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## vicolux® Telecentric Light - TZB51-B470/UDC/-a

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**Short description:** telecentric light, blue, If diameter: 49 mm,  
flashable by flash controller

**Order number:** 1-10-941

**EAN:** 4251692646410



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### Characteristics

- flashable 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
  - connection: cable with M8 connector
  - diverse attachment options and extensive accessories
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## Technical data

Light-emitting surface	Diameter: 49 mm
Light design	Telecentric
Light colour (typ.)	Blue, 470 nm
Special feature	Flashable max. 0,5 ms und 15% on-time
Continuous current ( $I_{LED}$ )	max. 30 mA
Pulse mode	$2 \times I_{LED}$
Flash mode	$5 \times I_{LED}$
Housing material	Aluminium, black anodised
Optical material	Glass
Filter thread	M52 x 0.75 - depth 6 mm
Weight	530 g
Degree of protection	IP50
Safety class	Class III, safety extra low voltage (SELV)
Risk group (DIN EN 62471)	Freie Gruppe
Ambient temperature	0 °C ... 45 °C

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## Notices

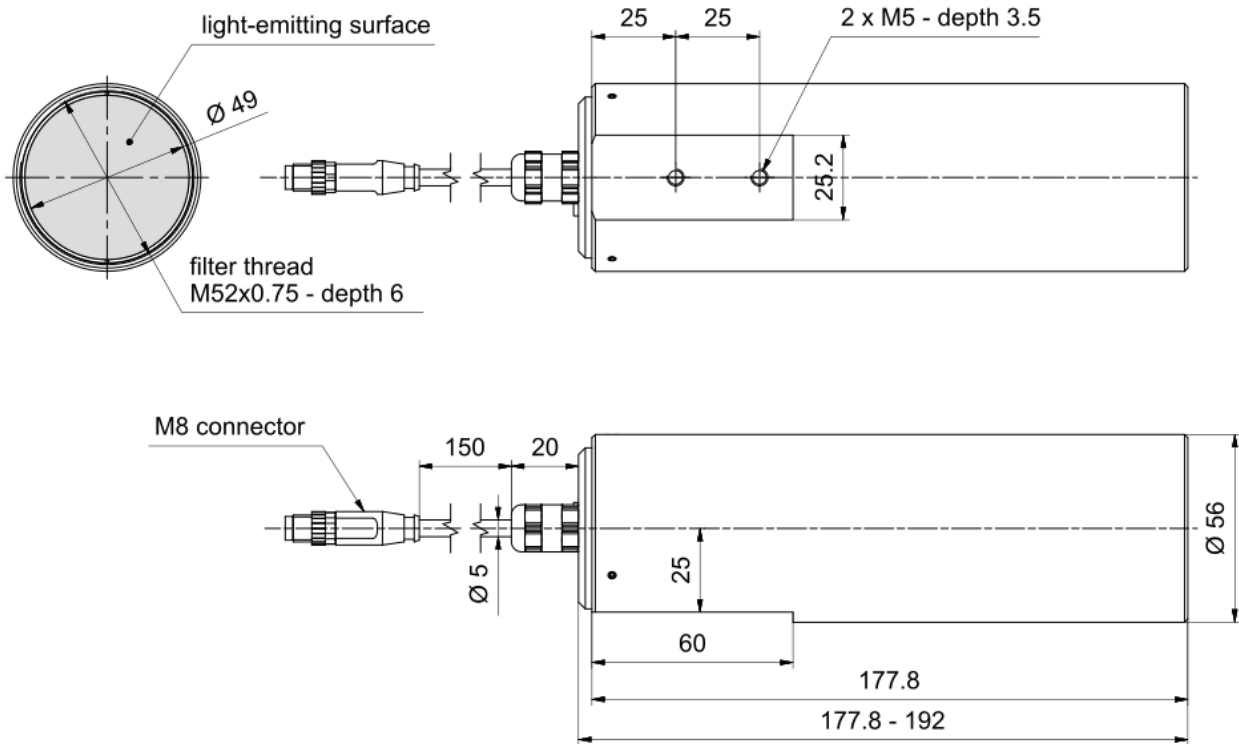
The lighting can only be operated in conjunction with a suitable Current source.

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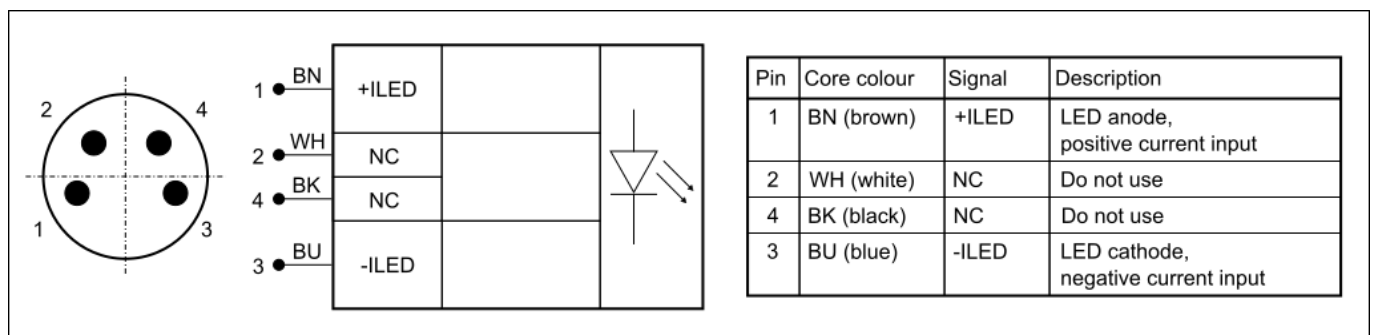
## Accessories for Telecentric lights - TZB51-B470/UDC/-a

Order number	Title	Description
<b><i>Polarising filters</i></b>		
2-91-144	Pole filter M52x0.75	linear polarizing filter, range 420 nm - 780 nm, filter thread M52x0.75
<b><i>Deflection mirror 90° series</i></b>		
2-25-115	Deflection mirror 90-56	90° deflection, attachment for telecentric lenses and lightings with d = 56 mm
<b><i>Connection cable M8-4pin</i></b>		
1-11-611	Cable-M8-4p-5A-straight-1m	4x0.5mm <sup>2</sup> , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-612	Cable-M8-4p-5A-straight-2m	4x0.5mm <sup>2</sup> , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-613	Cable-M8-4p-5A-straight-3m	4x0.5mm <sup>2</sup> , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-614	Cable-M8-4p-5A-straight-5m	4x0.5mm <sup>2</sup> , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-609	Cable-M8-4p-4A-straight-5m	4x0.25mm <sup>2</sup> , 4A, 60V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-607	Cable-M8-4p-4A-straight-10m	4x0.25mm <sup>2</sup> , 4A, 60V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-605	Cable-M8-4p-4A-angled-2m	4x0.25mm <sup>2</sup> , 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end
1-11-604	Cable-M8-4p-4A-angled-5m	4x0.25mm <sup>2</sup> , 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end
1-11-606	Cable-M8-4p-4A-angled-10m	4x0.25mm <sup>2</sup> , 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end
<b><i>Extension cable M8-4pin</i></b>		
1-11-093	Extension cable-M8-4p-5A-0.6m	4x0.5mm <sup>2</sup> , 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug
1-11-094	Extension cable-M8-4p-5A-1.5m	4x0.5mm <sup>2</sup> , 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug
1-11-095	Extension cable-M8-4p-5A-3.0m	4x0.5mm <sup>2</sup> , 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug

## Drawings



Dimensional drawing in mm



Pin assignment: M8 connector