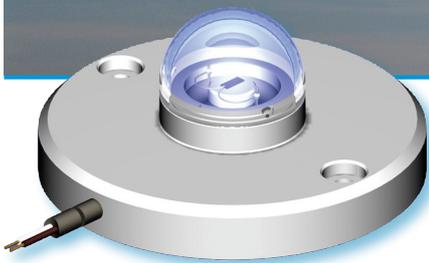


# Meteo M&R

## lux measurement



## lux measurement LS, 8LT-5 & 8LA-5

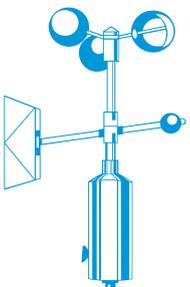


LS LUX SENSOR

8LT-5 LUX TRANSMITTER

8LA-5 LUX ALARM

LS luxsensor, 8LT-5 luxtransmitter and 8LA-5 luxalarm are an excellent combination for lux measuring or alarm systems. Applications are control of light intensity, sun blinds or the measurement of sunshine intensity.

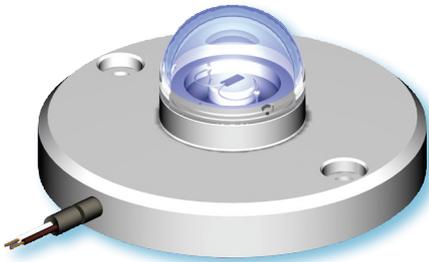


ingenieursbureau **wittich & visser**

scientific and meteorological instruments

# lux measurement

## Lux sensor LS



Sensor for indoor and outdoor light intensity measurements. The sensor uses a silicon photovoltaic cell and is sensitive for wavelengths between 400 and 1100 nm.

Optional: Cube for mounting 4 lux sensors. For sunblinds control or solar energy measurements for heating control.

### TECHNICAL SPECIFICATIONS

measuring principle	photovoltaic element sensitive in the wave length of from 400 nm (violet) to 1100 nm (near infrared) most sensitive at 850 nm
measuring range	0..100.000 lux
connection	with 5 meter cable (2 x 0.14 mm <sup>2</sup> shielded)
housing	IP-67



lux cube with 4 sensors

## Lux transmitter 8LT-5



The lux transmitter 8LT-5 (together with sensor LS) is a measuring system for illumination. The analogue output signals in current and voltage are proportional to the illumination. The standard measuring range is 0..20.000 lux and can be adjusted by Wittich & Visser on request to values ranging from 0..500 to 0..100 000 lux.

### TECHNICAL SPECIFICATIONS

power supply	230 VAC, 50/60 Hz, 3,2 VA with short-circuit resistance VDE 0551, (other voltages on request)	
current output	8LT-5	4..20 mA max. external resistance is 500 W potential free contact
	8LA-5	switch over contact (SPDT) for max. 250 VAC, 8A non inductive alarm
integration time	8LA-5	adjustable between 0..100.000 lux
	8LA-5	time delays incorporated in the switch-over relay: delay-on 2 minutes; delay-off 4..9.5 minutes
voltage output	0..10 VDC (8LT-5 and 8LA-5) 0 is at the mass, minimal external resistance is 1000 Ohm the short-circuit resistance of the output is unlimited	
measuring range	0..20.000 lux deviating ranges on request (0..500 and 0..100.000 lux)	
dimensions	52 x 112 x 108 mm	

### APPLICATIONS

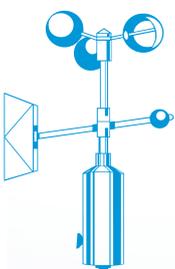
- control of light intensity in offices, greenhouses or factories
- measuring sunshine intensity on outside walls of buildings
- sun blind control of buildings and greenhouses

## Luxalarm 8LA-5



The lux alarm 8LA-5 (together with sensor LS) is an alarm system for illumination. The 8LA-5 is a signal converter with an adjustable switch-over contact with time delays for switching on and off.

made to measure



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