

TCL 040

BI-TELECENTRIC LENS FOR 4KPIX LINEAR DETECTORS



Part Number	TCL 040	
Magnification		0,665 +/- 3%
Field Of View	(mm)	
with 4k x 7 μ m detector		43,1
with 2k x 14 μ m detector		43,1
with 2k x 10 μ m detector		30,8
with 2k x 7 μ m detector		21,5
with 1k x 10 μ m detector		15,3
Working Distance	(mm)	184,0 +/- 6
Working F-number		12
Telecentricity	(%)	<0,1
Distortion	(mm)	<0,08
Field Depth		1,8
CTF @70 lp/mm		>30
Image side N.A.	(degree)	0,0410
Object side N.A.	(%)	0,0270
Mount		F
Length	(mm)	288,0
External diameter	(mm)	75,0
Weight	(g)	1400

ACCESSORIES AND OPTIONS:



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



Coaxial illumination:
compatible with LTCX64 illuminator.



Back Light illumination:
compatible with LTBK48 illuminator.



Clamping Mechanics:
not available

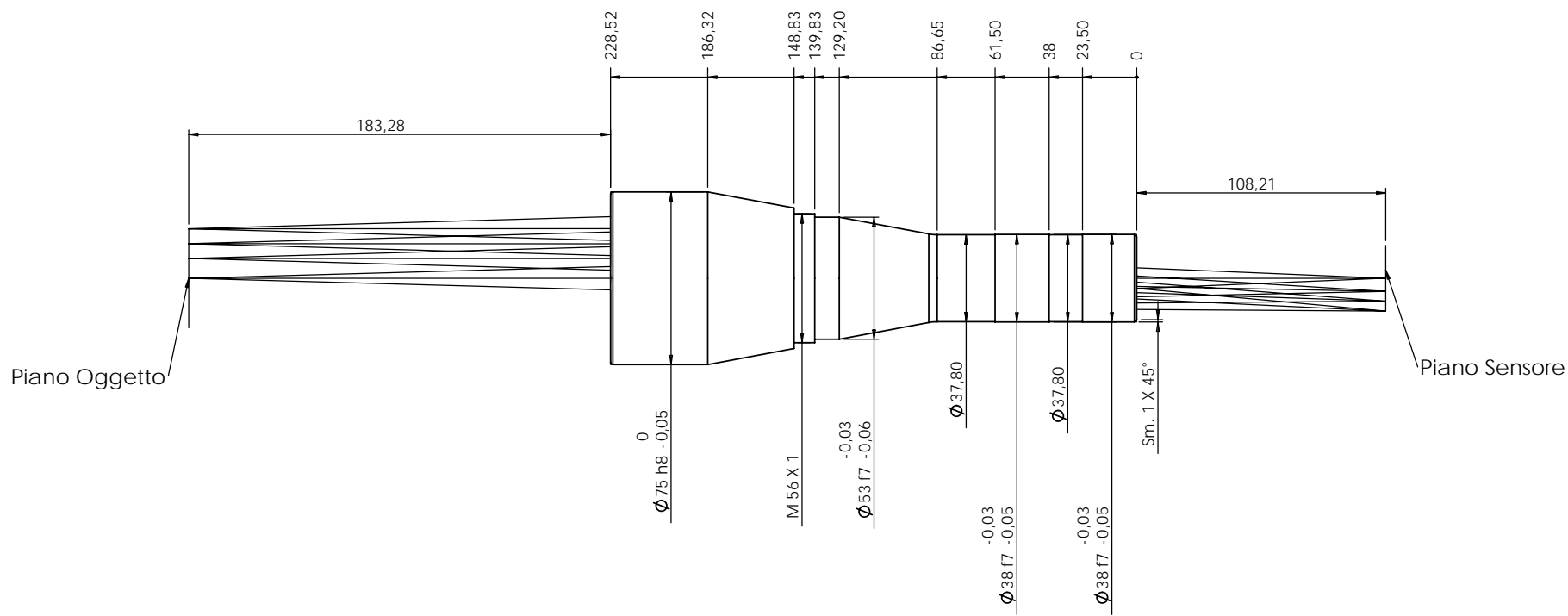


Direct illumination:
compatible with LTRN64 diffusive
anular illuminators.



Filters:
not available.

Rev No.	Description	Date	Name
A	Layout	23/07/08	A. Bnà



Material	N.A.			Mass	Scale	1:2
Surface treatment	N.A.			Project-Prod Item/Instrument	TCL040	
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-	>1000
-3	6	30	120	+400	1000	+2000
±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2
Date			Name		Drawing No.	Sheet
Designed			23/07/08	A. Bnà	Preliminary Layout	1/1
Draw			23/07/08	A. Bnà		
Checked			X	C.Sedazzari		
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