

# C-Mount Mega-Pixel Lens

## Xenon 0.95/17-0010

This 2 / 3" megapixel lens has an extremely high relative aperture of 0.95, making it perfectly suitable for low light applications. The lens is corrected and coated for the visible light in the range of 400 - 700 nm. Even under production and / or extreme conditions, the robust mechanical design with lockable focus and iris setting mechanism guarantees reliable continuous use in which the set optical parameters remain in place.



Xenon 0.95/17

### Key Features

- Very high relative aperture of 0.95
- Complex optical design
- High optical imaging performance
- Compact full metal mount
- Vibration insensitivity for stable imaging performance
- Focus and iris setting lockable

### Applications

- Machine Vision and other imaging applications
- 3D measurement
- Traffic
- Medical
- Robot vision
- Food processing

### Technical Specifications

F-number	0.95
Focal length	17.0 mm
Image circle	11 mm
Transmission	400 - 700 nm
Interface	C-Mount
Weight	190 gr.
Filter tread	M35.5 x 0.5
Code no.	10456

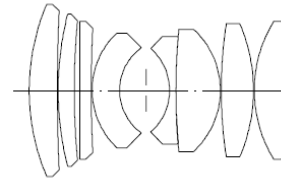
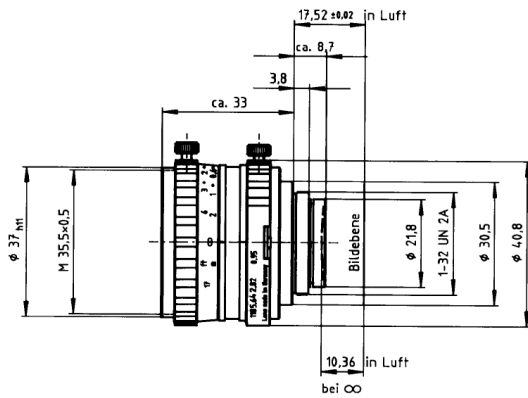
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# Xenon 0.95/17



