

## TC 4M 48

# Bi-Telecentric Lens for Large Detectors up to 1.2" (21.5 mm diagonal)



part number	TC 4M 48 (C/F)	
<b>Magnification</b>	0,368 +/- 3%	
<b>Field Of View</b>	(mm)	
with IBIS4-6600	28,6	x 21,0
with KAI2020	32,2	x 24,2
with KAI 2093	38,7	x 21,7
with MI-MV40	44,8	x 32,9
with KAI4011/4021	41,2	x 41,2
<b>Working Distance</b>	(mm)	134,6 +/- 4
<b>Working F-number</b>	16	
<b>Telecentricity</b>	(degree)	< 0,1
<b>Distortion</b>	(%)	< 0,1
<b>Field Depth</b>	(mm)	9,0
<b>CTF @50 lp/mm</b>	(%)	> 30
<b>Image side N.A.</b>	0,0310	
<b>Object side N.A.</b>	0,0110	
<b>Mount</b>	C or F	
<b>Length</b>	(mm)	306,0
<b>External diameter</b>	(mm)	75,0
<b>Weight</b>	(g)	1150

### ACCESSORIES AND OPTIONS:

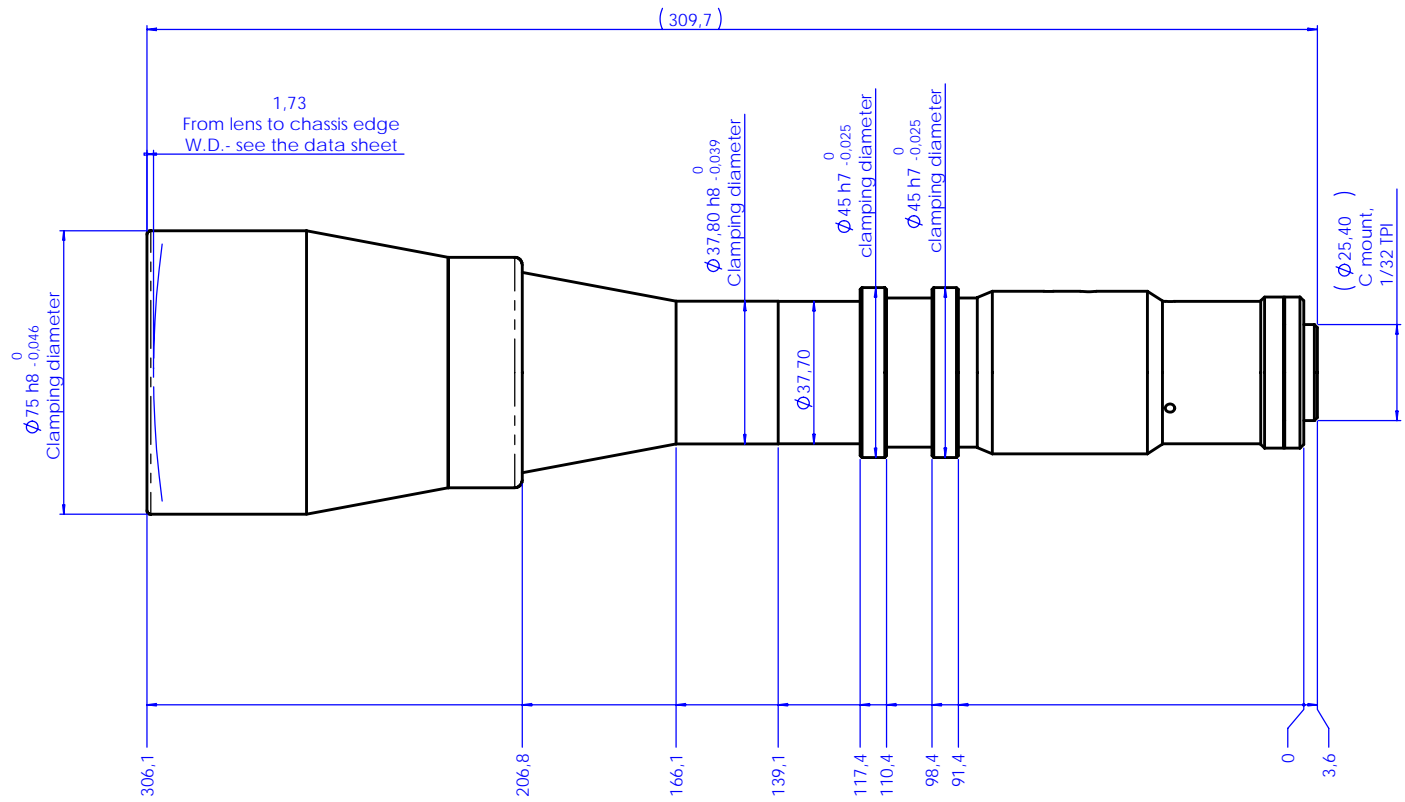


**Collimated/Telecentric illumination:**  
Compatible with LTCL48 illuminator;  
green light suggested.



**Clamping Mechanics:**  
Compatible with CMH048.

Rev No.	Description	Date	Name
A	First light	07/02/07	A.Vismara



Material	N.A.	Mass	1.1 kg	Scale	1:1
Surface treatment	N.A.	Project-Prod.Item/Instrument Telecentric lens TC 4M 48			
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
					+1.2
Date		Name			
Designed	07/02/07	A.Vismara			
Draw	07/02/07	A.Vismara			
Checked	x	C.Sedazzari			
Drawing No.		Sheet			
13753-0-A		1/1			
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