

Technical data sheet

Illumination

Part no.: 50148131

IL SP 021/014 300

Contents

- Technical data
- Dimensioned drawings
- Electrical connection
- Operation and display
- Notes
- Accessories



For illustration purposes only



Technical data

Basic data

Type	LED spotlight
Suitable for	IVS 1000i & DCR 1000i

Functions

Functions	Integrated power control
	Triggered operation

Optical data

Light source	LED, Red
Wavelength	634 nm
Transmitted-signal shape	Pulsed
LED group	Exempt group (in acc. with EN 62471)
Opening angle, max.	14 °

Electrical data

Performance data	
Supply voltage U _B	18 ... 30 V, DC
Power consumption, max.	3.4 W, at 24 V DC
Inputs	
Number of digital switching inputs	1 Piece(s)
Switching inputs	
Voltage type	DC
Switching voltage	Trigger high 3,3 ... 30,0 V (high) / < 2,8V (low)
Digital switching input 1	
Function	Trigger

Connection

Number of connections	1 Piece(s)
Connection 1	
Function	Trigger
	Voltage supply
Type of connection	Cable with connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	3 -pin
Encoding	A-coded

Mechanical data

Design	Cubic
Dimension (W x H x L)	30 mm x 32 mm x 60 mm
Housing material	Metal
Metal housing	Aluminium, anodized
Plastic housing	PC
Lens cover material	Plastic / PMMA
Net weight	110 g
Housing color	Black
Type of fastening	Mounting thread
	Via optional mounting device

Operation and display

Type of display	LED
Number of LEDs	1 Piece(s)

Environmental data

Ambient temperature, operation	0 ... 40 °C
Ambient temperature, storage	-20 ... 40 °C
Relative humidity (non-condensing)	90 %

Certifications

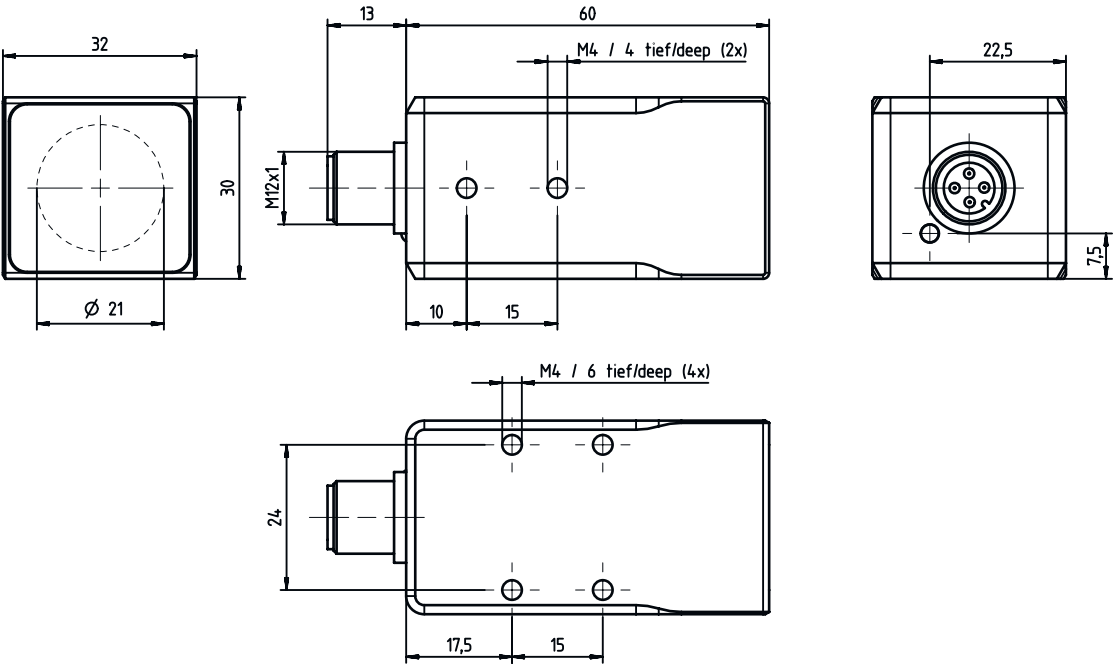
Degree of protection	IP 67
Protection class	III
Approvals	c UL US
Test procedure for continuous shock in accordance with standard	IEC 60068-2-29, test Eb
Test procedure for vibration in accordance with standard	IEC 60068-2-6, test Fc

Classification

Customs tariff number	85395100
ECLASS 5.1.4	27310204
ECLASS 8.0	27310204
ECLASS 9.0	27310204
ECLASS 10.0	27310204
ECLASS 11.0	27310204
ECLASS 12.0	27310204
ECLASS 13.0	27310204
ECLASS 14.0	27310204
ECLASS 15.0	27310204
ECLASS 16.0	27310204
ETIM 5.0	EC002498
ETIM 6.0	EC003015
ETIM 7.0	EC003015
ETIM 8.0	EC003015
ETIM 9.0	EC003015
ETIM 10.0	EC003015

Dimensioned drawings

All dimensions in millimeters

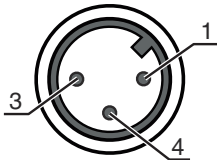


Electrical connection

Connection 1

Function	Trigger
Type of connection	Voltage supply
Cable length	Cable with connector
Thread size	300 mm
Type	M12
Material	Male
No. of pins	Metal
Encoding	3 -pin
	A-coded

Pin	Pin assignment
1	V+
3	GND
4	Trigger IN



Operation and display

LED	Display	Meaning
1	Green, continuous light	Ready

Notes



Observe intended use!



- ⚠ This product is not a safety sensor and is not intended as personnel protection.
- ⚠ The product may only be put into operation by competent persons.
- ⚠ Only use the product in accordance with its intended use.

Accessories

Connection technology - Connection cables

	Part no.	Designation	Article	Description
	50130638	KD U-M12-3A-V1-050	Connection cable	Application: Chemical resistant Connection 1: Connector, M12, Axial, Female, 3 -pin Connector, LED: No Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PVC
	50130679	KD U-M12-3W-V1-050	Connection cable	Application: Chemical resistant Connection 1: Connector, M12, Angled, Female, 3 -pin Connector, LED: No Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PVC

Mounting technology - Swivel mounts

	Part no.	Designation	Article	Description
	50148132	BTK IL SP 021	Mounting device	Fastening, at system: Screw type Mounting bracket, at device: Spherical head Material: Aluminum

Note



- ⚠ A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.