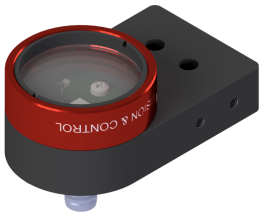
Vision & Control GmbH
Phone: +49 36 81 / 79 74 11
www.vision-control.com

vicolux® Spot Light - SLB-500-IR850-P-24V

Short description: compact spot light, IR850, P-LED, variable work distance, basic version, 24V, switchable

Order number: 1-33-332

EAN: 4251692648292



Characteristics

- efficient LED spot lighting without condensor optics (floodlights)
- compact, thermally optimized design
- high light output with wide beam angle, excellently suited e.g. for area illumination
- high uniformity in light distribution
- the pronounced mounting surface enables optimum heat dissipation
- robust, without movable adjustment elements
- the high light intensity as well as the optical design allow the use also at variable working distance
- 24V: continuous and pulse operation
- also available as flashable high-power variant
- developed for the requirements of industrial image processing

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Technical data

Beam angle	110°
Luminous field diameter [1]	570 mm
Light colour (typ.)	Infrared, 850 nm
Operating mode	Continuous operation Switching operation
Operation voltage	24 VDC (19 - 29 V)
Power consumption	max. 3.5 W
Continuous operation	
• Irradiance [1]	4.8 W/m^2
• Illuminance [1]	-
• Radiance [2]	41.3 kW/m^{2}sr
• luminance [2]	-
Housing material	Aluminium, black anodised
Optical material	Glass
Filter thread	M28 x 0.5
Weight	58 g
Degree of protection	IP 50
Safety class	Class III, safety extra low voltage (SELV)
Risk group (DIN EN 62471)	Risk group 0 (exempt group)
Ambient temperature	-10 °C bis +45 °C
[1] at 200 mm working distance	
[2] at 11 mrad	

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Accessories for Spot lights - SLB-500-IR850-P-24V

Order number	Title	Description
Connection cable M8-4pin		
1-11-611	Cable-M8-4p-5A-straight-1m	4x0.5mm², 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-612	Cable-M8-4p-5A-straight-2m	4x0.5mm², 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-613	Cable-M8-4p-5A-straight-3m	4x0.5mm², 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-614	Cable-M8-4p-5A-straight-5m	4x0.5mm², 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-609	Cable-M8-4p-4A-straight-5m	4x0.25mm², 4A, 60V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-607	Cable-M8-4p-4A-straight-10m	4x0.25mm², 4A, 60V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-605	Cable-M8-4p-4A-angled-2m	4x0.25mm², 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end
1-11-604	Cable-M8-4p-4A-angled-5m	4x0.25mm², 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end
1-11-606	Cable-M8-4p-4A-angled-10m	4x0.25mm², 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end
Extension cable M8-4pin		
1-11-093	Extension cable-M8-4p-5A-0.6m	4x0.5mm², 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug
1-11-094	Extension cable-M8-4p-5A-1.5m	4x0.5mm², 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug
1-11-095	Extension cable-M8-4p-5A-3.0m	4x0.5mm², 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug
Power supply		
4-40-218	Power supply 24V-120W-5A	for DIN rail mounting, without connection cable, type: SDR-120-24

