

# TC 23 240

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



<b>Model:</b>	<b>TC 23 240</b>	
<b>Magnification (X):</b>	0,037 +/- 3%	
<b>Object Field (mm):</b>	<i>1/4" (3,6 x 2,7):</i>	98,1 x 73,6
	<i>1/3" (4,8 x 3,6):</i>	130,8 x 98,1
	<i>1/2" (6,4 x 4,8):</i>	174,4 x 130,8
	<i>1/1.8" (7,13 x 5,37):</i>	194,3 x 146,3
	<i>2/3" (8,8 x 6,6):</i>	239,8 x 179,9
<b>Working Distance (mm):</b>	500,0 +/- 15	
<b>Working F-number:</b>	8	
<b>MTF @70 lp/mm (%):</b>	>45	
<b>Field Depth (mm):</b>	380,0 @	F/ 8
<b>Image side N.A.:</b>	0,062	
<b>Object side N.A.:</b>	0,002	
<b>Telecentricity (degree):</b>	< 0,08	
<b>Distortion (%):</b>	<0,08	
<b>Mount:</b>	C	
<b>Length (mm):</b>	775	
<b>Maximum external diameter (mm):</b>	322	
<b>Weigh (g):</b>	20000	

### ACCESSORIES AND OPTIONS:



**Collimated/Telecentric illumination:**  
compatible with LTCL240 illuminator;  
green light suggested.



**Coaxial illumination:**  
not available.



**Back Light illumination:**  
not available.



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

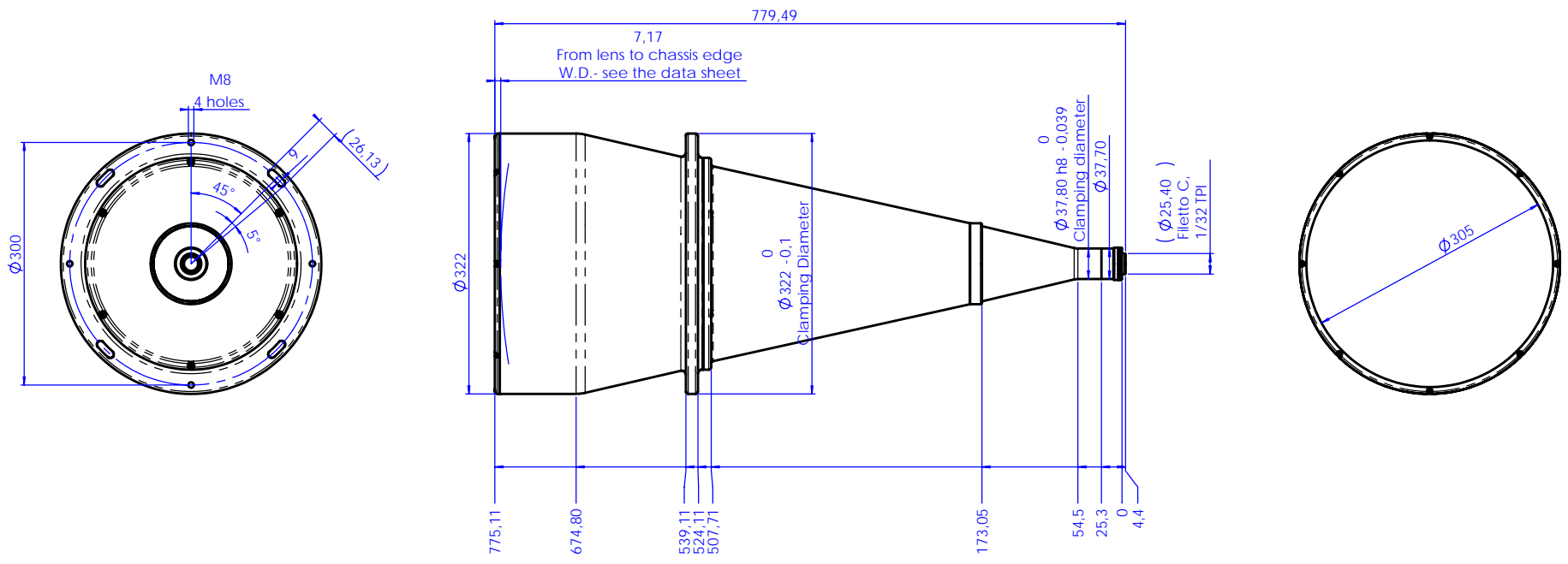


**Direct illumination:**  
not available.



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

Rev. No.	Description	Date	Name
D	Redesign	17/03/06	A.Vismara



Material	N.A.	Mass	20.8 kg	Scale	1:4
Surface treatment	N.A.	Project-Prod.Item/Instrument	Telecentric lens 23 240		
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
					+1.2
Date		Name		Drawing No.	
Designed 17/03/06		A.Vismara		13731-0-D	
Draw 17/03/06		A.Vismara		Sheet	
Checked X		C.Sedazzari		1/1	
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