

## TC 16M 048

# 0,75x Telecentric Lens for 35mm-type and line Detectors (43 mm diagonal)



part number	TC 16M 048	
<b>Magnification</b>		0,751 +/- 3%
<b>Field Of View</b>	(mm)	
with 36 x 24 mm detector		48,0 x 32,0
with 4k x 10 µm detector		54,6
with 4k x 7 µm detector		38,2
with 2k x 14 µm detector		38,2
with 2k x 10 µm detector		27,3
<b>Working Distance</b>	(mm)	127,0 +/- 4
<b>Working F-number</b>		16
<b>Telecentricity</b>	(degree)	< 0,1
<b>Distortion</b>	(%)	< 0,1
<b>Field Depth</b>	(mm)	2,0
<b>CTF @50 lp/mm</b>	(%)	> 30
<b>Image side N.A.</b>		0,031
<b>Object side N.A.</b>		0,023
<b>Mount</b>		F
<b>Length</b>	(mm)	315,2
<b>External diameter</b>	(mm)	75,0
<b>Weight</b>	(g)	1000

### ACCESSORIES AND OPTIONS:

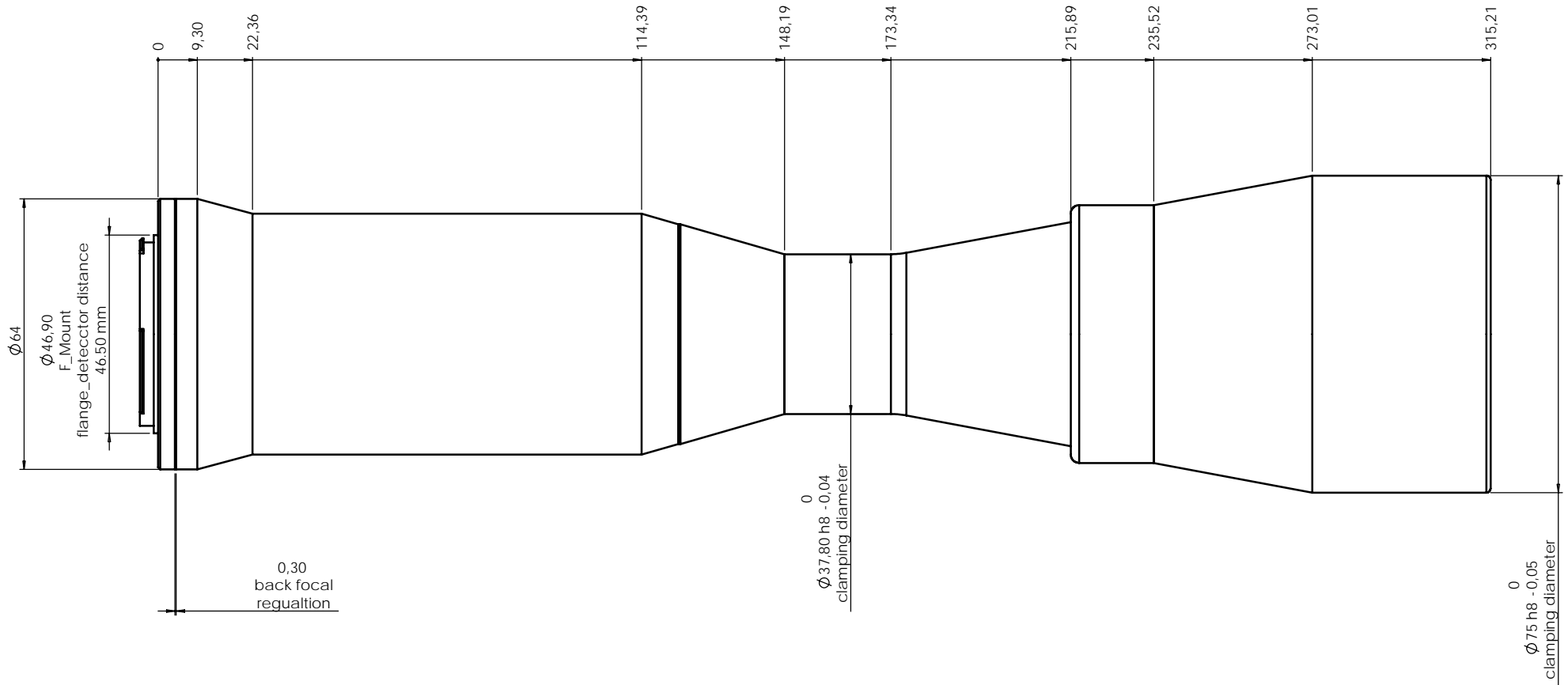


**Collimated/Telecentric illumination:**  
Compatible with LTCL48 illuminator;  
green light suggested.



**Clamping Mechanics:**  
Compatible with CMH048.

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



Material		Surface treatment		Mass 1000 gr.		Scale 1:1																																									
Geometrical tolerance (ISO 2768-2)				Project-Prod Item/Instrument TC16M048		Description TC16M048 Layout																																									
<table border="1"> <thead> <tr> <th colspan="2">Linear tolerance (ISO 2768-2)</th> <th>Class</th> <th>K</th> <th>Undimensioned bevels</th> <th>1x45°</th> <th colspan="2">Description</th> </tr> <tr> <th></th> <th></th> <th></th> <th>m</th> <th></th> <th>R 0.5</th> <th colspan="2">TC16M048 Layout</th> </tr> </thead> <tbody> <tr> <td>0.5</td> <td>&gt;3-</td> <td>&gt;6-</td> <td>&gt;30-</td> <td>&gt;120</td> <td>&gt;400-</td> <td>&gt;1000</td> <td>&gt;2000</td> </tr> <tr> <td>±3</td> <td>6</td> <td>30</td> <td>120</td> <td>±400</td> <td>1000</td> <td>±2000</td> <td>±4000</td> </tr> <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> </tr> </tbody> </table>				Linear tolerance (ISO 2768-2)		Class	K	Undimensioned bevels	1x45°	Description					m		R 0.5	TC16M048 Layout		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	Undimensioned radii		Drawing No.	
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