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

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

Stock **#33-115** **11 In Stock**

- 1 + **S$769**.00

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Qty 1+	**S$769.00** each
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General

Product Family:	CompactTL™ Series
Manufacturer:	Edmund Optics®
Type:	Telecentric Lens
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

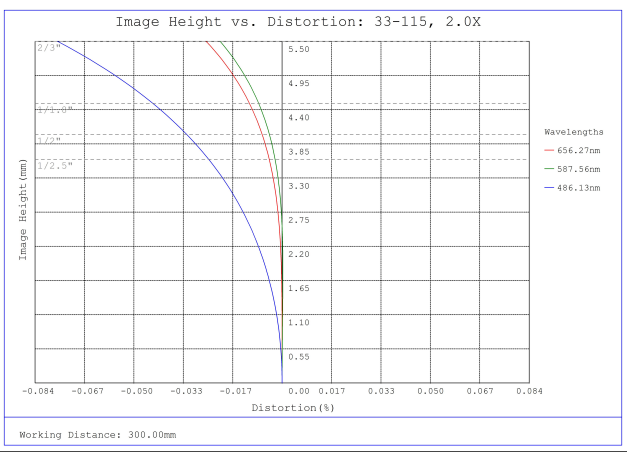
REACH 241:
Compliant

Product Details

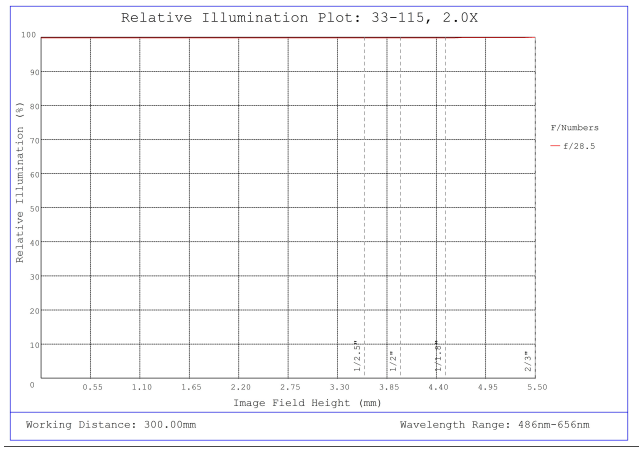
- 2/3", C-Mount Telecentric Lens
- Up to 2.3 MegaPixels, 4.5µm Pixel Size Sensors
- Small Telecentric Lens with Coaxial Illumination Options

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.

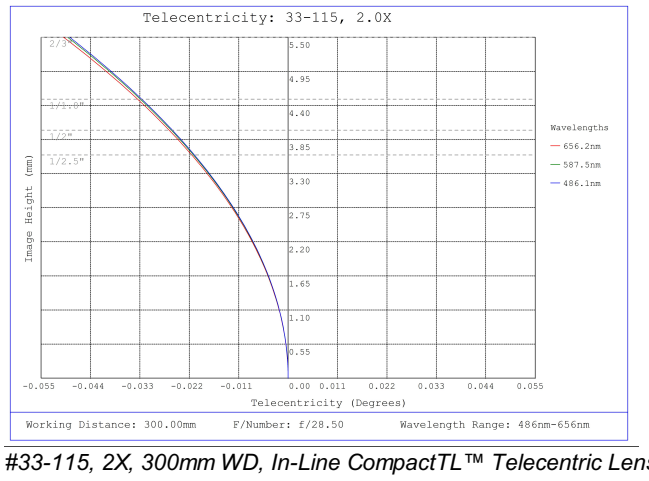
Technical Information



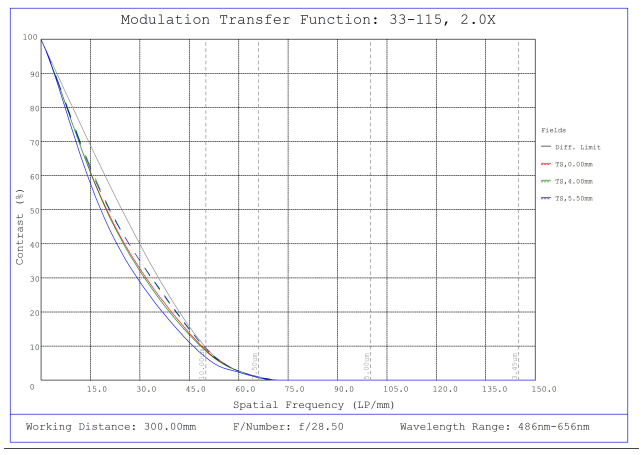
#33-115, 2X, 300mm WD, In-Line CompactTL™ Telecentric Lens, Distortion Plot



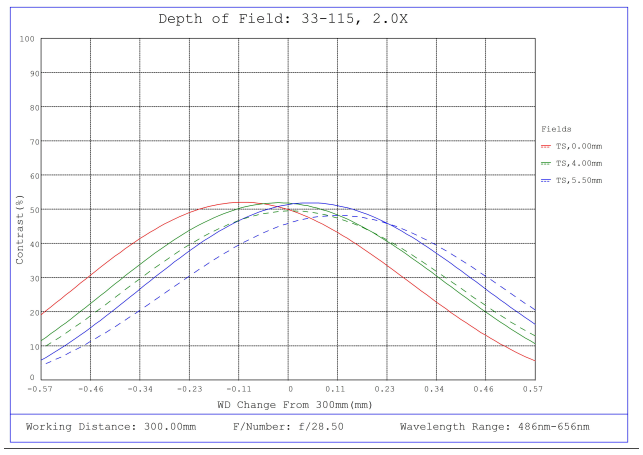
#33-115, 2X, 300mm WD, In-Line CompactTL™ Telecentric Lens, Relative Illumination Plot



#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

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