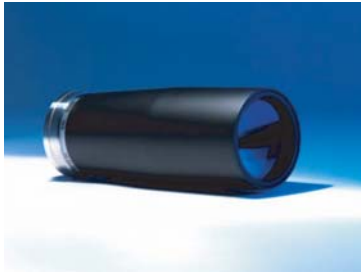


## BI-TELECENTRIC LENS FOR DETECTORS UP TO 2/3"



<b>Model:</b>	<b>TC 23 24</b>	
<b>Magnification (X):</b>	0,350	
<b>Object Field (mm):</b>	1/4" (3,6 x 2,7):	10,3 x 7,7
	1/3" (4,8 x 3,6):	13,7 x 10,3
	1/2" (6,4 x 4,8):	18,3 x 13,7
	1/1.8" (7,13 x 5,37):	20,4 x 15,3
	2/3" (8,8 x 6,6):	25,1 x 18,9
<b>Working Distance (mm):</b>	69,2 +/- 2	
<b>Working F-number:</b>	8	
<b>MTF @70 lp/mm (%):</b>	> 45	
<b>Field Depth (mm):</b>	7,0 @ F/ 8	
<b>Image side N.A.:</b>	0,062	
<b>Object side N.A.:</b>	0,022	
<b>Telecentricity (degree):</b>	< 0,1	
<b>Distortion (%):</b>	< 0,10	
<b>Mount:</b>	C	
<b>Length (mm):</b>	138	
<b>Maximum external diameter (mm):</b>	44	
<b>Weigh (g):</b>	410	

### ACCESSORIES AND OPTIONS:



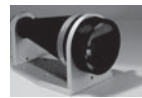
**Collimated/Telecentric illumination:**  
compatible with LTCL24 illuminator;  
green light suggested.



**Coaxial illumination:**  
not available.



**Back Light illumination:**  
Compatible with LTBK36 illuminator.



**Clamping Mechanics:**  
the lens is light and can be directly  
held by the camera.

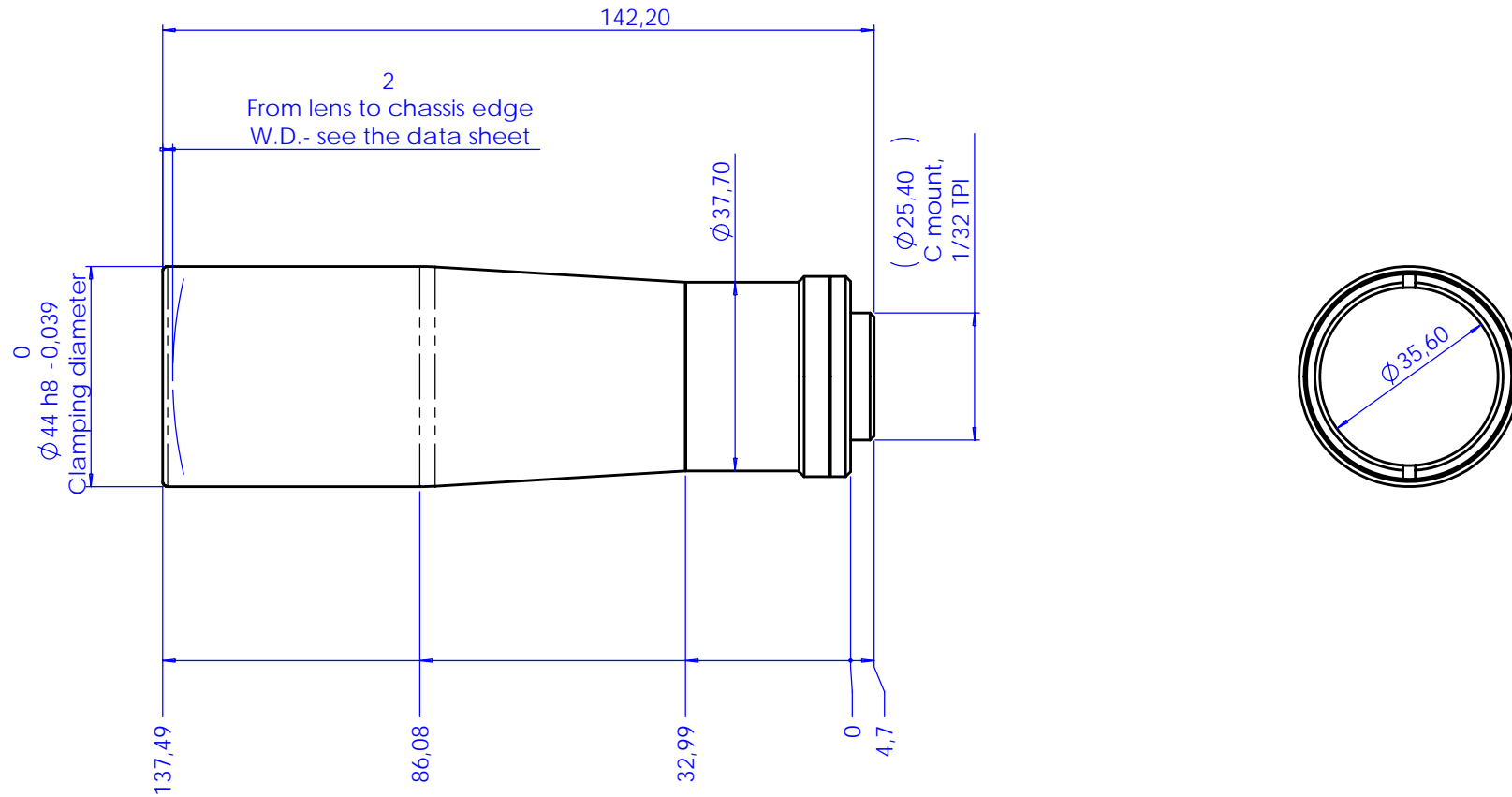


**Direct illumination:**  
compatible with LTRN36 diffusive  
anular illuminators.



**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	18/07/06	A.Vismara



Material	N.A.			Mass	0.41 kg	Scale	1:1
Surface treatment	N.A.			Project-Prod.Item/Instrument Telecentric lens 23 24			
Geometrical tolerance (ISO 2768-2)			Class	K	Undimensioned bevels		
Linear tolerance (ISO 2768-2)			Class	m	1x45°		
0.5	>3-	>6-	>30-	>120	>400-	>1000	>2000
+3	6	30	120	+400	+1000	+2000	+4000
±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
Undimensioned radii			R 0.5			Description Assembly	
			Date		Name		
			Designed	18/07/06	A.Vismara		
			Draw	18/07/06	A.Vismara		
Checked			X		C. Sedazzari		
Drawing No.				01501-0-D		Sheet 1/1	
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