

TECHSPEC[®] 2X, 300mm WD, In-Line CompactTL[™] Telecentric Lens



300mm WD, 2X, In-Line Version (Left) and MS Version (Right)



Stock #33-115

CONTACT US

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+

₹72,067

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 Price inclusive of all taxes

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Qty 1+	₹72,067 each
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General	
CompactTL [™] Series	Product Family:
Edmund Optics [®]	Manufacturer:
Telecentric Lens	Type:
	Type of Illumination:

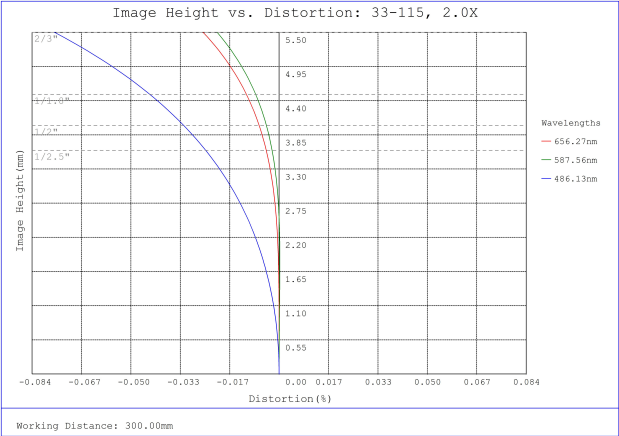
In-Line Illumination	
Physical & Mechanical Properties	
Iris Option:	Fixed
Length (mm):	198.90
Length excluding Threads (mm):	198.90
Maximum Diameter (mm):	31
Weight (g):	129
Optical Properties	
Horizontal Field of View, 2/3" Sensor:	4.4mm
Horizontal Field of View, 1/2" Sensor:	3.2mm
Horizontal Field of View, 1/3" Sensor:	2.4mm
Maximum Image Circle (mm):	11.00
Numerical Aperture NA, Object Side:	0.035
Working Distance Tolerance (mm):	±2
Number of Elements (Groups):	6 (5)
Typical Telecentricity @ 588nm (°):	0.049
Typical Distortion @ 588nm (%):	0.0301
Primary Magnification PMAG:	2X
Telecentric Lens Magnification:	2.00
Working Distance (mm):	300
FOV @ Max Sensor Format, H x V (mm):	4.4 x 3.3
Aperture (f/#):	f/28.5
Coating:	λ/4 MgF ₂
Depth of Field (mm):	±0.3mm (20% @ 20 lp/mm)
Magnification:	2X
Lens Wavelength Range:	VIS
Sensor	
Maximum Sensor Format:	2/3"
Pixel Size (µm):	4.50
Threading & Mounting	
Filter Thread:	M29.0 x 0.50 (Female)
Mount:	C-Mount
Regulatory Compliance	
RoHS 2015:	Compliant
Certificate of Conformance:	View
REACH 241:	Compliant
Country of Origin:	China
Imported By:	

Product Details

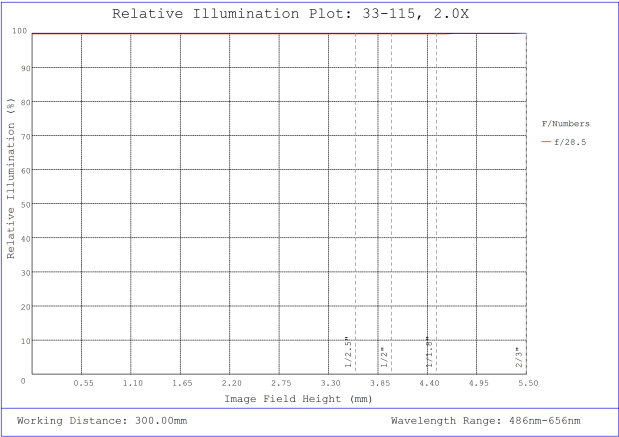
- 2/3", C-Mount Telecentric Lens
- Up to 2.3 MegaPixels, 4.5µm Pixel Size Sensors
- Small Telecentric Lens with Coaxial Illumination Options

TECHSPEC® CompactTL™ Telecentric Lenses are designed for applications with tight space constraints due to their ultra-compact design. These lenses feature a 2/3" sensor format and a variety of different working distance and magnification options. From single unit to high volume implementation, these lenses provide a great price to performance ratio. TECHSPEC® CompactTL™ Telecentric Lenses are perfect for integration into gauging systems due to their excellent telecentricity and low distortion. The fixed iris and lockable focus make these lenses ideal for implementation into factory floors and assembly lines, as they will remain fixed over time.

