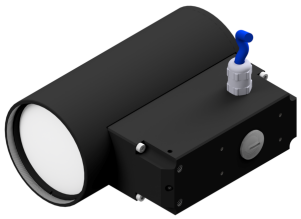
Vision & Control GmbH
Phone: +49 36 81 / 79 74 11
www.vision-control.com

# vicolux® Telecentric Light - TZB60-W5K7-24V

**Short description:** telecentric light, white, lf diameter: 60 mm, static, cable open-ended

**Order number:** 1-10-176

**EAN:** 4251692646144



## Characteristics

- telecentric LED lighting - parallel (collimated) beam path
- ideal as backlight in combination with telecentric lenses
- for the targeted highlighting of edges and surface structures as well as for the detection of inclusions and defects in transparent materials
- lighting controller integrated in the housing - brightness adjustable
- connection: cable with M8 connector
- diverse attachment options and extensive accessories

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

## Technical data

| | |
|---|---|
| Light-emitting surface | Diameter: 60 mm |
| Light design | Telecentric |
| Light colour (typ.) | White, 5700 K |
| Luminous flux (typ.) | 35 mlm |
| Operating mode | Switchable continuous operation |
| Special feature | Brightness setting manually on the potentiometer |
| Operation voltage | 24 VDC (10 - 30 V) |
| Power consumption | max. 3.6 W (150 mA at 24 VDC) |
| Housing material | Aluminium, black anodised |
| Optical material | Glass |
| Filter thread | M67 x 0.75 - depth 4 mm |
| Weight | 930 g |
| Degree of protection | IP50 |
| Safety class | Class III, safety extra low voltage (SELV) |
| Risk group (DIN EN 62471) | Freie Gruppe |
| Ambient temperature | -10 °C bis +45 °C |
| **Cable** | |
| Cable length | 1,500 mm |
| Cable diameter | 6.5 mm |
| Cable structure | 4 x 0.25 mm² and 3 x 0.5 mm² |
| Drag chain suitable | yes |

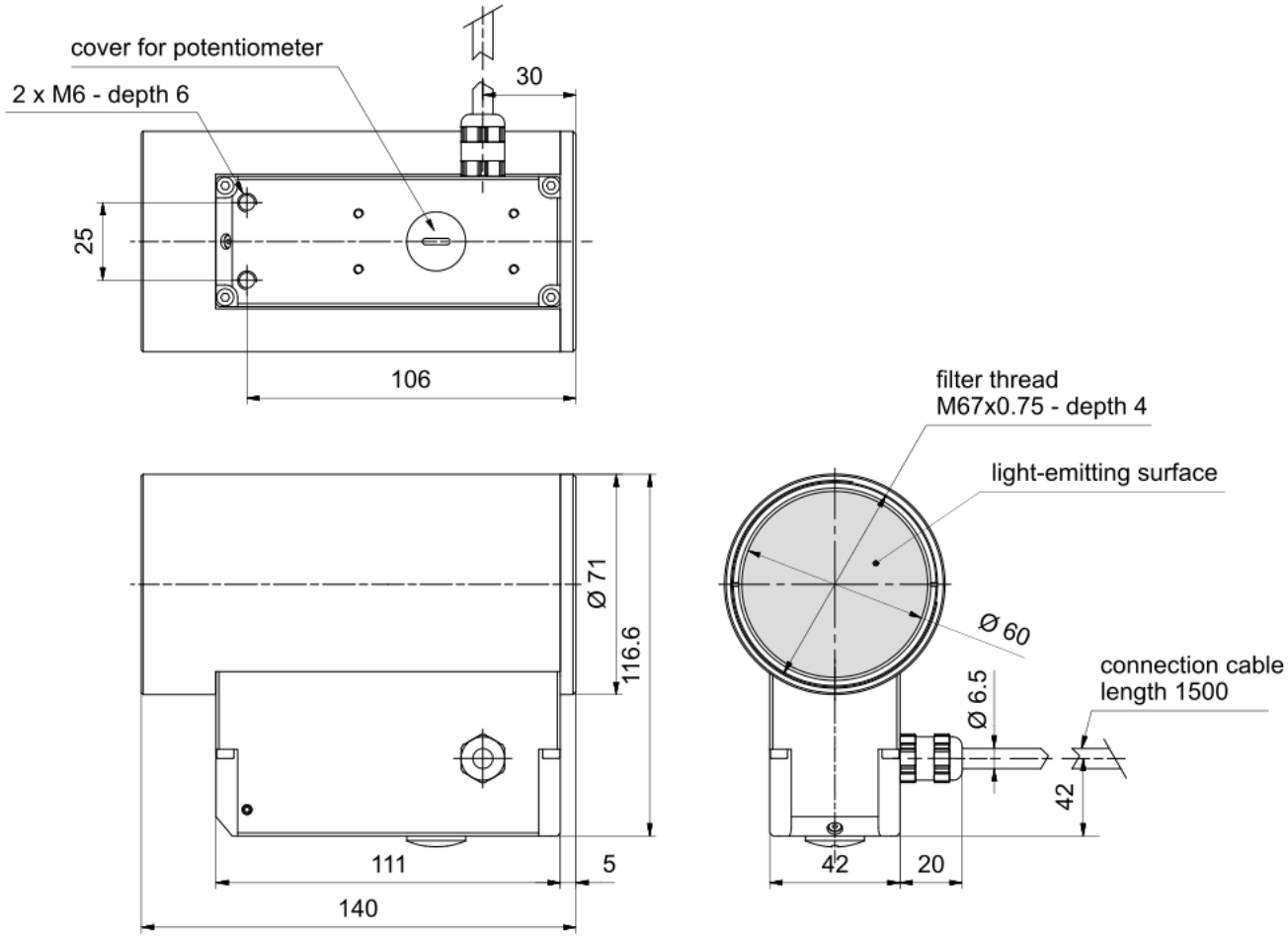
Vision & Control GmbH
Phone: +49 36 81 / 79 74 11
www.vision-control.com

# Accessories for Telecentric lights - TZB60-W5K7-24V

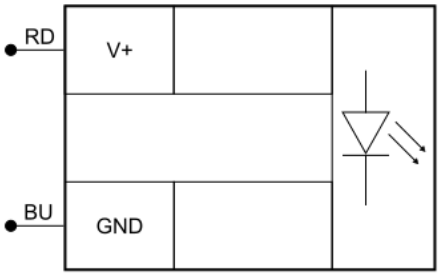
| Order number | Title | Description |
|---|---|---|
| ***Polarising filters*** | | |
| 2-91-145 | Pole filter M67x0.75 | linear polarizing filter, range 420 nm - 780 nm, filter thread M67x0.75 |
| ***Deflection mirrow 90° series*** | | |
| 2-25-124 | Deflection mirror 90-71 | 90° deflection, attachment for telecentric lenses and lightings with d = 71 mm |

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

## Drawings




Dimensional drawing in mm




| Core colour | Signal | Description |
|---|---|---|
| RD (red) | V+ | Operating voltage |
| BU (blue) | GND | Ground |

Pin assignment: cable open, 2-core