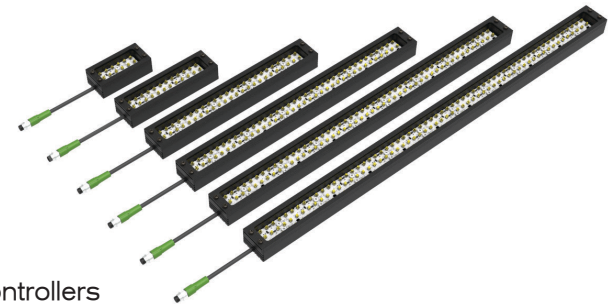
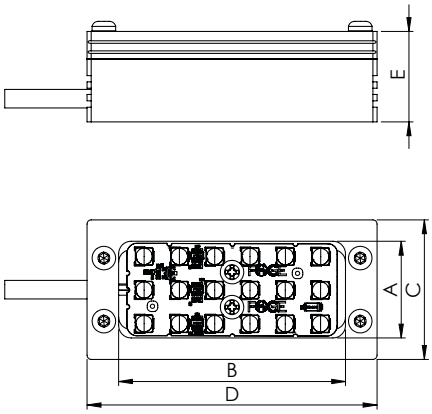
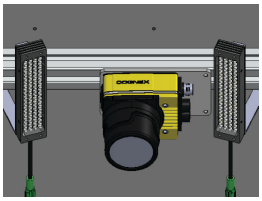
VL-BAR Compact Bar Light (51 to 505mm)

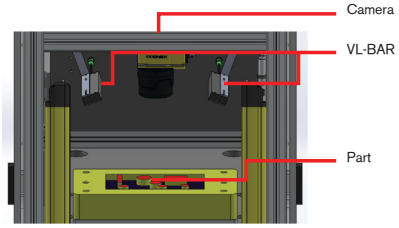
- Robust mechanical design
- Compact mechanical design
- Cooling grooves for higher lifetime
- Available in White, Red, Blue, and Green LED options
- Trigger input available for all LED colors
- Suitable for synchronized operation with cameras and controllers
- Available with transparent or frosted diffuser options





How to use

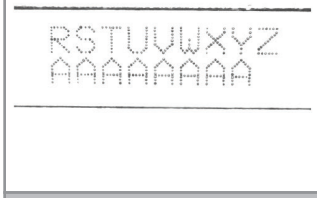




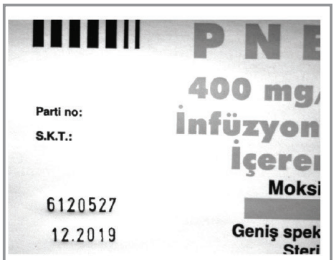
Product Types

Model	Color	Wavelength/ Color Temperature	Power Supply	Power Consumption	IP Rating (Option: IP67)	Connection	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Housing Material	Light Angle (º)
VL-BAR-23-51-R-24-C30	R	630nm	24VDC	2,16W	IP50	M8 4 pin w 300mm cable	23	54	33.2	69	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-51-W-24-C30	W	6500K	24VDC	1,71W	IP50	M8 4 pin w 300mm cable	23	54	33.2	69	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-51-B-24-C30	B	480nm	24VDC	1,37W	IP50	M8 4 pin w 300mm cable	23	54	33.2	69	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-51-G-24-C30	G	535nm	24VDC	2,05W	IP50	M8 4 pin w 300mm cable	23	54	33.2	69	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-102-R-24-C30	R	630nm	24VDC	4,32W	IP50	M8 4 pin w 300mm cable	23	104	33.2	121	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-102-W-24-C30	W	6500K	24VDC	3,42W	IP50	M8 4 pin w 300mm cable	23	104	33.2	121	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-102-B-24-C30	B	480nm	24VDC	2,73W	IP50	M8 4 pin w 300mm cable	23	104	33.2	121	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-102-G-24-C30	G	535nm	24VDC	4,10W	IP50	M8 4 pin w 300mm cable	23	104	33.2	121	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-203-R-24-C30	R	630nm	24VDC	8,64W	IP50	M8 4 pin w 300mm cable	23	203	33.2	222	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-203-W-24-C30	W	6500K	24VDC	6,84W	IP50	M8 4 pin w 300mm cable	23	203	33.2	222	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-203-B-24-C30	B	480nm	24VDC	5,47W	IP50	M8 4 pin w 300mm cable	23	203	33.2	222	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-203-G-24-C30	G	535nm	24VDC	8,20W	IP50	M8 4 pin w 300mm cable	23	203	33.2	222	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-305-R-24-C30	R	630nm	24VDC	12,96W	IP50	M8 4 pin w 300mm cable	23	305	33.2	324	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-305-W-24-C30	W	6500K	24VDC	10,26W	IP50	M8 4 pin w 300mm cable	23	305	33.2	324	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-305-B-24-C30	B	480nm	24VDC	8,20W	IP50	M8 4 pin w 300mm cable	23	305	33.2	324	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-305-G-24-C30	G	535nm	24VDC	12,31W	IP50	M8 4 pin w 300mm cable	23	305	33.2	324	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-405-R-24-C30	R	630nm	24VDC	17,28W	IP50	M8 4 pin w 300mm cable	23	405	33.2	424	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-405-W-24-C30	W	6500K	24VDC	13,68W	IP50	M8 4 pin w 300mm cable	23	405	33.2	424	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-405-B-24-C30	B	480nm	24VDC	10,94W	IP50	M8 4 pin w 300mm cable	23	405	33.2	424	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-405-G-24-C30	G	535nm	24VDC	16,42W	IP50	M8 4 pin w 300mm cable	23	405	33.2	424	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-505-R-24-C30	R	630nm	24VDC	21,60W	IP50	M8 4 pin w 300mm cable	23	505	33.2	524	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-505-W-24-C30	W	6500K	24VDC	17,10W	IP50	M8 4 pin w 300mm cable	23	505	33.2	524	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-505-B-24-C30	B	480nm	24VDC	13,68W	IP50	M8 4 pin w 300mm cable	23	505	33.2	524	21,5	Aluminum (Black, Anodized)	30°
VL-BAR-23-505-G-24-C30	G	535nm	24VDC	20,52W	IP50	M8 4 pin w 300mm cable	23	505	33.2	524	21,5	Aluminum (Black, Anodized)	30°

