Bi-Telecentric Lens for 1/2” (1/1.8”) to 1/4” detectors

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Model:		**TC 12 64**	
Magnification (X):		0,10	
Object Field (mm):	*1/4" (3,6 x 2,7):* *1/3" (4,8 x 3,6):* *1/2" (6,4 x 4,8):* *1/1.8" (7,13 x 5,37):* *2/3" (8,8 x 6,6):*	36,0 x 27,0 48,0 x 36,0 64,0 x 48,0 71,3 x 53,7 Ø = 66,0	*(5)*
Working Distance (mm):		182,3 +/- 5	
Working F-number:		8	
MTF @70 lp/mm (%):		>50	
Field Depth (mm):		60,0 @ F/ 8	
Image side N.A.:		0,062	
Object side N.A.:		0,006	
Telecentricity (degree):		<0,08	
Distortion (%):		<0,07	
Mount:		C	
Length (mm):		227	
Maximum external diameter (mm):		100	
Weigh (g):		970	

NOTES:

1) The inner aperture diaphragm can be supplied on request with smaller apertures in order to achieve a larger Field Depth

2) Tailored diffusive Ring Light available on request

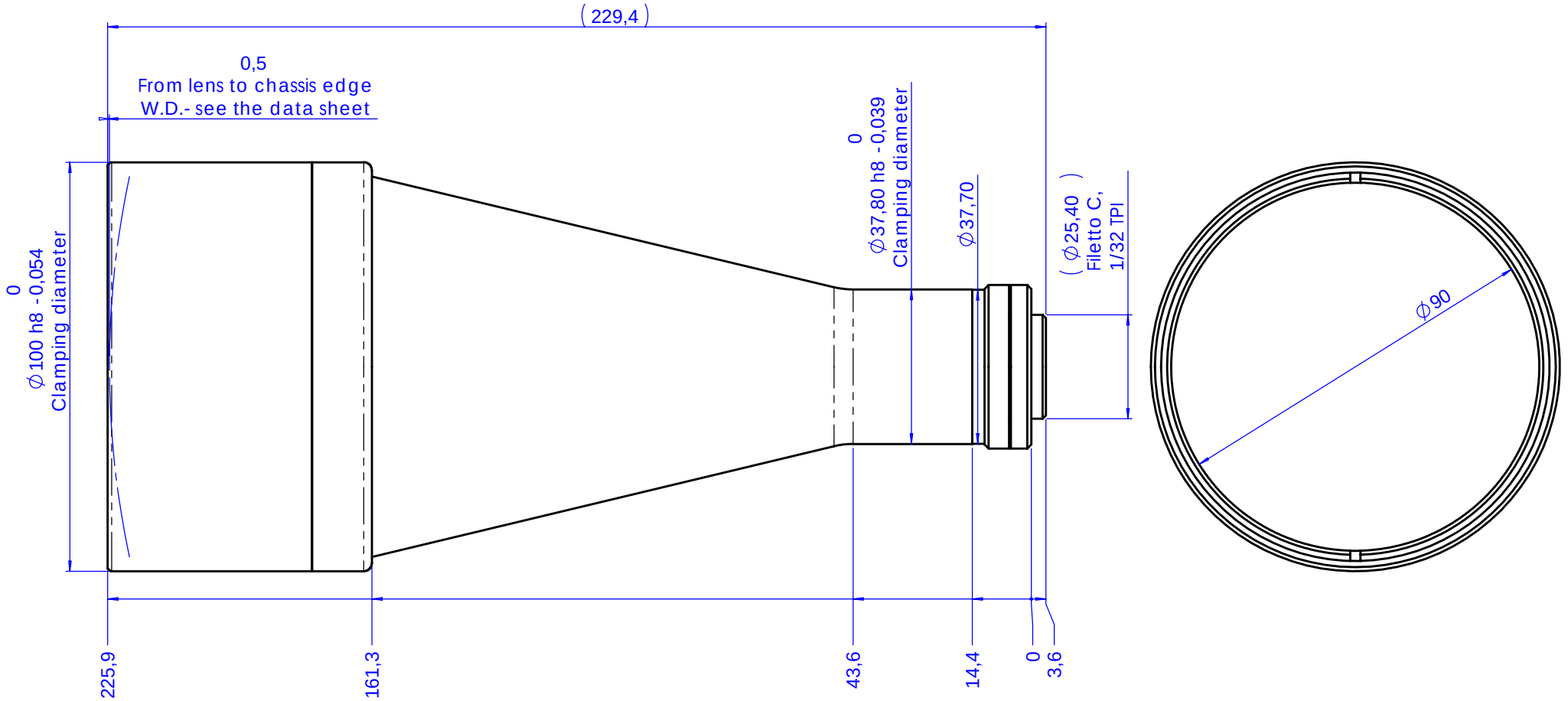
3) Custom flanges and mechanical interfaces can be provided on request

4) Can be coupled to a collimated light illuminator like LT CL 64

5) Small vignetting at the image corners possible

6) compatible with Diffuse Coaxial LT CX 64 Illuminator

Rev No.	Description	Date	Name
A	First light	01/05/03	A.Vismara
D	Redesign	15/02/06	A.Vismara



Material	N.A.	Mass	1.06 kg
Surface treatment	N.A.	Scale	1:1
Project-Prod.item/Instrument	Telecentric lens 12 64		

Geometrical tolerance (ISO 2768-2)								Class	K
Linear tolerance (ISO 2768-2)								Class	m
0.5 ÷3	>3÷ 6	>6÷ 30	>30÷ 120	>120 ÷400	>400÷ 1000	>1000 ÷2000	>2000 ÷4000	Undimensioned bevels	1x45°
±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	15/02/06	A.Vismara
Draw	15/02/06	A.Vismara
Checked	X	C. Sedazzari

Drawing No. 01101-0-D

Sheet 1/1

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