mounting brackets for pole mounting (TRALUCI/EM) and for wall mounting (TRALUCI/CE) in stainless steel 1.4571 (V4A) are available as accessories.

The TRALUCI/EM mounting brackets can be supplied as standard with clamps and fastening sets for different mast diameters in widths of 80 - 140 mm. Special dimensions are possible on request.



- L₂₀-Luminance-sensors for tunnel entrance
- Measurement method: Integral luminance according to CIE-L₂₀ and RABT (EABT) / DIN 67524
- Long-term stable amplifier of high reliability
- Zoom optics for adjusting the field of view
- Precise adaptation to the spectral sensitivity of the human eye, $V(\lambda)$
- Electronically controlled heating against icing and fogging of the viewing window
- Effective protection of the viewing window against soiling by a special tube (backpressure effect)
- Fault indication via a potential-free contact in the event of temperature and signal errors
- Up to two separate measurement channels with separate measurement ranges (e.g. 0...1,000 and 0...10,000 cd/m²)

TECHNICAL DATA:



- Voltage supply: 230V AC $\pm 10\%$, 45...63Hz, 50VA
- Measuring mode: L₂₀-CIE, RABT (EABT) and DIN 67524
- Measuring range: 0...10,000cd/m² (up to 2 channels)
- Angle of view: 13...30° variable adjustable on site
- Output: 4...20mA / max. load resistance 250 Ω
- Protection: Microfuse, varistor, suppressor diode
- Connection: Push in clamps 0.5...2.5mm², maintenance free
- Housing: Stainless steel 1.4571 (AISI 316Ti), requirement class I according to German. ZTV-Ing. Part 5, Section 4, double walled and lagged
- Cable bushing: 2 x M25 x 1.5 (cable diameter 10...15mm)
- Dimensions (H x W x L): 185 x 175 x 455mm
- Weight: 9.5kg
- Protection class: IP65