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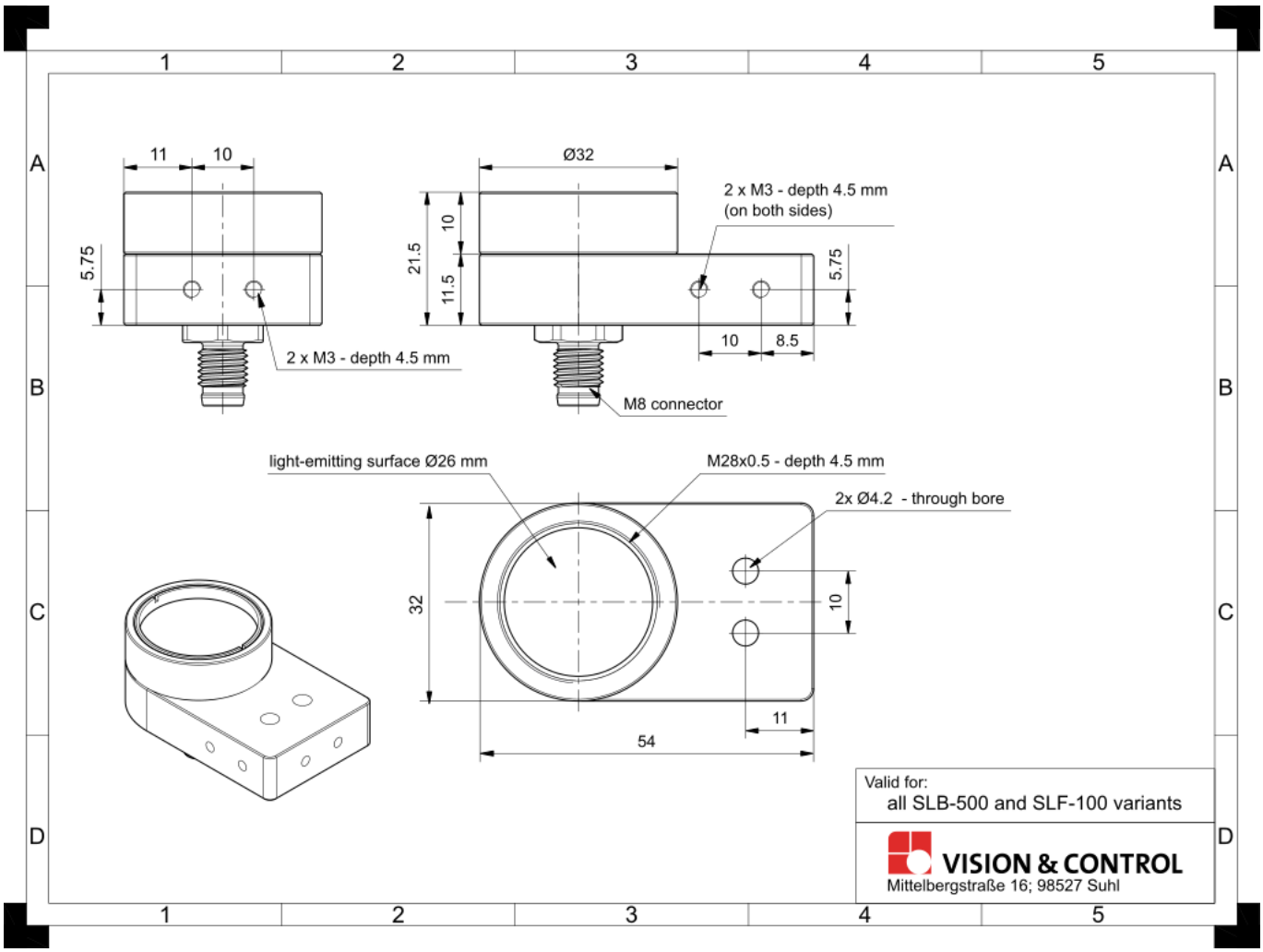
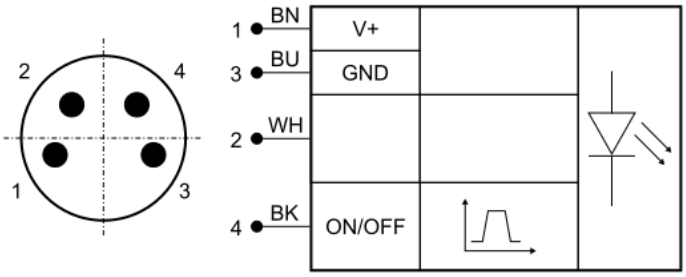
Drawings



Dimensional drawing in mm



Pin	Core colour	Signal	Description
1	BN (brown)	V+	Operating voltage
2	WH (white)	NC	Do not use
3	BU (blue)	GND	Ground
4	BK (black)	ON/OFF	Switch input

Pin assignment: M8 connector