

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



Part Number	TC 23 64	
Magnification		0,138 +/- 3%
Field Of View	(mm x mm)	
with 1/4" (3,6 x 2,7) detector		26,2 x 19,6
with 1/3" (4,8 x 3,6) detector		34,9 x 26,2
with 1/2" (6,4 x 4,8) detector		46,5 x 34,9
with 1/1.8" (7,13 x 5,37) detector		51,8 x 39,0
with 2/3" (8,8 x 6,6) detector		64,0 x 48,0
Working Distance	(mm)	182,3 +/- 5
Working F-number		8
Telecentricity	(degree)	< 0,08
Distortion	(%)	<0,07
Field Depth	(mm)	35,0
CTF @70 lp/mm	(%)	> 50
Image side N.A.		0,0620
Object side N.A.		0,0086
Mount		C
Length	(mm)	245,5
External diameter	(mm)	100,0
Weight	(g)	1100

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 and LTBK80
illuminators.



Clamping Mechanics:
compatible with CMHO64.

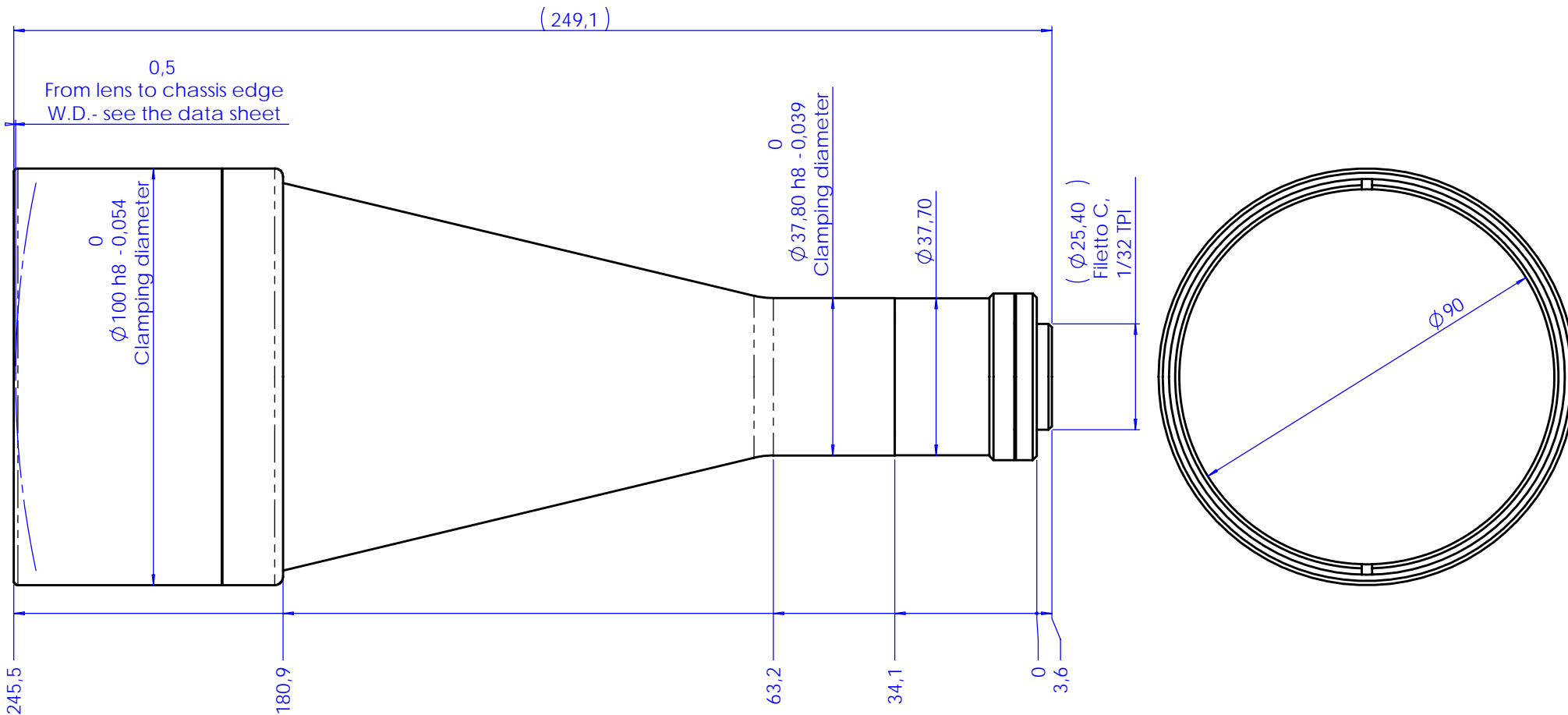


Direct illumination:
compatible with LTRN64 diffusive
anular illuminators.



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	01/05/03	A.Vismara
D	Redesign	15/02/06	A.Vismara



Material	N.A.			Mass	1.1 kg	Scale	1:1
Surface treatment	N.A.			Project-Prod.Item/Instrument Telecentric lens 23 64			
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
www.opto-engineering.com			Date		Name		
			Designed	15/02/06	A.Vismara		
			Draw	15/02/06	A.Vismara		
			Checked	X	C. Sedazzari		
Drawing No.				01401-0-D		Sheet	
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