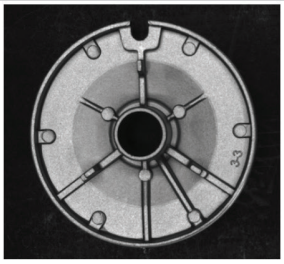
Sample Applications



Dot peen marked metal parts for OCR applications



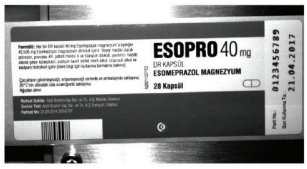
OCR on pharmaceutical boxes, labels



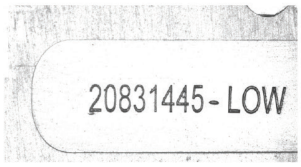
Metal, plastic and other types of material positioning, quality check



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



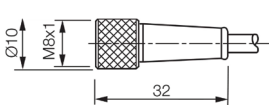
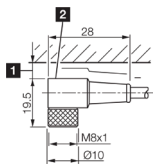
OCR on plastic parts marked with laser, part check

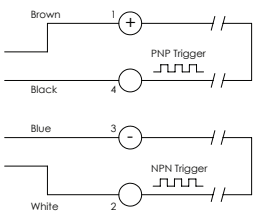
Accessories

	Suitable Product	Ordering Code	Accessories Image
1	VL-BAR-23-51-R-24-C30	FG-AC-0052	
2	VL-BAR-23-51-W-24-C30		
3	VL-BAR-23-51-B-24-C30		
4	VL-BAR-23-51-G-24-C30		
5	VL-BAR-23-102-R-24-C30	FG-AC-0053	
6	VL-BAR-23-102-W-24-C30		
7	VL-BAR-23-102-B-24-C30		
8	VL-BAR-23-102-G-24-C30		
9	VL-BAR-23-203-R-24-C30	FG-AC-0054	Frosted Diffuser
10	VL-BAR-23-203-W-24-C30		
11	VL-BAR-23-203-B-24-C30		
12	VL-BAR-23-203-G-24-C30		

	Suitable Product	Ordering Code	Accessories Image
13	VL-BAR-23-305-R-24-C30	FG-AC-0055	
14	VL-BAR-23-305-W-24-C30		
15	VL-BAR-23-305-B-24-C30		
16	VL-BAR-23-305-G-24-C30		
17	VL-BAR-23-405-R-24-C30	FG-AC-0056	
18	VL-BAR-23-405-W-24-C30		
19	VL-BAR-23-405-B-24-C30		
20	VL-BAR-23-405-G-24-C30		
21	VL-BAR-23-505-R-24-C30	FG-AC-0057	Frosted Diffuser
22	VL-BAR-23-505-W-24-C30		
23	VL-BAR-23-505-B-24-C30		
24	VL-BAR-23-505-G-24-C30		

Electrical Connection

Cable	Ordering Code	Drawing/Connection
M8 female 0° with cable PVC 4x0.25 bk UL/CSA 2.5m	TKPM-Z-2.5/4	
M8 female 0° with cable PVC 4x0.25 bk UL/CSA 4m	TKPM-Z-5/4	
M8 female 90° with cable PVC 4x0.25 bk UL/CSA 2.5m	TKPM-W-2.5/4	
M8 female 90° with cable PVC 4x0.25 bk UL/CSA 4m	TKPM-W-5/4	



For proper light function, apply either a PNP or NPN signal, not both.

Failure to supply light with correct input current will result in inconsistent lighting behavior.
(see Product Specifications for requirements)

Pins	Function	Wire Color
1	Power In +24VDC	BROWN
2	NPN	WHITE
3	GND	BLUE
4	PNP	BLACK