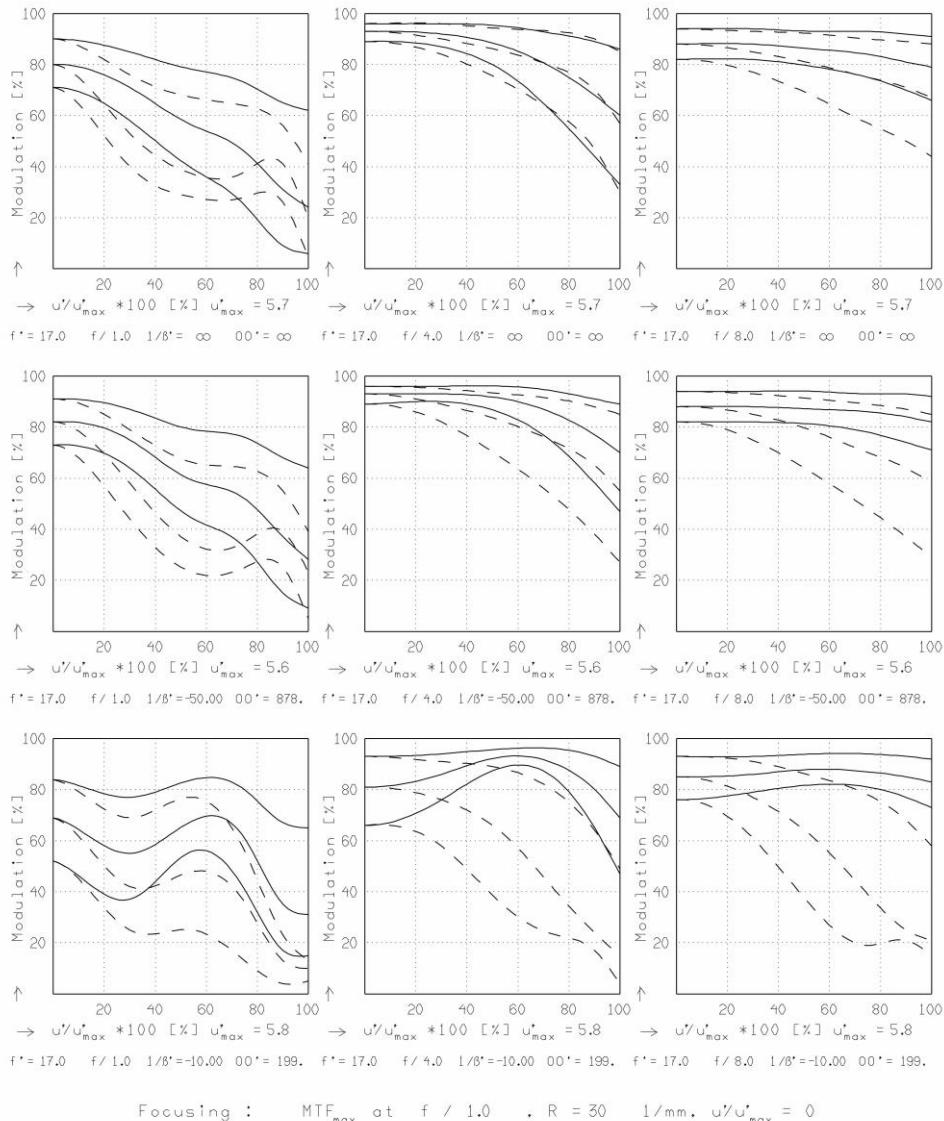
## XENON 0.95/17MM

$f^*$	= 17.0 mm	$\beta_p^*$	= 7.018
$s_F$	= 14.8 mm	$s_{EP}$	= 17.2 mm
$s_{F^*}$	= 10.3 mm	$s_{AP}$	= -109.0 mm
$HH^*$	= -7.0 mm	$\Sigma d$	= 31.4 mm

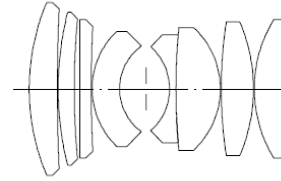
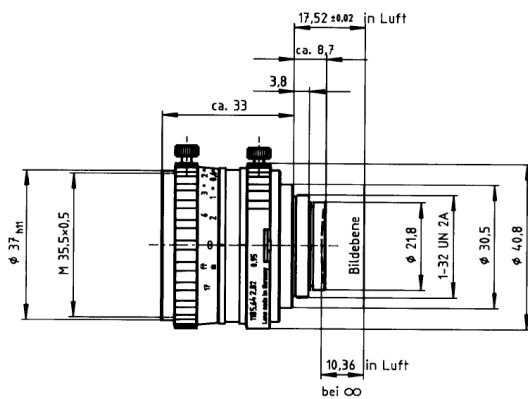
### XENON 0.95/17MM

MODULATION with reference to the relative image height

Wavelength $\lambda$	[nm]	555	655	605	505	455	405
Spectral weighting	[%]	19.6	23.7	22.2	15.7	12.1	6.7
Spatial frequency R	[1/mm]	10	20	30			
Format	[mm X mm]	6.6	8.8				
Diagonal $2u^*$	[mm]	11.0					

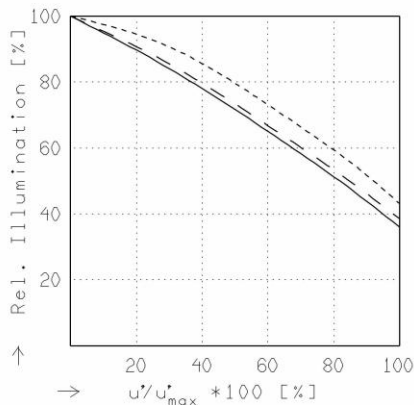


# Xenon 0.95/17



## XENON 0.95/17MM

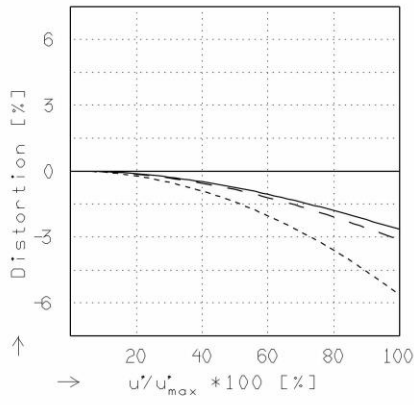
$f'$	$= 17.0$ mm	$\beta_p$	$= 7.018$
$s_F$	$= 14.8$ mm	$s_{EP}$	$= 17.2$ mm
$s_{F'}$	$= 10.3$ mm	$s_{AP}$	$= -109.0$ mm
$HH'$	$= -7.0$ mm	$\Sigma d$	$= 31.4$ mm



### RELATIVE ILLUMINATION

The relative illumination is shown for the given focal distances or magnifications.

