

BI-TELECENTRIC LENS FOR DETECTORS UP TO 1/2"



Part Number		TC 12 56
Magnification		0,114 +/- 3%
Field Of View	(mm x mm)	
with 1/4" (3,6 x 2,7) detector		31,5 x 23,6
with 1/3" (4,8 x 3,6) detector		42,0 x 31,5
with 1/2" (6,4 x 4,8) detector		56,0 x 42,0
with 1/1.8" (7,13 x 5,37) detector		62,4 x 47,0
with 2/3" (8,8 x 6,6) detector		diam. = 57,7
Working Distance	(mm)	159,3 +/- 5
Working F-number		8
Telecentricity	(degree)	< 0,08
Distortion	(%)	< 0,08
Field Depth	(mm)	51,0
CTF @70 lp/mm	(%)	> 50
Image side N.A.		0,0620
Object side N.A.		0,0071
Mount		C
Length	(mm)	205,0
External diameter	(mm)	80,0
Weight	(g)	950

Possible vignetting at the image corners with 1/1.8" detectors

ACCESSORIES AND OPTIONS:



Collimated/Telecentric illumination:
compatible with LTCL56 illuminator;
green light suggested.



Coaxial illumination:
Compatible with LTCX64 illuminator.



Back Light illumination:
Compatible with LTBK64 and LTBK80
illuminators.



Clamping Mechanics:
compatible with CMH056.

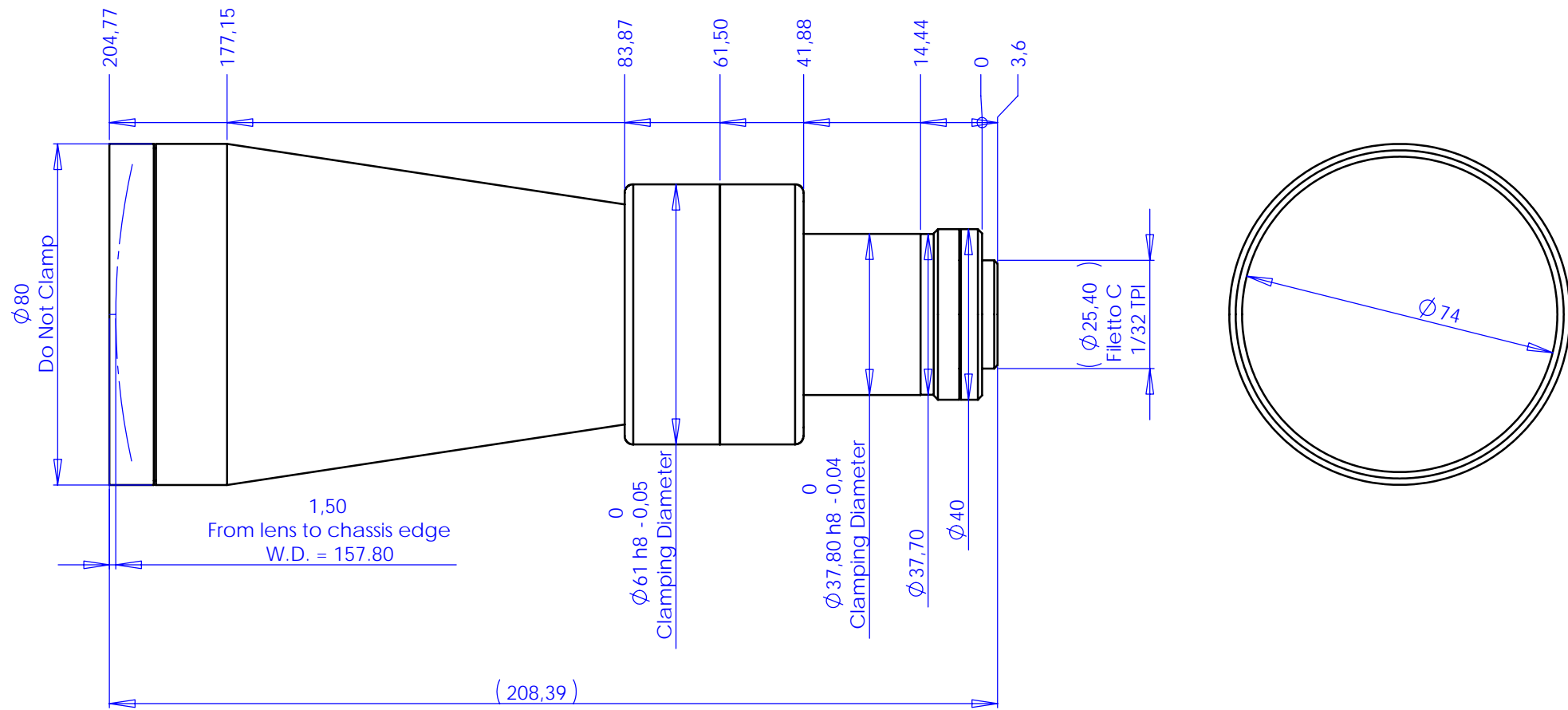


Direct illumination:
compatible with LTRN64 diffusive
anular illuminators.



Filters:
filters can be inserted in the rear part
of the lens, by means of TC Filter Kit.

Rev No.	Description	Date	Name
D	Assieme TC1256 - Nuova Versione	25/03/06	A. Bnà



Material			Mass	Scale 1:1					
Surface treatment			Project-Prod.Item/Instrument TC 12 56						
Geometrical tolerance (ISO 2768-2) Linear tolerance (ISO 2768-2)		Class K Class m	Undimensioned bevels Undimensioned radii	Description Assembly					
0.5	>3-	>6-	>30-	>120	>400-	>1000	>2000	1x45°	Drawing No. 13671-0-D-TC1256
+3	6	30	120	+400	1000	+2000	+4000	R 0.5	
±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2		
		Date		Name	Drawing No.		Sheet		
www.opto-engineering.com		Designed	25/03/06	A. Bnà	13671-0-D-TC1256		1/1		
		Draw	25/03/06	A. Bnà					
		Checked	X	C. Sedazzari					
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