



LUTM-UP81162P

LUTM

LUMINESCENCE SENSORS

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
LUTM-UP81162P	1067295

Other models and accessories → www.sick.com/LUTM



Detailed technical data

Features

Dimensions (W x H x D)	12 mm x 31.5 mm x 21 mm
Sensing distance	12.5 mm ¹⁾
Housing design (light emission)	Rectangular
Operating range	8 mm ... 20 mm
Light source	LED, Ultraviolet light ²⁾
Wave length	370 nm
Light emission	Long side
Light spot size	2 mm x 2.5 mm ³⁾
Light spot direction	Vertical
Receiving range	450 nm ... 750 nm
Adjustment	Teach-in button
Teach-in mode	2-point teach-in static/dynamic
Output function	Light/dark switching ⁴⁾

¹⁾ From front edge of lens.

²⁾ Average service life: 100,000 h at T_U = +25 °C.

³⁾ At sensing distance.

⁴⁾ L/D switching via teach-in.

Mechanics/electronics

Supply voltage	12 V DC ... 24 V DC ¹⁾
Ripple	≤ 5 V _{pp} ²⁾

¹⁾ Limit values: DC 12 V (-10 %) ... DC 24 V (+20 %). Operation in short-circuit protected network max. 8 A.

²⁾ May not exceed or fall below U_v tolerances.

³⁾ Without load.

⁴⁾ With light/dark ratio 1:1.

⁵⁾ Signal transit time with resistive load.

⁶⁾ At supply voltage > 24 V, I_{max} = 30 mA. I_{max} is consumption count of all Q_N.