

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



Part Number	TC 23 172	
Magnification		0,051 +/- 3%
Field Of View	(mm x mm)	
with 1/4" (3,6 x 2,7) detector		70,9 x 53,2
with 1/3" (4,8 x 3,6) detector		94,6 x 70,9
with 1/2" (6,4 x 4,8) detector		126,1 x 94,6
with 1/1.8" (7,13 x 5,37) detector		140,5 x 105,8
with 2/3" (8,8 x 6,6) detector		173,4 x 130,1
Working Distance	(mm)	531,0 +/- 16
Working F-number		8
Telecentricity	(degree)	< 0,08
Distortion	(%)	<0,1
Field Depth	(mm)	260,0
CTF @70 lp/mm	(%)	> 40
Image side N.A.		0,0620
Object side N.A.		0,0031
Mount		C
Length	(mm)	630,3
External diameter	(mm)	260,0
Weight	(g)	11400

ACCESSORIES AND OPTIONS:



Collimated/Telecentric illumination:
compatible with LTCL192 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.

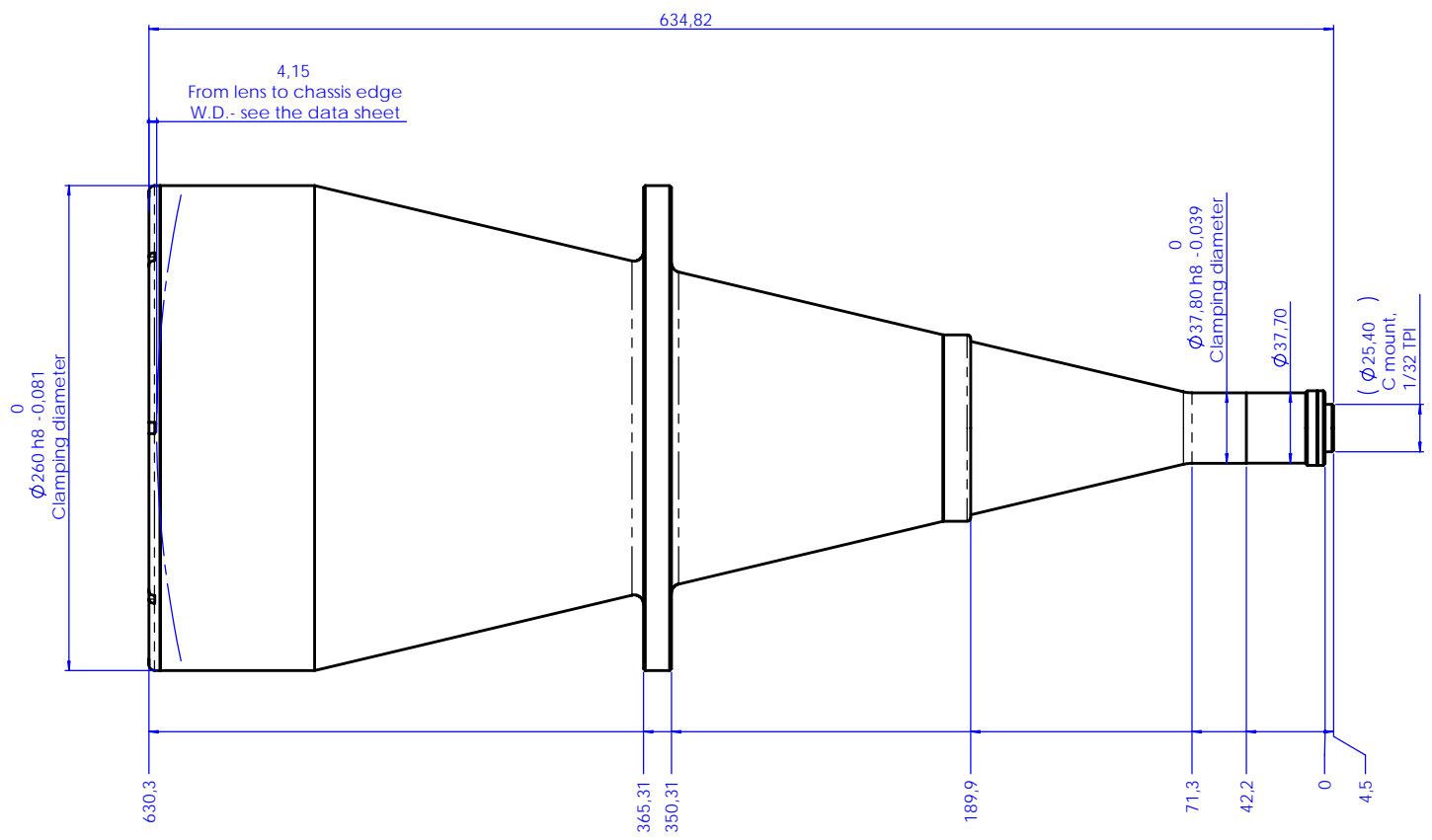
