

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



Part Number		TC 23 130
Magnification		0,068 +/- 3%
Field Of View	(mm x mm)	
with 1/4" (3,6 x 2,7) detector		53,2 x 39,9
with 1/3" (4,8 x 3,6) detector		70,9 x 53,2
with 1/2" (6,4 x 4,8) detector		94,5 x 70,9
with 1/1.8" (7,13 x 5,37) detector		105,3 x 79,3
with 2/3" (8,8 x 6,6) detector		130,0 x 97,5
Working Distance	(mm)	398,0 +/- 12
Working F-number		8
Telecentricity	(degree)	< 0,08
Distortion	(%)	<0,1
Field Depth	(mm)	146,0
CTF @70 lp/mm	(%)	> 40
Image side N.A.		0,0620
Object side N.A.		0,0042
Mount		C
Length	(mm)	490,0
External diameter	(mm)	200,0
Weight	(g)	6500

ACCESSORIES AND OPTIONS:



Collimated/Telecentric illumination:
compatible with LTCL144 illuminator;
green light suggested.



Coaxial illumination:
not available.



Back Light illumination:
compatible with LTBK192 illuminator.



Clamping Mechanics:
use the built-in holed flange to mount
the lens.

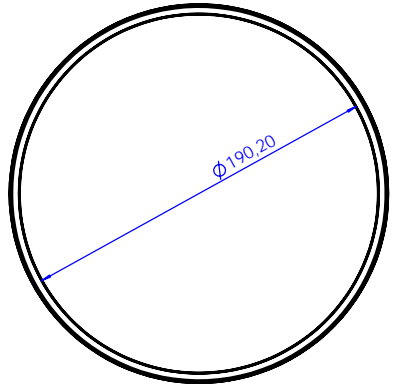
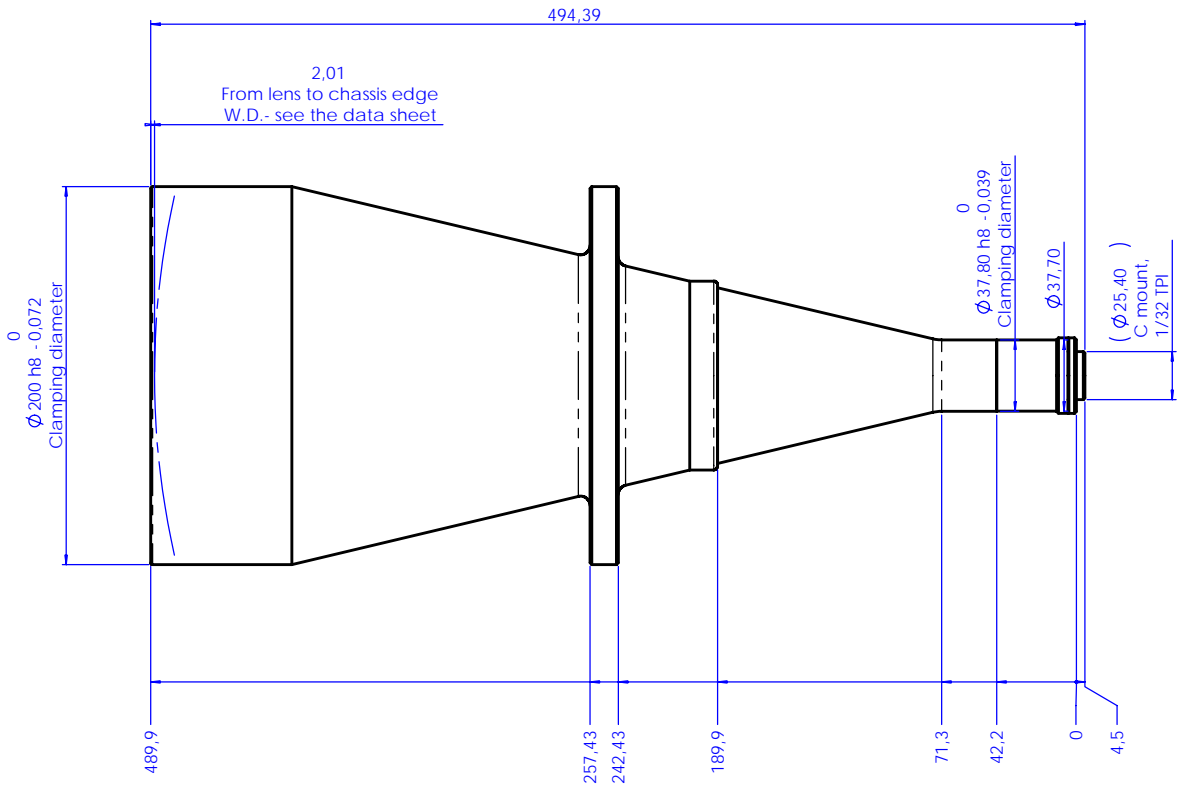
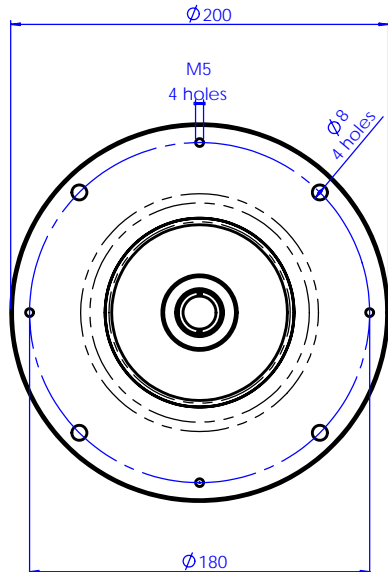


Direct illumination:
not available.



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	15/06/06	A.Vismara



Material	N.A.	Mass	6.6 kg	Scale	1:2
Surface treatment	N.A.	Project-Prod.Item/Instrument Telecentric lens 23 130			
Geometrical tolerance (ISO 2768-2)		Class	K	Undimensioned Bevels	1x45°
Linear tolerance (ISO 2768-2)		Class	m	Undimensioned radii	R 0.5
0.5	>3-	>6-	>30-	>120	>400-
-3	6	30	120	400	1000
±0.1	±0.1	±0.2	±0.3	±0.5	±0.8
		Class	m	±1.2	±2
www.opto-engineering.com		Date	Name		
Designed		15/06/06	A.Vismara		
Draw		15/06/06	A.Vismara		
Checked		x	C.Sedazzari		
Drawing No.		02271-0-A			
Sheet		1/1			

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