

BI-TELECENTRIC LENS FOR DETECTORS UP TO 1/2"



Part Number		TC 12 96
Magnification		0,068 +/- 3%
Field Of View	(mm x mm)	
with 1/4" (3,6 x 2,7) detector		52,9 x 39,7
with 1/3" (4,8 x 3,6) detector		70,6 x 52,9
with 1/2" (6,4 x 4,8) detector		94,1 x 70,6
with 1/1.8" (7,13 x 5,37) detector		104,8 x 78,9
with 2/3" (8,8 x 6,6) detector		diam. = 97,1
Working Distance	(mm)	279,6 +/- 8
Working F-number		8
Telecentricity	(degree)	< 0,08
Distortion	(%)	<0,08
Field Depth	(mm)	145,0
CTF @70 lp/mm	(%)	> 45
Image side N.A.		0,0620
Object side N.A.		0,0042
Mount		C
Length	(mm)	317,0
External diameter	(mm)	143,0
Weight	(g)	2500

Possible vignetting at the image corners with 1/1.8" detectors

ACCESSORIES AND OPTIONS:



Collimated/Telecentric illumination:
compatible with LTCL96 illuminator;
green light suggested.



Coaxial illumination:
not available.



Back Light illumination:
compatible with LTBK64 and LTBK80
illuminators.



Clamping Mechanics:
compatible with CMH096.

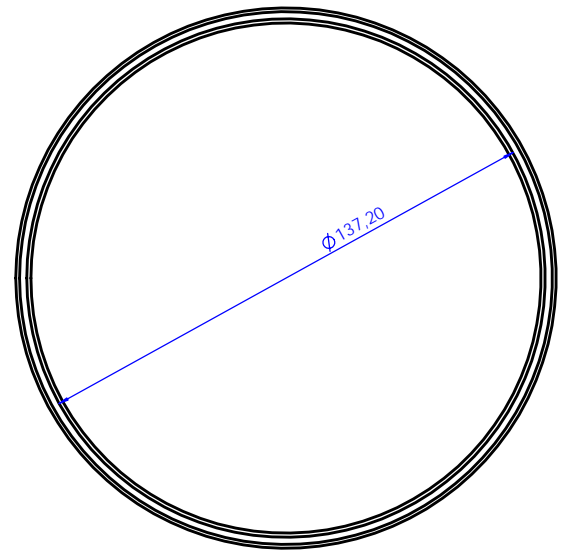
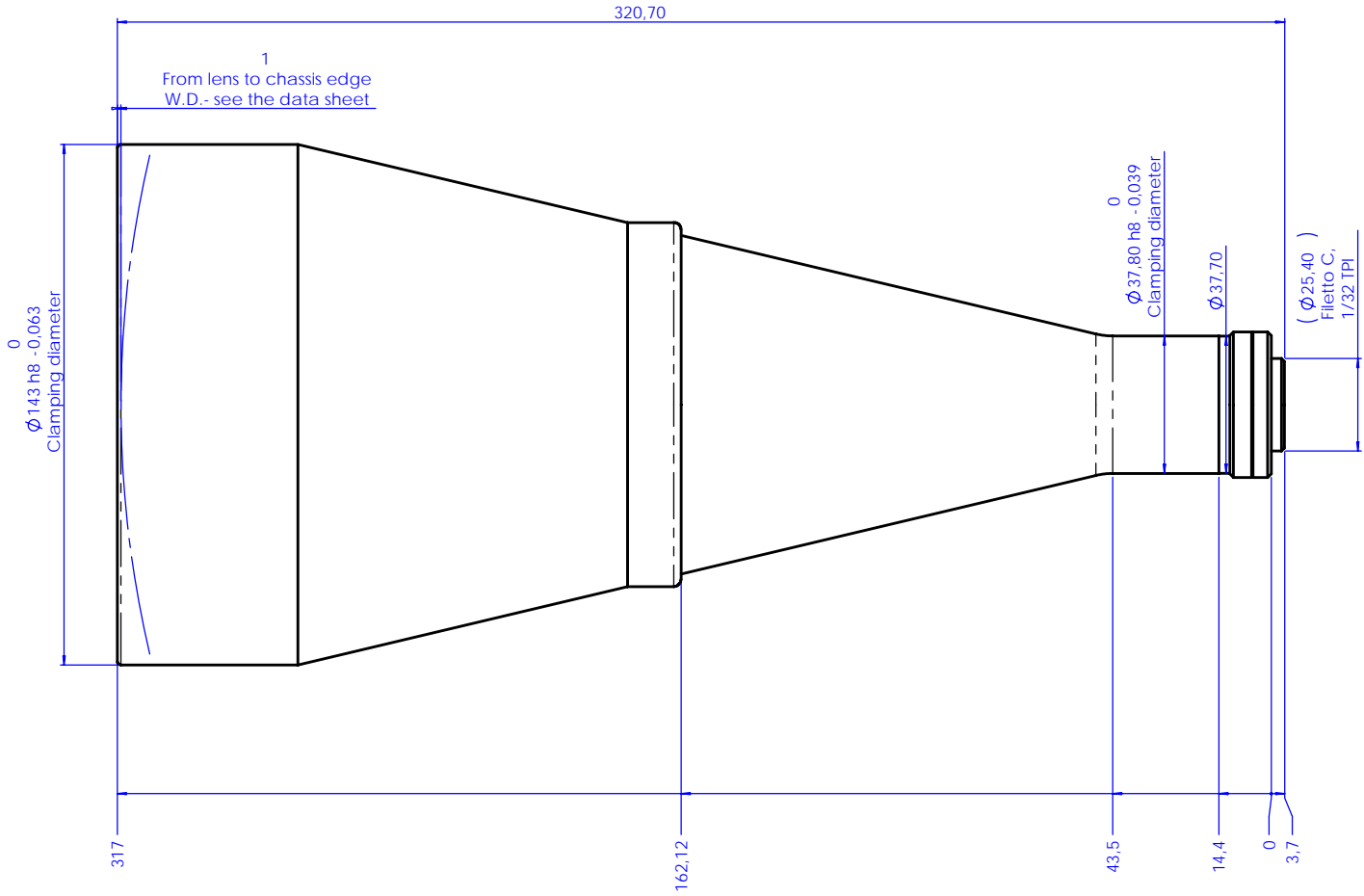


Direct illumination:
not available.



Filters:
filters can be inserted in the rear part
of the lens, by means of TC Filter Kit.

Rev No.	Description	Date	Name
A	First light	01/05/03	A.Vismara
D	Redesign	15/02/06	A.Vismara



Material	N.A.	Mass	2.5 kg	Scale	1:1				
Surface treatment	N.A.	Project/Prod./Item/Instrument	Telecentric lens 12 96						
Geometrical tolerances (ISO 2768-2)		Class	K	Undimensioned Bevels	1x45°				
Linear tolerance (ISO 2768-2)		Class	m	Undimensioned radii	R 0.5				
0.5	>3-	>6-	>30-	>120	>400-	>1000	>2000	Description	
-3	6	30	120	400	1000	2000	4000	Assembly	
±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	Date	Sheet
www.opto-engineering.com		Designed	15/02/06	A.Vismara	Drawing No.		02101-0-D		
www.opto-engineering.com		Draw	15/02/06	A.Vismara	Name		1/1		
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