

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



Model:	TC 23 48	
Magnification (X):	0,184 +/- 3%	
Object Field (mm):	1/4" (3,6 x 2,7):	19,6 x 14,7
	1/3" (4,8 x 3,6):	26,1 x 19,6
	1/2" (6,4 x 4,8):	34,8 x 26,1
	1/1.8" (7,13 x 5,37):	38,8 x 29,2
	2/3" (8,8 x 6,6):	47,9 x 35,9
Working Distance (mm):	134,6 +/- 4	
Working F-number:	8	
MTF @70 lp/mm (%):	> 40	
Field Depth (mm):	14,0 @ F/ 8	
Image side N.A.:	0,062	
Object side N.A.:	0,011	
Telecentricity (degree):	< 0,1	
Distortion (%):	< 0,10	
Mount:	C	
Length (mm):	201	
Maximum external diameter (mm):	75	
Weigh (g):	750	

ACCESSORIES AND OPTIONS:



Collimated/Telecentric illumination:
compatible with LTCL48 illuminator;
green light suggested.



Coaxial illumination:
Compatible with LTCX36 illuminator.



Back Light illumination:
Compatible with LTBK36 illuminator.



Clamping Mechanics:
compatible with Teleclamp48.

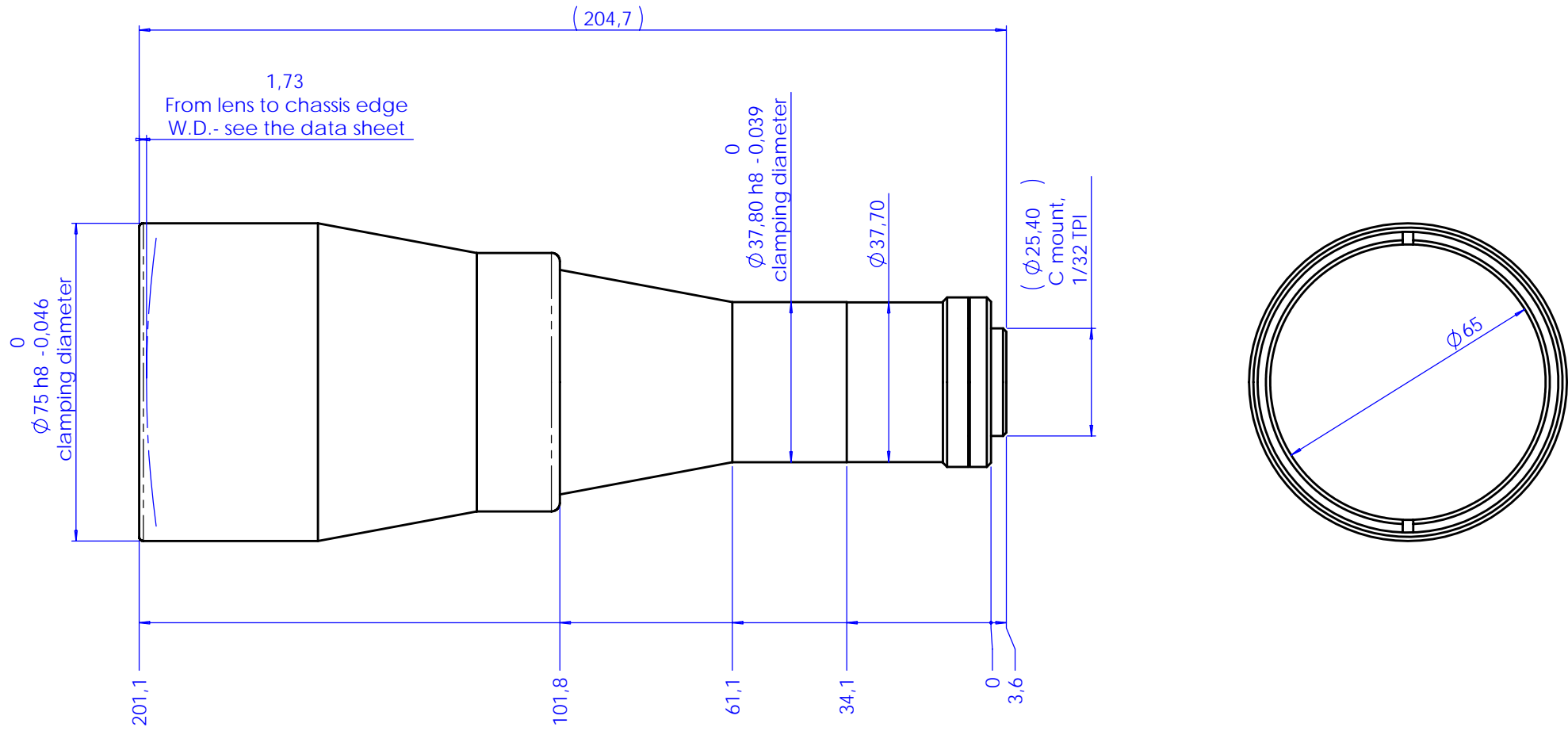


Direct illumination:
compatible with LTRN64 diffusive
anular illuminators.



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	07/02/07	A.Vismara



Material	N.A.			Mass	0.75 kg	Scale	1:1
Surface treatment	N.A.			Project-Prod.Item/Instrument		Telecentric lens 23 48	
Geometrical tolerance (ISO 2768-2)			Class	K	Description		
Linear tolerance (ISO 2768-2)			Class	m	Undimensioned bevels	1x45°	Assembly
0.5	>3-	>6-	>30+	>120	>400+	>1000	
+3	6	30	120	+400	1000	+2000	R 0.5
±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
			Date	Name		Drawing No.	
www.opto-engineering.com			Designed	07/02/07	A.Vismara		01351-0-A
			Draw	07/02/07	A.Vismara		1/1
			Checked	X	C. Sedazzari		Reproduction forbidden without specific authorization
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