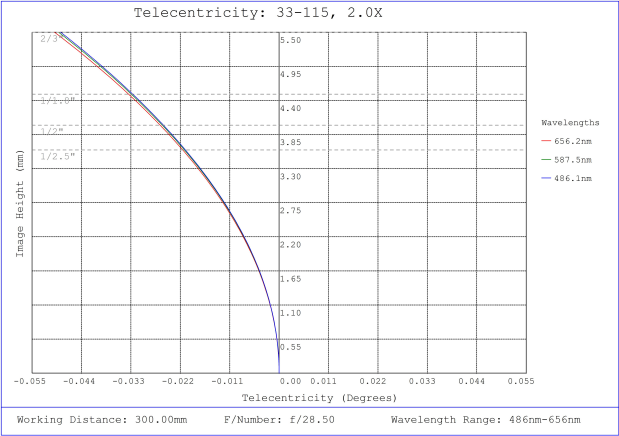
Technical Information



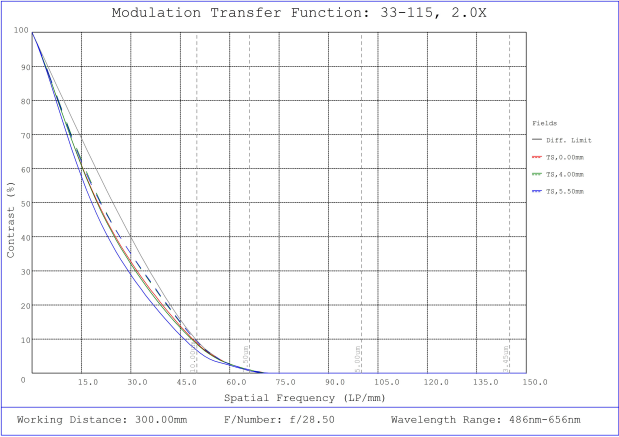
#33-115, 2X, 300mm WD, In-Line CompactTL™ Telecentric Lens, Distortion Plot



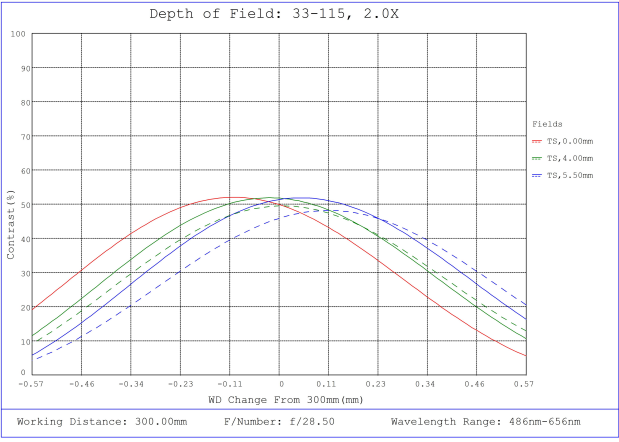
#33-115, 2X, 300mm WD, In-Line CompactTL™ Telecentric Lens, Relative Illumination Plot



#33-115, 2X, 300mm WD, In-Line CompactTL™ Telecentric Lens, Telecentricity Plot



#33-115, 2X, 300mm WD, In-Line CompactTL™ Telecentric Lens, Modulated Transfer Function (MTF) Plot, 300mm Working Distance, f28.5



#33-115, 2X, 300mm WD, In-Line CompactTL™ Telecentric Lens, Depth of Field Plot, 300mm Working Distance, f28.5