

BI-TELECENTRIC LENS FOR DETECTORS UP TO 2/3"



Part Number	TC 23 110	
Magnification		0,079 +/- 3%
Field Of View	(mm x mm)	
with 1/4" (3,6 x 2,7) detector		45,3 x 34,0
with 1/3" (4,8 x 3,6) detector		60,5 x 45,3
with 1/2" (6,4 x 4,8) detector		80,6 x 60,5
with 1/1.8" (7,13 x 5,37) detector		89,8 x 67,6
with 2/3" (8,8 x 6,6) detector		110,8 x 83,1
Working Distance	(mm)	336,5 +/- 10
Working F-number		8
Telecentricity	(degree)	< 0,08
Distortion	(%)	<0,07
Field Depth	(mm)	106,0
CTF @70 lp/mm	(%)	> 40
Image side N.A.		0,0620
Object side N.A.		0,0049
Mount		C
Length	(mm)	430,3
External diameter	(mm)	180,0
Weight	(g)	5300

ACCESSORIES AND OPTIONS:



Collimated/Telecentric illumination:
compatible with LTCL120 illuminator;
green light suggested.



Coaxial illumination:
not available.



Back Light illumination:
compatible with LTBK192 illuminator.



Clamping Mechanics:
use the built-in holed flange to mount
the lens.

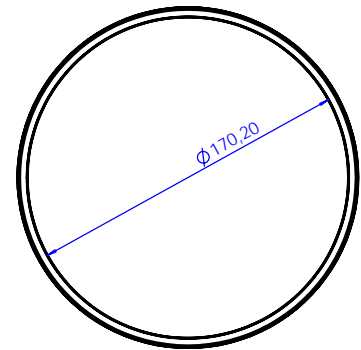
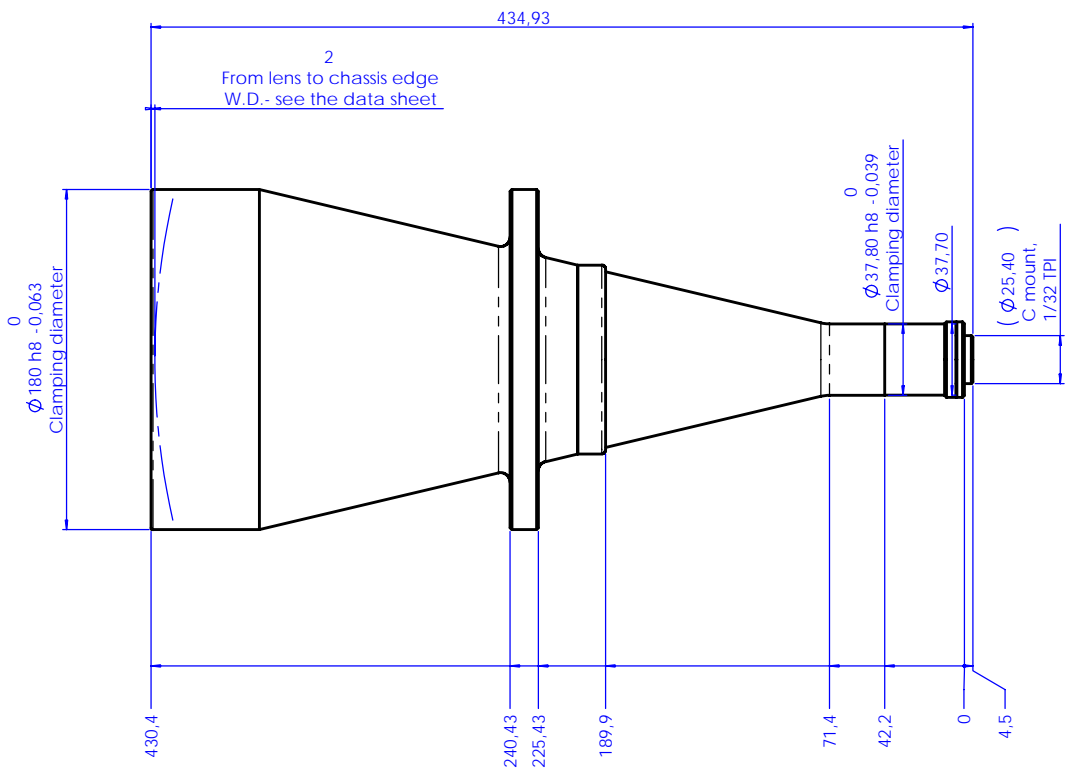
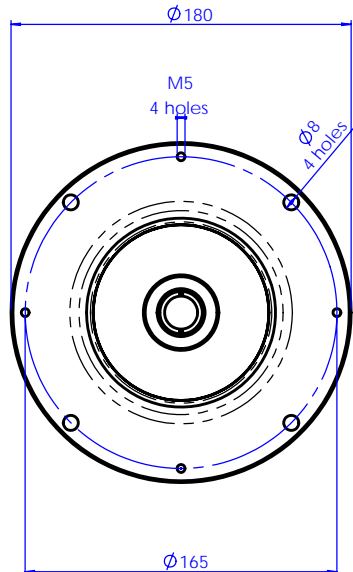


Direct illumination:
not available.



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	15/06/06	A.Vismara



Material	N.A.	Mass	5.3 kg	Scale	1:2
Surface treatment	N.A.	Project-Prod.Item/Instrument	Telecentric lens 23 110		
Geometrical tolerance (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-
-3	6	30	120	400	1000
±0.1	±0.1	±0.2	±0.3	±0.5	±0.8
		Class	m	±1.2	±2
www.opto-engineering.com		Date	Name		
Designed		15/06/06	A.Vismara		
Draw		15/06/06	A.Vismara		
Checked		x	C.Sedazzari		
Drawing No.		02251-0-A			Sheet
					1/1
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OPTO ENGINEERING S.r.l. - 46100 Mantova Italy - Via Cremona, 28 - Tel/Fax +39 0376 229585 - e-mail: info@opto-engineering.com - http://www.opto-engineering.com					