

BI-TELECENTRIC LENS FOR DETECTORS UP TO 1/3"



Model:	TC 13 36	
Magnification (X):	0,133 +/- 3%	
Object Field (mm):	1/4" (3,6 x 2,7):	27,0 x 20,2
	1/3" (4,8 x 3,6):	36,0 x 27,0
	1/2" (6,4 x 4,8):	diam. = 36,0
	1/1.8" (7,13 x 5,37):	diam. = 40,2
	2/3" (8,8 x 6,6):	n.a
Working Distance (mm):	103,5 +/- 3	
Working F-number:	8	
MTF @70 lp/mm (%):	> 50	
Field Depth (mm):	38,0 @	F/ 8
Image side N.A.:	0,062	
Object side N.A.:	0,008	
Telecentricity (degree):	< 0,08	
Distortion (%):	< 0,08	
Mount:	C	
Length (mm):	133	
Maximum external diameter (mm):	61	
Weigh (g):	460	

ACCESSORIES AND OPTIONS:



Collimated/Telecentric illumination:
compatible with LTCL36 illuminator;
green lighth suggested.



Coaxial illumination:
Compatible with LTCX36 illuminator.



Back Light illumination:
Compatible with LTBK36 illuminator.



Clamping Mechanics:
compatible with Teleclamp36.

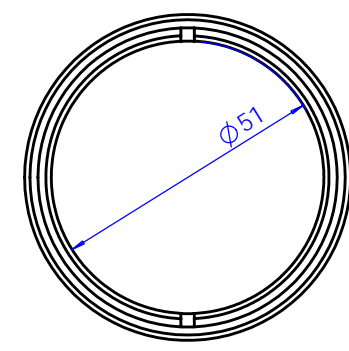
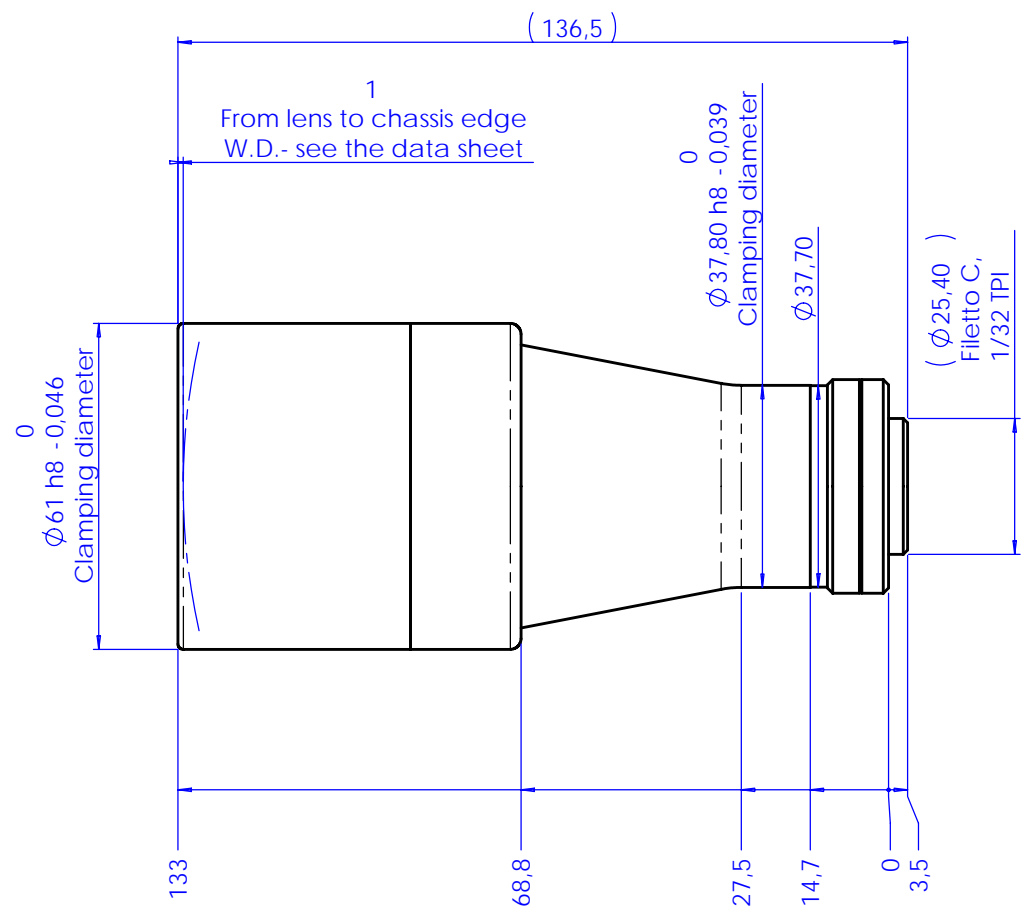


Direct illumination:
compatible with LTRN36 diffusive
anular illuminators.



Filters:
TC Filter Kit option not available.

Rev No.	Description	Date	Name
A	First light	01/05/03	A.Vismara
D	Redesign	24/03/06	A.Vismara



Material	N.A.			Mass	0.46 kg	Scale	1:1	
Surface treatment	N.A.			Project-Prod.Item/Instrument Telecentric lens 13 36				
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					
Designed			Date	Name				
Drawn			15/02/06	A.Vismara				
Checked			24/03/06	A.Vismara				
www.opto-engineering.com			X	C. Sedazzari				
Drawing No.			01009-0-D				Sheet	1/1
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