

## TC 16M 064

0,56x Telecentric Lens for 35mm-type  
and line Detectors (43 mm diagonal)



part number	TC 16M 064	
<b>Magnification</b>	0,561 +/- 3%	
<b>Field Of View</b>		
with 36 x 24 mm detector	(mm)	64,3 x 42,9
with 4k x 10 μm detector		73,1
with 4k x 7 μm detector		51,1
with 2k x 14 μm detector		51,1
with 2k x 10 μm detector		36,5
<b>Working Distance</b>	(mm)	171,0 +/- 5
<b>Working F-number</b>		16
<b>Telecentricity</b>	(degree)	< 0,08
<b>Distortion</b>	(%)	< 0,15
<b>Field Depth</b>	(mm)	4,0
<b>CTF @50 lp/mm</b>	(%)	> 30
<b>Image side N.A.</b>		0,031
<b>Object side N.A.</b>		0,017
<b>Mount</b>		F
<b>Length</b>	(mm)	358,6
<b>External diameter</b>	(mm)	100,0
<b>Weight</b>	(g)	1380

### ACCESSORIES AND OPTIONS:

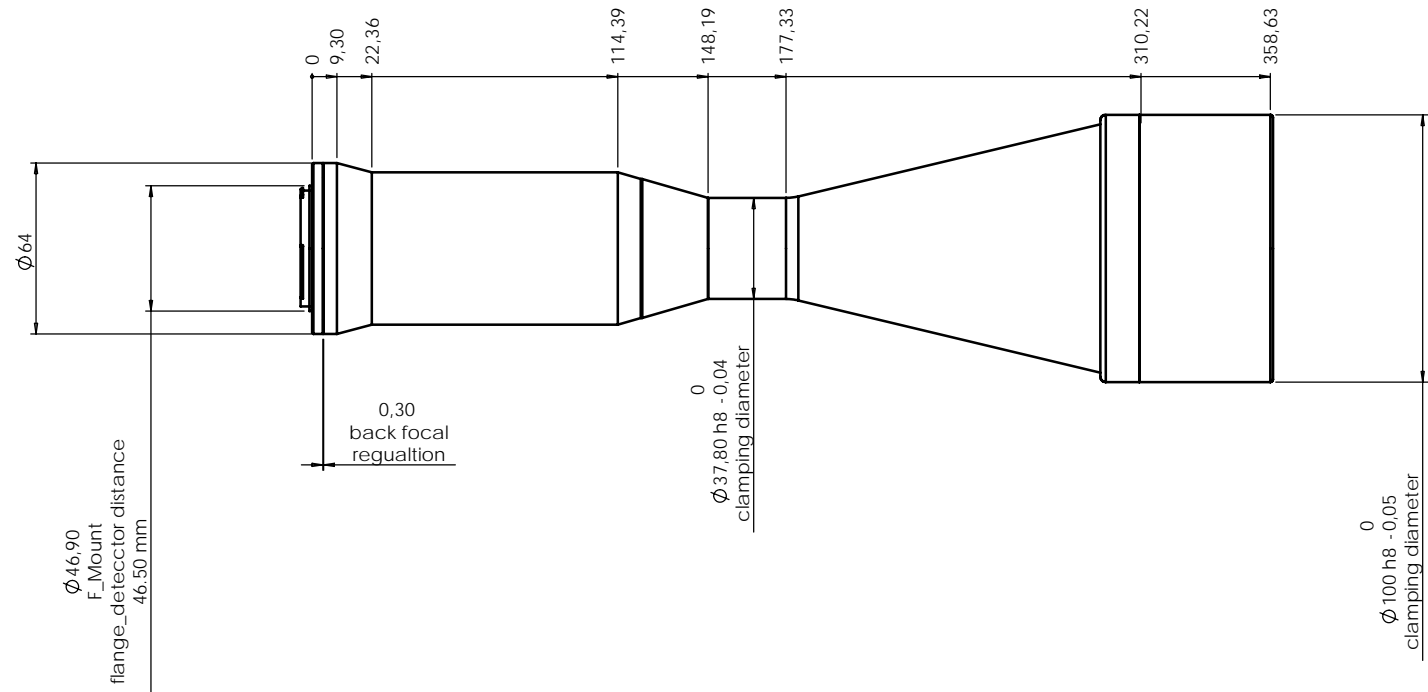


**Collimated/Telecentric illumination:**  
Compatible with LTCL64 illuminator;  
green light suggested.



**Clamping Mechanics:**  
Compatible with CMH064.

Rev No.	Description	Date	Name
A		27/01/10	



Material		Surface treatment				Mass	1380 gr.	Scale	1:2																																				
Geometrical tolerance (ISO 2768-2)						Project-Prod Item/Instrument		TC16M064																																					
<table border="1"> <thead> <tr> <th colspan="6">Linear tolerance (ISO 2768-2)</th> <th>Class</th> <th>K</th> <th>Undimensioned bevels</th> <th>1x45°</th> <th rowspan="2">Description</th> <th rowspan="2">TC16M064 Layout</th> </tr> <tr> <th>0.5</th> <th>&gt;3-</th> <th>&gt;6-</th> <th>&gt;30-</th> <th>&gt;120</th> <th>&gt;400-</th> <th>&gt;1000</th> <th>&gt;2000</th> <th>Class</th> <th>m</th> <th>Undimensioned radii</th> <th>R 0.5</th> </tr> </thead> <tbody> <tr> <td>±0.1</td> <td>±0.1</td> <td>±0.2</td> <td>±0.3</td> <td>±0.5</td> <td>±0.8</td> <td>±1.2</td> <td>±2</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Linear tolerance (ISO 2768-2)						Class	K	Undimensioned bevels	1x45°	Description	TC16M064 Layout	0.5	>3-	>6-	>30-	>120	>400-	>1000	>2000	Class	m	Undimensioned radii	R 0.5	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2					Description		TC16M064 Layout	
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OPTO ENGINEERING S.r.l. - 46100 Mantova Italy - Via Cremona, 29/2 - Tel. +39 0376 263565 - e-mai: info@opto-engineering.com - http://www.opto-engineering.com						Reproduction forbidden without specific authorization																																							