

TCL 120

BI-TELECENTRIC LENS FOR 4KPIX LINEAR DETECTORS



Model:	TCL 120	
Magnification (X):	0,239 +/- 3%	
Object Field (mm):	4k x 7 μ m (28,7 mm): 2k x 10 μ m (20,5 mm): 2k x 7 μ m (14,3 mm): 1k x 10 μ m (10,2 mm):	120,0 85,7 59,8 42,7
Working Distance (mm):	250,0 +/- 8	
Working F-number:	9	
MTF @70 lp/mm (%):	>30	
Field Depth (mm):	15,0 @ F/ 9	
Image side N.A.:	0,055	
Object side N.A.:	0,013	
Telecentricity (degree):	<0,1	
Distortion (%):	<0,15	
Mount:	F	
Length (mm):	424	
Maximum external diameter (mm):	146	
Weigh (g):	3900	

ACCESSORIES AND OPTIONS:



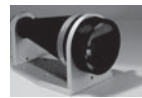
Collimated/Telecentric illumination:
compatible with LTCL96 illuminator;
green lighth suggested.



Coaxial illumination:
not available.



Back Light illumination:
compatible with LTBK96 illuminator.



Clamping Mechanics:
not available

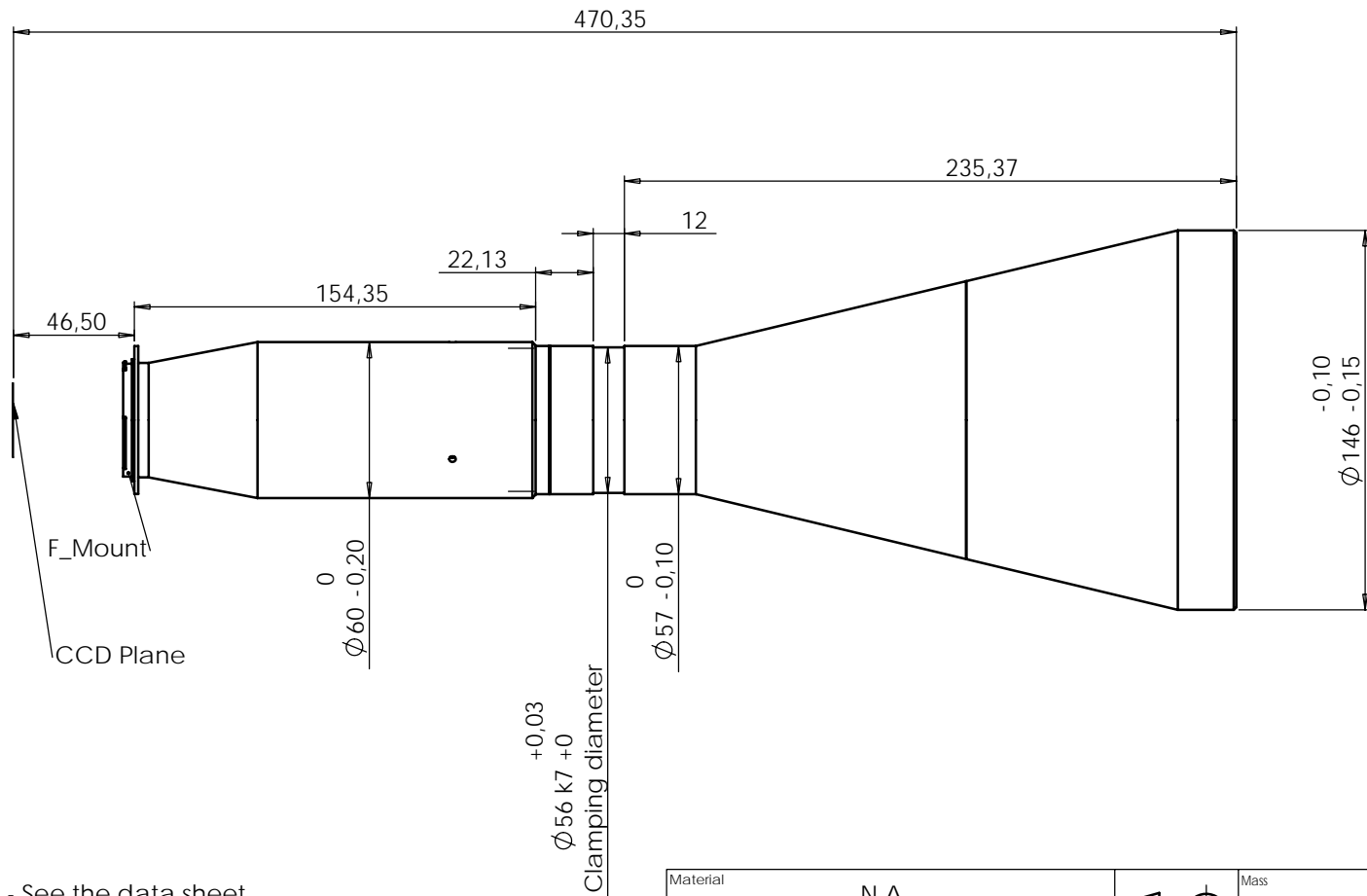


Direct illumination:
not available.



Filters:
not available.

Rev No.	Description	Date	Name
E	Layout	05/07/07	A. Bnà



W.D- - See the data sheet

Material	N.A.			Mass	Scale	1:2	
Surface treatment	N.A.			Project-Prod.Item/Instrument TCL 120			
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	>2000
±3	6	30	120	±400	1000	±2000	±4000
±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
www.opto-engineering.com			Date	Name	Design No.	Sheet	
			Designed	05/07/07	A. Bnà	11034-0-E-TCL120	
			Draw	05/07/07	A. Bnà		
			Checked	X	C. Sedazzari		
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