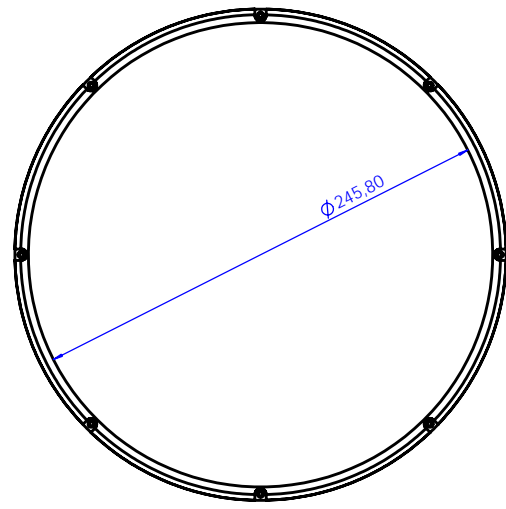
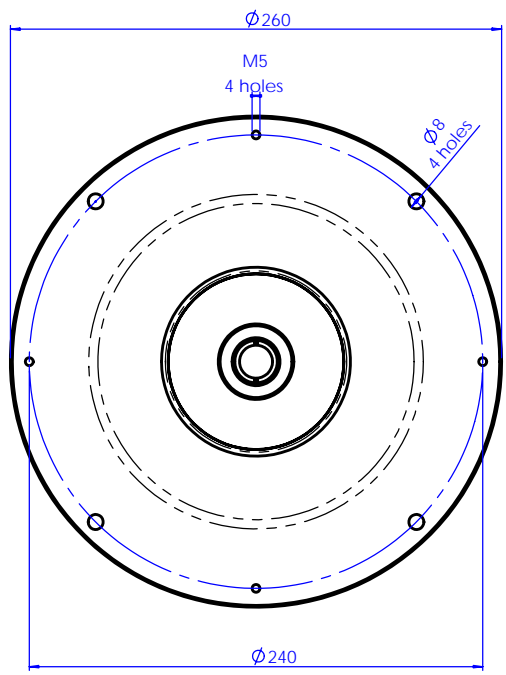


Direct illumination:
not available.



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	31/01/07	A.Vismara



Material	N.A.	Mass	11.4 kg	Scale	1:2				
Surface treatment	N.A.	Project-Prod.Item/Instrument	Telecentric lens 23 172						
Geometrical tolerance (ISO 2768-2)		Class	K	Undimensioned	Bevels				
Linear tolerance (ISO 2768-2)		Class	m	Undimensioned	Radius				
0.5	>3-	>6-	>30-	>120	>400-	>1000	>2000	1x45°	Description Assembly
-3	6	30	120	400	1000	2000	4000	R 0.5	
±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2		
www.opto-engineering.com		Date	Name	Drawing No.		Sheet			
Designed		31/01/07	A.Vismara	02531-0-A		1/1			
Draw		31/01/07	A.Vismara						
Checked		X	C.Sedazzari	Reproduction forbidden without specific authorization					