
Telecentric Light - TZB10-B470/UDC/-a

Short description: telecentric light, blue, If diameter: 10 mm,
flashable by flash controller

Order number: 1-10-931

EAN: 4251692646311



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
 - lighting parameters adjustable with the vicolux® smart light lighting controller
 - connection: cable with M8 connector
 - diverse attachment options and extensive accessories
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Technical data

Light-emitting surface	Diameter: 10 mm
Light design	Telecentric
Light colour (typ.)	Blue, 470 nm
Special feature	Flashable with flash controller
Housing material	Aluminium, black anodised
Optical material	Glass
Filter thread	M13.5 x 0.5 - depth 3 mm
Weight	150 g
Degree of protection	IP50
Safety class	Class III, safety extra low voltage (SELV)
Risk group (DIN EN 62471)	Risk group 0 (exempt group)
Ambient temperature	0 °C ... 45 °C

Notices

The lighting can only be operated in conjunction with a lighting controller or a suitable current source.

vicolux® smart light lighting controllers limit the electrical parameters automatically and also monitor the temperature of the device.

Can be combined with

Order number	Title	Description
LED Controller DLC3005		
1-30-202	DLC3005	LED lighting controller, digital, cont./flash current: 4.8A/18A, wall mounting
1-30-209	DLC3005-R	LED lighting controller, digital, cont./flash current: 4.8A/18A, DIN rail mounting

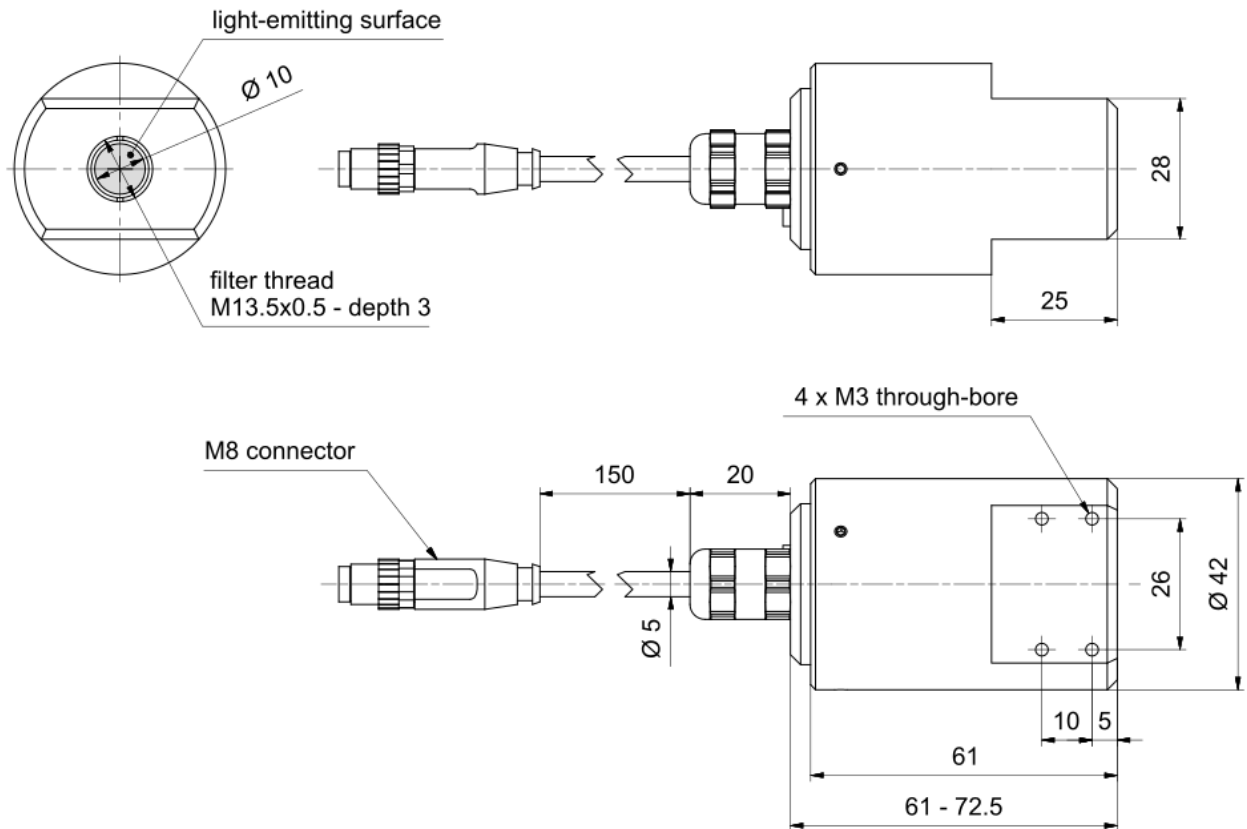
Accessories for Telecentric lights - TZB10-B470/UDC/-a

Order number	Title	Description
Optical accessories		
1-10-078	TZB10 aperture kit	3 screw-in apertures with a diameter of 2.5 mm, 3.3 mm and 5.4 mm
Connection cable M8-4pin		
1-11-609	Cable-M8-4p-4A-straight-5m	4x0.25mm ² , 4A, 60V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-611	Cable-M8-4p-5A-straight-1m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-612	Cable-M8-4p-5A-straight-2m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-613	Cable-M8-4p-5A-straight-3m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-614	Cable-M8-4p-5A-straight-5m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-607	Cable-M8-4p-4A-straight-10m	4x0.25mm ² , 4A, 60V, PUR, IP67, M8-4pin straight socket to free cable end
1-11-605	Cable-M8-4p-4A-angled-2m	4x0.25mm ² , 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end
1-11-604	Cable-M8-4p-4A-angled-5m	4x0.25mm ² , 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end
1-11-606	Cable-M8-4p-4A-angled-10m	4x0.25mm ² , 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end

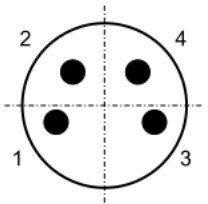
Extension cable M8-4pin

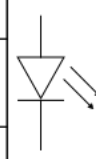
Order number	Title	Description
1-11-094	Extension cable-M8-4p-5A-1.5m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug
1-11-095	Extension cable-M8-4p-5A-3.0m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug
1-11-093	Extension cable-M8-4p-5A-0.6m	4x0.5mm ² , 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug

Drawings



Dimensional drawing in mm



1 ● BN	+ILED	
2 ● WH	NC	
4 ● BK	NC	
3 ● BU	-ILED	

Pin	Core colour	Signal	Description
1	BN (brown)	+ILED	LED anode, positive current input
2	WH (white)	NC	Do not use
4	BK (black)	NC	Do not use
3	BU (blue)	-ILED	LED cathode, negative current input

Pin assignment: M8 connector