

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



Model:	TC 13 64	
Magnification (X):	0,074 +/- 3%	
Object Field (mm):	1/4" (3,6 x 2,7):	48,9 x 36,7
	1/3" (4,8 x 3,6):	65,2 x 48,9
	1/2" (6,4 x 4,8):	diam. = 65,2
	1/1.8" (7,13 x 5,37):	diam. = 72,9
	2/3" (8,8 x 6,6):	n.a
Working Distance (mm):	182,3 +/- 5	
Working F-number:	8	
MTF @70 lp/mm (%):	> 40	
Field Depth (mm):	130,0 @ F/ 8	
Image side N.A.:	0,062	
Object side N.A.:	0,004	
Telecentricity (degree):	< 0,08	
Distortion (%):	<0,07	
Mount:	C	
Length (mm):	212	
Maximum external diameter (mm):	100	
Weigh (g):	1000	

ACCESSORIES AND OPTIONS:



Collimated/Telecentric illumination:
compatible with LTCL64 illuminator;
green light suggested.



Coaxial illumination:
Compatible with LTCX64 illuminator.



Back Light illumination:
Compatible with LTBK64 illuminator.



Clamping Mechanics:
compatible with Teleclamp64.

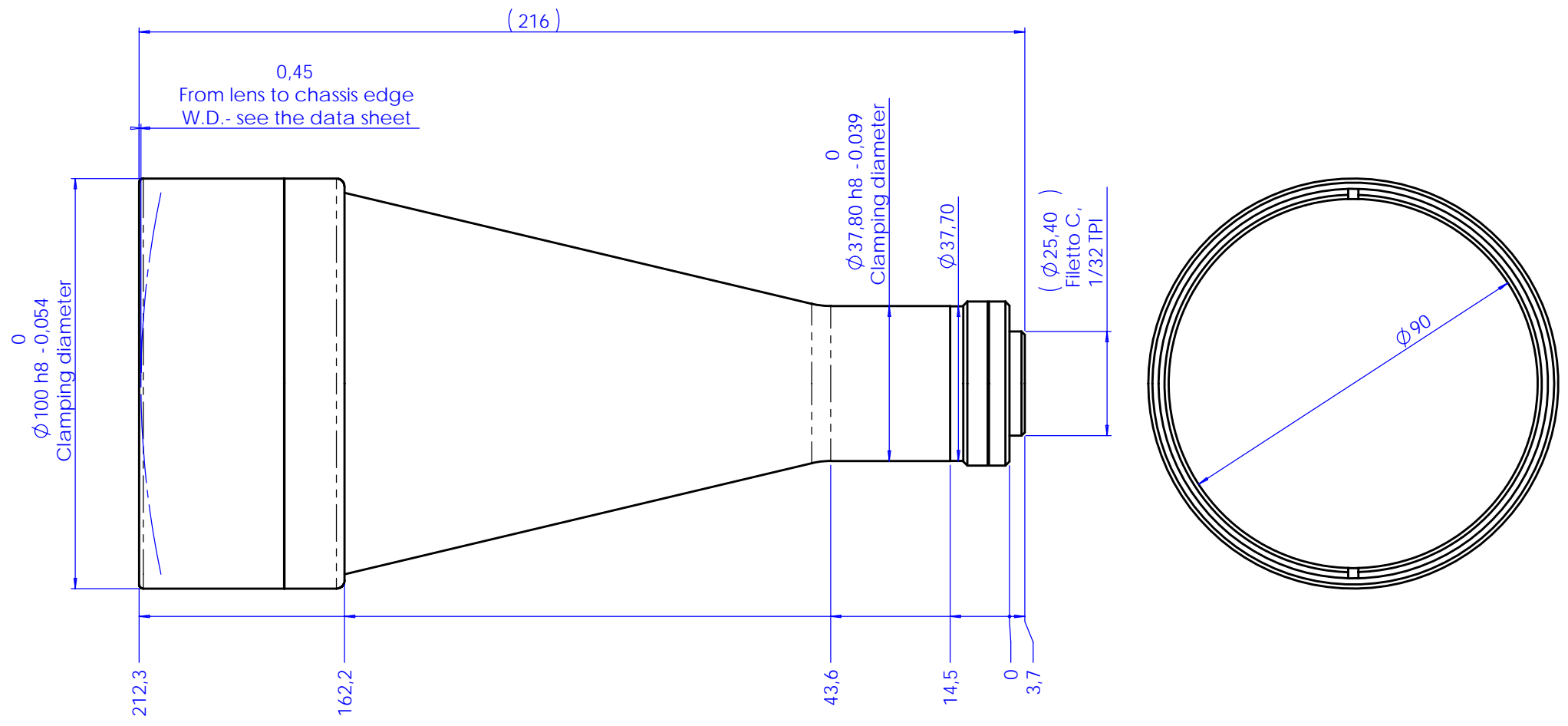


Direct illumination:
compatible with LTRN64 diffusive
anular illuminators.



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	1.0 kg	Scale	1:1																																					
Surface treatment	N.A.		Project-Prod.Item/Instrument Telecentric lens 13 64																																								
Geometrical tolerance (ISO 2768-2) <table border="1"> <thead> <tr> <th colspan="2">Linear tolerance (ISO 2768-2)</th> <th>Class</th> <th>K</th> <th>Undimensioned bevels</th> <th>1x45°</th> <th rowspan="2">Description Assembly</th> </tr> <tr> <th>0.5</th> <th>>3-</th> <th>>6-</th> <th>>30-</th> <th>>120</th> <th>>400-</th> <th>>1000</th> <th>>2000</th> <th>Undimensioned radii</th> <th>R 0.5</th> </tr> </thead> <tbody> <tr> <td>+3</td> <td>6</td> <td>30</td> <td>120</td> <td>+400</td> <td>1000</td> <td>+2000</td> <td>+4000</td> <td>±2</td> <td></td> </tr> <tr> <td>±0.1</td> <td>±0.1</td> <td>±0.2</td> <td>±0.3</td> <td>±0.5</td> <td>±0.8</td> <td>±1.2</td> <td>±2</td> <td></td> <td></td> </tr> </tbody> </table>			Linear tolerance (ISO 2768-2)		Class	K	Undimensioned bevels	1x45°	Description Assembly	0.5	>3-	>6-	>30-	>120	>400-	>1000	>2000	Undimensioned radii	R 0.5	+3	6	30	120	+400	1000	+2000	+4000	±2		±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2			Description		Drawing No. 01051-0-D	Sheet 1/1
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www.opto-engineering.com			Designed	15/02/06	A.Vismara																																						
			Draw	24/03/06	A.Vismara																																						
			Checked	X	C. Sedazzari																																						

