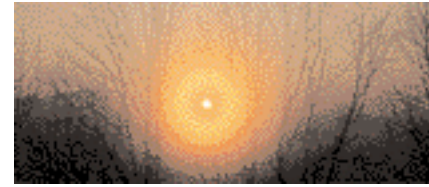


## L I G H T   S E N S O R

### Solar Cell Technology



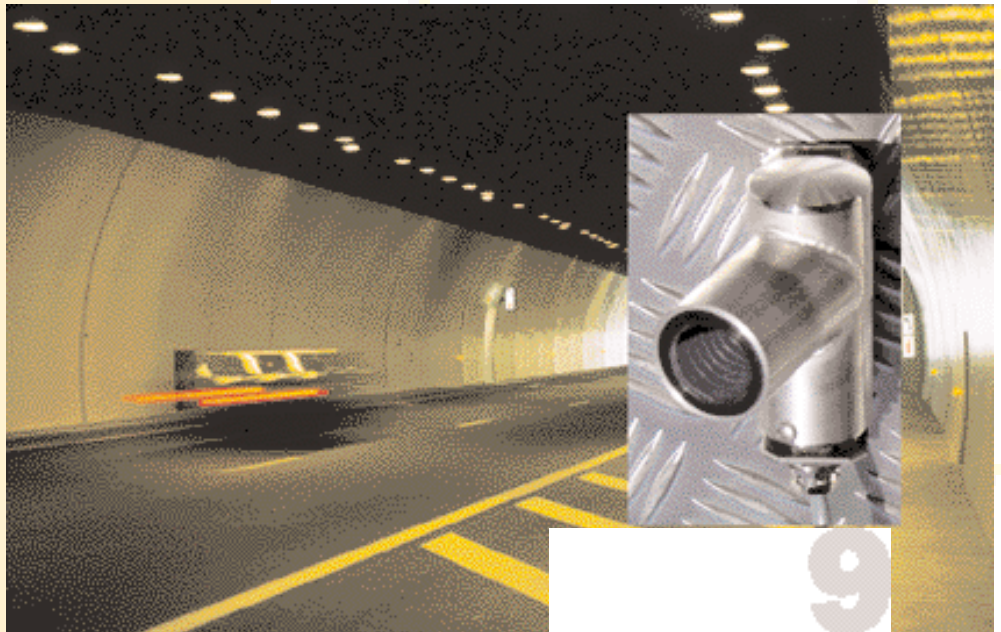
### LUT 9

The LUT 9 measures luminance at the entrance of tunnels. **It adjusts the illumination levels under natural lighting conditions** and guarantees maximum safety to drivers, all the while avoiding the **“black hole” phenomenon** – even on the sunniest of days.

The **LUT 9** luminancemeter is placed at a sufficient distance from and facing the tunnel entrance (for example, 100 meters).

With a measuring range of 20°, **it analyzes the central - and most important part - of the driver’s visual field** in the tunnel’s approach zone.

It provides analog information (4 to 20 mA) in proportion to the measured illumination.



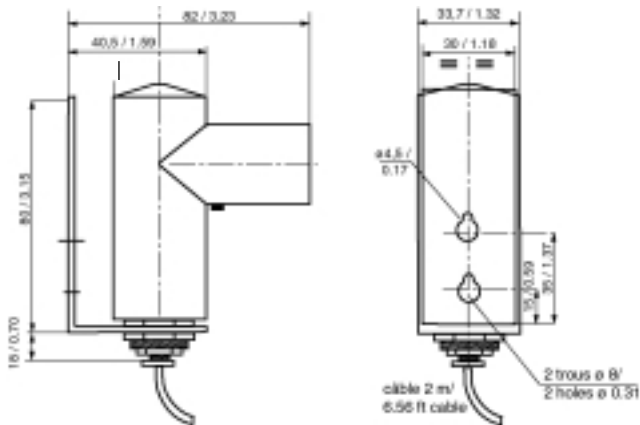
# 9

Light Sensor with analog output.

### APPLICATION

Tunnel illumination control

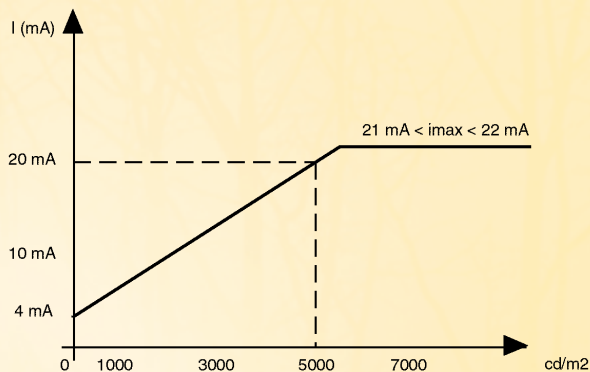
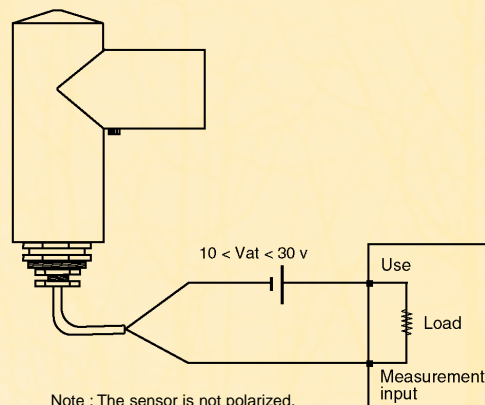
## WIRING DIAGRAM



## CURRENT LIMITATION

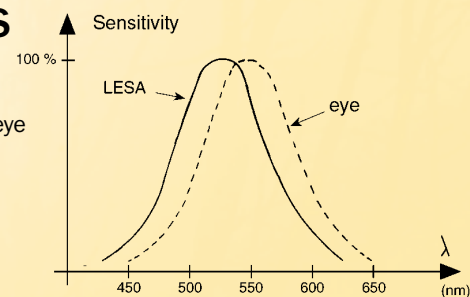
Full-scale luminance:  $\text{cd/m}^2$

## LOAD MONITORING



## TECHNICAL SPECIFICATIONS

- Luminance measurement:  $20^\circ$  angle
- Linearity: better than 1%
- Spectral sensitivity: close to that of the human eye
- Sensor 2 wires not polarized
- Power supply voltage: 10 to 30 Vdc
- Operating temperature:  $-30^\circ$  to  $+60^\circ$
- Storage temperature:  $-55^\circ$  to  $+80^\circ$
- Sealing: IP 67
- Stainless steel casing
- Connection: by 4 m cable ( 2 x 0.4  $\text{mm}^2$ )
- Mounting: by square (for 4 mm diameter screws)



## ORDERING INFORMATION

■ Luminancemeter

FF - LUT 9

Assistance technical assistance

↔ Tel. (0)4 76 41 72 33

"Due to changes in standards and materials, we cannot be bound by the specifications and images contained within this document until after confirmation of our services."  
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