

# FÖGE

Industrial Equipments



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CE

## Instruction Manual

Product: VL-BAL Series

Long Bar Light

## 1. Intended Use

VL-BAL Series Long 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..

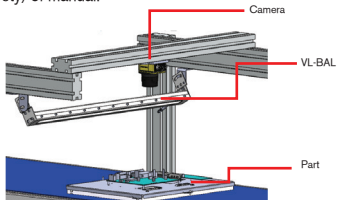
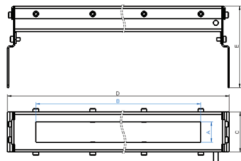
The system must be operated within the limits specified in technical data and used according to technical specifications as well as installation instructions. The system must be used in such a way that no person are in danger or machines and other material goods are damaged in the event of malfunction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

## 2. Technical Information

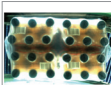
Model	Colour	Wavelength/ Color Temperature	Power Supply	Power Consumption	Connection	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
VL-BAL-25-400-R-24-C30	R	660nm	24VDC	11W	M8 4 pin w 300mm cable	25	400	49	455	100
VL-BAL-25-400-W-24-C30	W	9000K	24VDC	16W	M8 4 pin w 300mm cable	25	400	49	455	100
VL-BAL-25-500-R-24-C30	R	660nm	24VDC	14W	M8 4 pin w 300mm cable	25	500	49	555	100
VL-BAL-25-500-W-24-C30	W	9000K	24VDC	20W	M8 4 pin w 300mm cable	25	500	49	555	100
VL-BAL-25-600-R-24-C30	R	660nm	24VDC	16W	M8 4 pin w 300mm cable	25	600	49	655	100
VL-BAL-25-600-W-24-C30	W	9000K	24VDC	24W	M8 4 pin w 300mm cable	25	600	49	655	100
VL-BAL-25-700-R-24-C30	R	660nm	24VDC	19W	M8 4 pin w 300mm cable	25	700	49	755	100
VL-BAL-25-700-W-24-C30	W	9000K	24VDC	28W	M8 4 pin w 300mm cable	25	700	49	755	100
VL-BAL-25-800-R-24-C30	R	660nm	24VDC	22W	M8 4 pin w 300mm cable	25	800	49	855	100
VL-BAL-25-800-W-24-C30	W	9000K	24VDC	32W	M8 4 pin w 300mm cable	25	800	49	855	100
VL-BAL-25-900-R-24-C30	R	660nm	24VDC	24	M8 4 pin w 300mm cable	25	900	49	955	100
VL-BAL-25-900-W-24-C30	W	9000K	24VDC	36W	M8 4 pin w 300mm cable	25	900	49	955	100
VL-BAL-25-1000-R-24-C30	R	660nm	24VDC	27	M8 4 pin w 300mm cable	25	1000	49	1055	100
VL-BAL-25-1000-W-24-C30	W	9000K	24VDC	40W	M8 4 pin w 300mm cable	25	1000	49	1055	100
VL-BAL-25-1100-R-24-C30	R	660nm	24VDC	30	M8 4 pin w 300mm cable	25	1100	49	1155	100
VL-BAL-25-1100-W-24-C30	W	9000K	24VDC	44W	M8 4 pin w 300mm cable	25	1100	49	1155	100
VL-BAL-25-1300-R-24-C30	R	660nm	24VDC	35W	M8 4 pin w 300mm cable	25	1300	49	1355	100
VL-BAL-25-1300-W-24-C30	W	9000K	24VDC	52W	M8 4 pin w 300mm cable	25	1300	49	1355	100
VL-BAL-25-1500-R-24-C30	R	660nm	24VDC	40W	M8 4 pin w 300mm cable	25	1500	49	1555	100
VL-BAL-25-1500-W-24-C30	W	9000K	24VDC	60W	M8 4 pin w 300mm cable	25	1500	49	1555	100
VL-BAL-25-1700-R-24-C30	R	660nm	24VDC	46W	M8 4 pin w 300mm cable	25	1700	49	1755	100
VL-BAL-25-1700-W-24-C30	W	9000K	24VDC	68W	M8 4 pin w 300mm cable	25	1700	49	1755	100
VL-BAL-25-2000-R-24-C30	R	660nm	24VDC	53W	M8 4 pin w 300mm cable	25	2000	49	2055	100
VL-BAL-25-2000-W-24-C30	W	9000K	24VDC	80W	M8 4 pin w 300mm cable	25	2000	49	2055	100
VL-BAL-25-2500-R-24-C30	R	660nm	24VDC	65W	M8 4 pin w 300mm cable	25	2500	49	2555	100
VL-BAL-25-2500-W-24-C30	W	9000K	24VDC	100W	M8 4 pin w 300mm cable	25	2500	49	2555	100

### 3. Dimensions / Installation

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



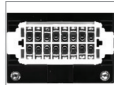
#### Sample Applications



Large area counting parts, cap counting, positioning



Large area linescan applications, washing machine drum



Part positioning, existence, angle checking



Large part positioning, orientation to robots, LCD panel



Color check, part assembling, positioning



Big metal part positioning, checking holes, classification



Diaper inspection, non woven inspection, web inspection



Part positioning, location on large bins



## 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.

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

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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.