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## vicotar<sup>®</sup> Telecentric Lens - TL380/15.2-400-V-B

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**Short description:** Telecentr. large field lens, C-mount, sensor max. 1", variable aperture, for blue

**Order number:** 2-05-377

**Notice:** Also available for other colors on request.



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### Characteristics

- telecentric lens for C-mount cameras with extremely large object field
  - low-distortion, low telecentric error
  - adjustable aperture, arrestable
  - working distance adjustable to customer requirements
  - especially suited for component inspection
  - monochromatic usable for the visible spectral range and near infrared
  - internal filter for false light suppression installed by the manufacturer
  - protective glass available as an accessory
  - robust industrial design
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## Technical data

Image scale	0.04
Spectral range	450 nm - 490 nm, nur monochromatisch verwendbar
Working distance	400 mm
Camera distance (object-camera flange)	829 mm
Object field diagonal (max)	380 mm
Sensor format (max)	1"
Image field diagonal (max)	15.2 mm
Suitable for camera resolution	10.3 MPixel
Recommended pixel size	3.45 $\mu$ m
Aperture	verstellbar
Depth of focus <sup>1)</sup>	300 mm (@ F16)
Lens length	429 mm
Lens diameter (max)	440 mm
Lens mount	C-Mount
Weight	9000 g
Usable object field with:	
• 1" sensor	320 mm x 240 mm
• 2/3" sensor	220 mm x 165 mm
• 1/1.8" sensor	177.5 mm x 135 mm
• 1/2" sensor	160 mm x 120 mm

## Notices

The illumination combinations shown are a selection. Depending on the application, other colors and light source types can also be used.

## Can be combined with

Order number	Title	Description
<b><i>SLE-150-P-SL series</i></b>		
1-33-300	SLE-150-B460-P-SL	compact spot light, blue, P-LED, variable work distance, condenser lens, smart light
<b><i>SLE-150-P-24V series</i></b>		
1-33-310	SLE-150-B450-P-24V	compact spot light, blue, P-LED, variable work distance, condenser l., 24V, switchable

## Accessories for Telecentric Lenses - TL380/15.2-400-V-B

Order number	Title	Description
<b><i>Extension tubes</i></b>		
2-90-415	Extension ring 0.5 mm	26 x 31 x 0.5 reduces the minimum object distance (MOD)
2-90-416	Extension ring 1.0 mm	26 x 31 x 1.0 reduces the minimum object distance (MOD)
2-90-419	Extension ring 0.1 mm	25.5 x 29 x 0.1 reduces the minimum object distance (MOD)
2-90-420	Extension ring 0.2 mm	25.5 x 29 x 0.2 reduces the minimum object distance (MOD)
<b><i>Lens adapter c-mount</i></b>		
2-90-414	CS to C-mount adapter 5.0 mm	for connecting C-mount lenses with CS-mount cameras, length: 5 mm
<b><i>Filter adapter</i></b>		
2-91-119	PG 390	protective glass, for TL 370/371/380 series, incl. installation material

## Drawings



Dimensional drawing in mm