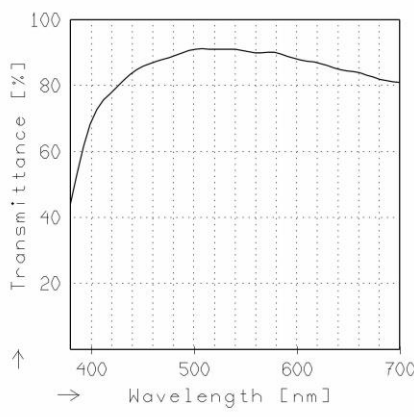
	$f / 1.0$	$f / 4.0$	$f / 8.0$
—	$\beta' = 0.0000$	$u'_{max} = 5.5$	$00' = \infty$
- -	$\beta' = -0.0200$	$u'_{max} = 5.4$	$00' = 878.$
----	$\beta' = -0.1000$	$u'_{max} = 5.5$	$00' = 199.$



### DISTORTION

Distortion is shown for the given focal distances or magnifications. Positive values indicate pincushion distortion and negative values barrel distortion.

—	$\beta' = 0.0000$	$u'_{max} = 5.5$	$00' = \infty$
- -	$\beta' = -0.0200$	$u'_{max} = 5.4$	$00' = 878.$
----	$\beta' = -0.1000$	$u'_{max} = 5.5$	$00' = 199.$



### TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

# C-Mount Mega-Pixel Lens

## Xenon 0.95/25-0037

This 1" megapixel lens has an extremely high relative aperture of 0.95, making it perfectly suitable for low light applications. The lens is corrected and coated for the visible light in the range of 400 - 700 nm. Even under production and / or extreme conditions, the robust mechanical design with lockable focus and iris setting mechanism guarantees reliable continuous use in which the set optical parameters remain in place.



Xenon 0.95/25

### Key Features

- Very high relative aperture of 0.95
- Complex optical design
- High optical imaging performance
- Compact full metal mount
- Vibration insensitivity for stable imaging performance
- Focus and iris setting lockable

### Applications

- Machine Vision and other imaging applications
- 3D measurement
- Traffic
- Medical
- Robot vision
- Food processing

### Technical Specifications

F-number	0.95
Focal length	25.6 mm
Image circle	16 mm
Transmission	400 - 700 nm
Interface	C-Mount
Weight	240 gr.
Filter tread	M39 x 0.5
Code no.	12101

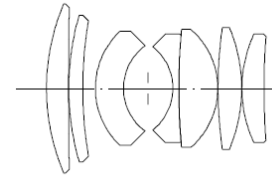
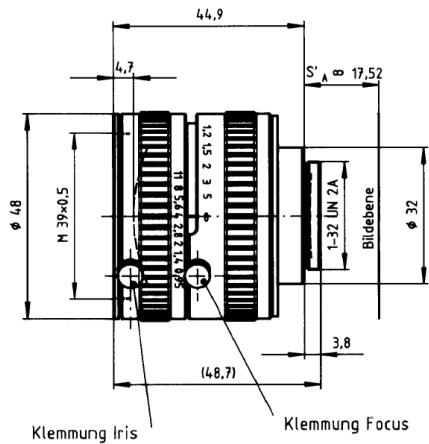
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[industrial@schneideroptics.com](mailto:industrial@schneideroptics.com)

