Vision & Control GmbH
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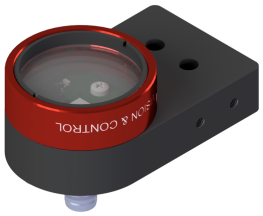
# vicolux® Spot Light - SLB-500-UV365-P-24V

**Short description:** compact spot light, UV365, P-LED, variable work distance, basic version, 24V, switchable

**Order number:** 1-33-335

**EAN:** 4251692648377



## 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.) | Ultraviolet, 365 nm |
| Operating mode | Continuous operation<br>Switching operation |
| Operation voltage | 24 VDC (19 - 29 V) |
| Power consumption | max. 3.5 W |
| **Continuous operation** | |
| • Irradiance [1] | 7.2 W/m$^2$ |
| • Illuminance [1] | - |
| • Radiance [2] | 73.7 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 | III, Sicherheitskleinspannung (SELV) |
| Risk group (DIN EN 62471) | Risikogruppe 3 |
| 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-UV365-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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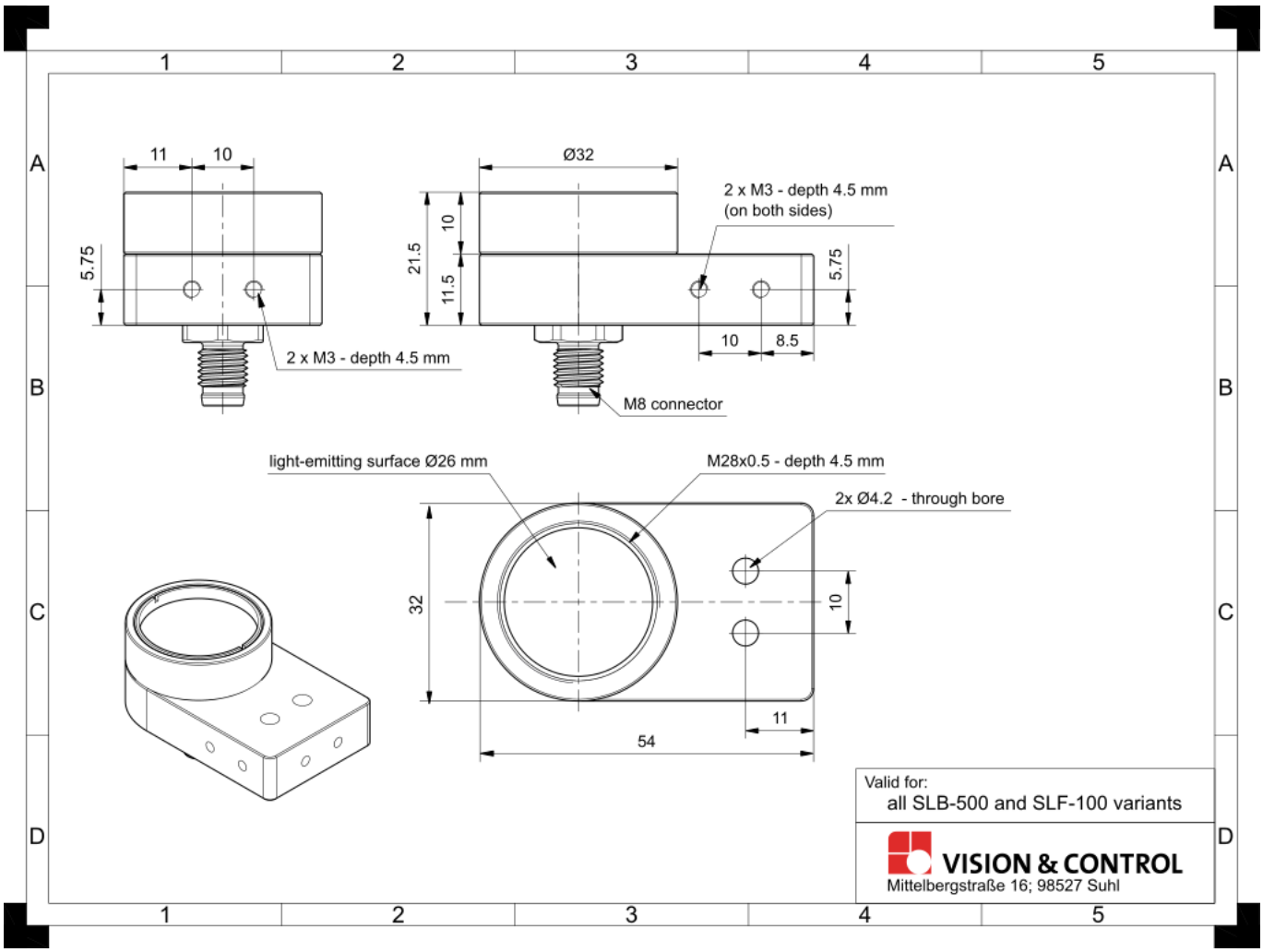
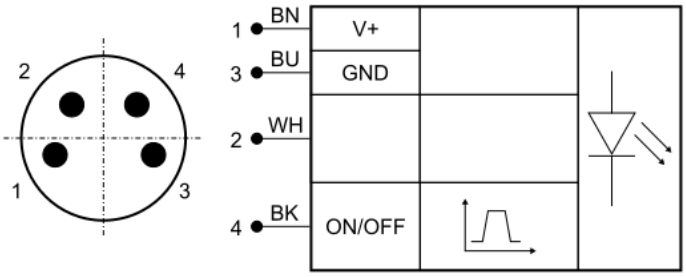
## Drawings




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