

FÖGE

Industrial Equipments



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CE

Instruction Manual

Product: VL-BAR Series

Bar Light

1. Intended Use

VL-BAR Series Bar Light is designed for use in industrial areas. Purpose of the product is inspection of parts, code reading, OCR and other applications need to be illuminated directly or with angle. Light is positioned between part and camera..

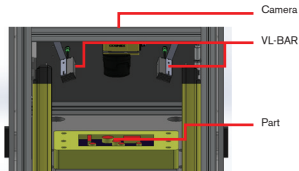
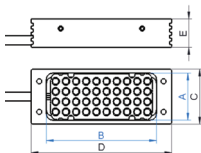
The system must be operated within the limits specified in technical data and used according to technical specifications as well as installation instructions. The system must be used in such a way that no person are in danger or machines and other material goods are damaged in the event of malfunction or total failure of the system. Take additional precautions for safety and damage prevention in case of safety related applications.

2. Technical Information

Model	Colour	Wavelength/ Colour Temperature	Power Supply	Power Consumption	IP Rating (Option: IP67)	Connection	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
VL-BAR-23-51-R-24-C30	R	660nm	24VDC	1.4W	IP50	M8 4 pin w 300mm cable	23	51	27	69	14
VL-BAR-23-51-W-24-C30	W	9000K	24VDC	2W	IP50	M8 4 pin w 300mm cable	23	51	27	69	14
VL-BAR-23-102-R-24-C30	R	660nm	24VDC	2.8W	IP50	M8 4 pin w 300mm cable	23	102	27	121	14
VL-BAR-23-102-W-24-C30	W	9000K	24VDC	4W	IP50	M8 4 pin w 300mm cable	23	102	27	121	14
VL-BAR-23-203-R-24-C30	R	660nm	24VDC	4W	IP50	M8 4 pin w 300mm cable	23	203	27	222	14
VL-BAR-23-203-W-24-C30	W	9000K	24VDC	8W	IP50	M8 4 pin w 300mm cable	23	203	27	222	14
VL-BAR-23-305-R-24-C30	R	660nm	24VDC	8W	IP50	M8 4 pin w 300mm cable	23	305	27	324	14
VL-BAR-23-305-W-24-C30	W	9000K	24VDC	12W	IP50	M8 4 pin w 300mm cable	23	305	27	324	14

3. Dimensions / Installation

System operation assumes knowledge of the assembly instructions. The symbols used for safety is shown in section 8(Safety) of manual.



Accessories

	Suitable Product	Ordering Code	Accessories Image
1	VL-BAR-23-51-W-24-C30	VL-BAR-8R-01	
2	VL-BAR-23-51-R-24-C30	VL-BAR-8R-01	
3	VL-BAR-23-102-W-24-C30	VL-BAR-8R-02	
4	VL-BAR-23-102-R-24-C30	VL-BAR-8R-02	
5	VL-BAR-23-203-W-24-C30	VL-BAR-8R-03	
6	VL-BAR-23-203-R-24-C30	VL-BAR-8R-03	
7	VL-BAR-23-305-W-24-C30	VL-BAR-8R-04	
8	VL-BAR-23-305-R-24-C30	VL-BAR-8R-04	



Dotpeen marked metal parts for OCR applications



OCR on pharmaceutical boxes, labels



Metal, plastic and other types of material positioning, quality check



Datamatrix code reading on metal part marked with laser



Label quality check, OCR, OCV



Laser marked metal, paper, plastic and other material OCR



Label code reading, OCR, label positioning on box



OCR on plastic parts marked with laser, part check



4. Electrical Connection

	Cable	Ordering Code	Drawing/Connection
1	M8 female 0° with cable PVC 4x0.25 bk UL/CSA 3m	7000-08061-6110300	
2	M8 female 0° with cable PVC 4x0.25 bk UL/CSA 5m	7000-08061-6110500	
3	M8 female 90° with cable PVC 4x0.25 bk UL/CSA 3m	7000-08101-6110300	
4	M8 female 90° with cable PVC 4x0.25 bk UL/CSA 5m	7000-08101-6110500	

5. Display/Controls

Product does not have this specification.

6. Faults

In any case do not open the product.  


If the leds not on check the connection and power supply.



If still leds are not on contact FÖGE or distributor.

7. Warnings

- Connect the power supply and the display/output device according to the safety regulations for electrical equipment.
- The supply voltage must not exceed the specified limits.
- Avoid shocks and impacts to the sensor.
- Protect the cable against damage.

Possible Results of Avoidance

Risk of injury by electric shock 

Damage to or destruction of the sensor  

8. Safety

System operation assumes knowledge of the assembly instructions. The following symbols are used in these assembly instructions:



Indicates a hazardous situation which, if not avoided, may result in minor or moderate injury.



Indicates a situation that may result in property damage if not avoided.



Indicates an electrical shock if not avoided or properly follow comments.

9. Liability for Material Defects

All components of the device have been checked and tested for functionality at the production facility. However, if defects occur despite our careful quality control, FÖGE or your dealer must be notified immediately.

The liability for material defects is 12 months from delivery.

Within this period, defective parts, except for wearing parts, will be repaired or replaced free of charge, if the device is returned to FÖGE with shipping costs prepaid. Any damage that is caused by improper handling, the use of force or by repairs or modifications by third parties is not covered by the liability for material defects. Repairs are carried out exclusively by FÖGE.

Further claims can not be made. Claims arising from the purchase contract remain unaffected. In particular, FÖGE shall not be liable for any consequential, special, indirect or incidental damage. In the interest of further development, FÖGE reserves the right to make design changes without notification.

10. Decommissioning, Disposal

Remove the power supply and output cable on the sensor.

Incorrect disposal may cause harm to the environment.

Dispose of the device, its components and accessories, as well as the packaging materials in compliance with the applicable country-specific waste treatment and disposal regulations of the region of use.