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

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Model:		**TC 12 24**
Magnification (X):		0,27
Object Field (mm):	*1/4" (3,6 x 2,7):*	13,50 x 10,13
	1/3" (4,8 x 3,6):	18,00 x 13,50
	1/2" (6,4 x 4,8):	24,00 x 18,00
	1/1.8" (7,13 x 5,37):	26,73 x 20,13 *(5)*
	2/3" (8,8 x 6,6):	Ø = 24,75
Working Distance (mm):		69,2 +/- 2
Working F-number:		8
MTF @70 lp/mm (%):		>45
Field Depth (mm):		10,0 @ F/ 8
Image side N.A.:		0,062
Object side N.A.:		0,016
Telecentricity (degree):		< 0,1
Distortion (%):		< 0,08
Mount:		C
Length (mm):		123
Maximum external diameter (mm):		44
Weigh (g):		290

NOTES:

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

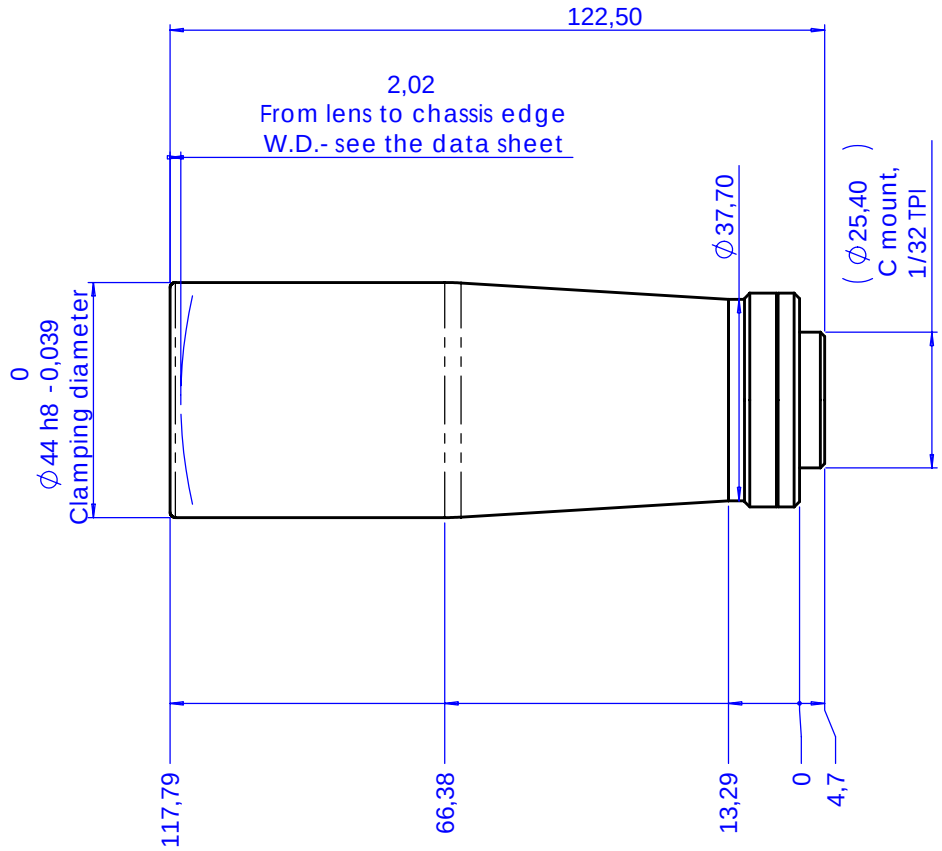
2) Tailored diffusive Ring Light available on request

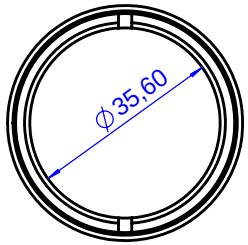
3) Custom flanges and mechanical interfaces can be provided on request

4) Can be coupled to a collimated light illuminator like LT CL 24

5) Small vignetting at the image corners possible

Rev No.	Description	Date	Name
A	First light	01/05/03	A.Vismara
D	Redesign	19/07/06	A.Vismara





Material	N.A.	Mass	0.37 kg
Surface treatment	N.A.	Scale	1:1
		Project-Prod.item/Instrument	Telecentric lens 12 24

Geometrical tolerance (ISO 2768-2)								Class	K	Undimensioned bevels	1x45°
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 radii	R 0.5		
±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2				

Description: Assembly

	Date	Name
Designed	19/07/06	A.Vismara
Draw	19/07/06	A.Vismara
Checked	X	C. Sedazzari

Drawing No. 01551-0-D

Sheet 1/1

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OPTO ENGINEERING S.r.l. - 46100 Mantova Italy - Via Cremona, 28 - Tel. +39 0376 229585 - e-mai: info@opto-enginering.com - http://www.opto-engineering.com

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