Lighting for Vision Systems
BAE LX-VS-HI050
Order Code: BAE00KR

BALLUFF

CE ☒ UK CA

Basic features

Approval/Conformity	CE
	UKCA
	WEEE
Operating mode	Normal (continuous operation)
Scope of delivery	Background light
Use	for Vision sensor BVS
Version	Background light

Display/Operation

Adjuster	no

Electrical connection

Cable length L	0.3 m
Conductor cross-section	0.34 mm²
Connection	M12x1-Male, 4-pin, A-coded
Connection type	Cable with connector, 0.3 m
Number of conductors	4
Polarity reversal protected	yes

Electrical data

Current draw max.	375 mA
Rated operating voltage Ue DC	24 V

Environmental conditions

Ambient temperature	-10...55 °C
IP rating	IP54

Functional safety

MTTF (40 °C)	309 a

Interface

Digital inputs	Trigger

Material

Housing material	Aluminium, anodized, black
	Glass, PMMA
Surface protection	anodized, black

Mechanical data

Dimension	80 x 9.5 x 105 mm
Mounting part	Threads

Optical features

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Beam angle	35 ° x 35 °
Illumination area	50 x 50 mm
LED group per IEC 62471	Risk group 1
Light type	LED infrared
Wave length	875 nm

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Remarks

Install the device so that no direct view of the light source is possible even during operation.

Overheating protection, shutdown at 65° C

For additional information, refer to user's guide.

Order accessories separately.

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Connector Drawings
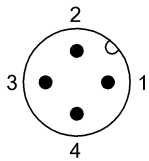
Wiring Diagrams
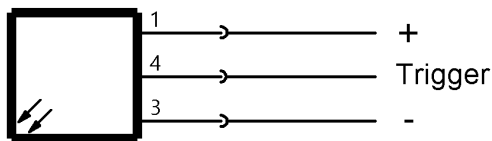
Warning Symbols

LED light– DO NOT LOOK INTO THE BEAM!

LED group per IEC 62471

Note: for IR radiation and in Boost mode,

use suitable shielding or eye protection.