# Xenon 0.95/25



## XENON 0.95/25MM

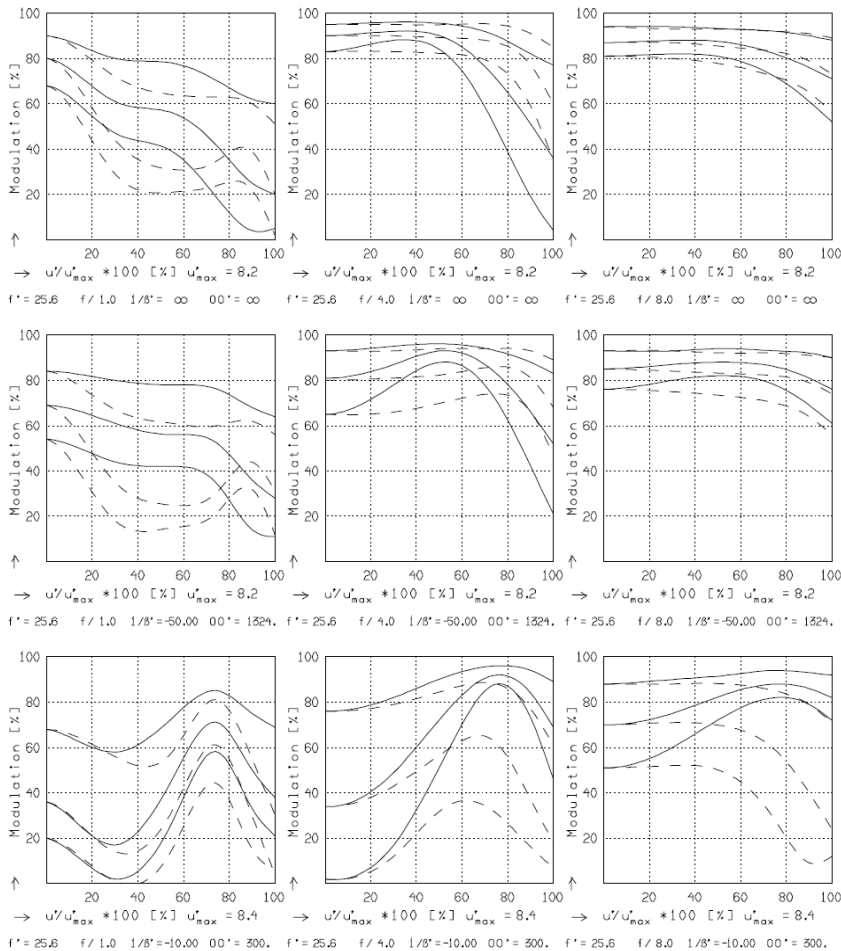
$f'$ = 25.6 mm	$\beta_p$ = 4.086
$s_F$ = 16.9 mm	$s_{EP}$ = 23.1 mm
$s_F'$ = 16.2 mm	$s_{AP}$ = -88.5 mm
$HH'$ = -10.5 mm	$\Sigma d$ = 41.4 mm

## XENON 0.95/25MM

MODULATION with reference to the relative image height

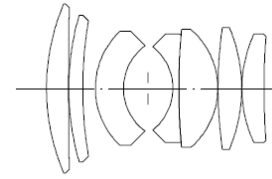
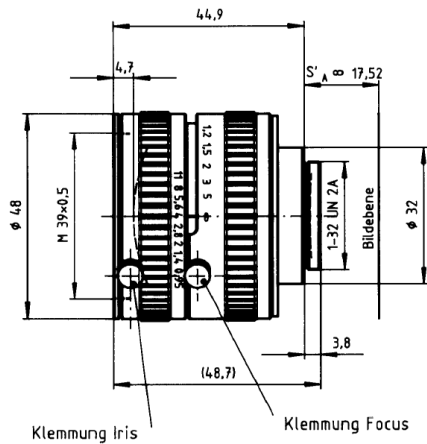
Wavelength $\lambda$ [nm] :	555	655	605	505	455	405
Spectral weighting [%] :	19.6	23.7	22.2	15.7	12.1	6.7
Spatial frequency R [1/mm] :	10	20	30			
Format [mm X mm] :	9.6	X	12.8			
Diagonal $2u'$ [mm] :	16.0					

radial —  
tangential - -



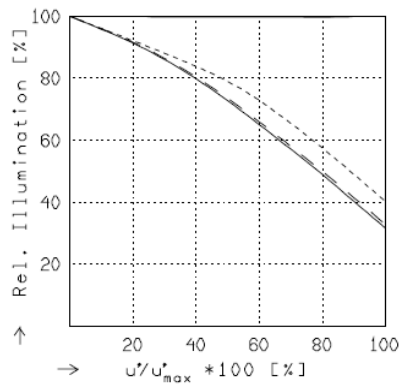
Focusing : MTF<sub>max</sub> at  $f / 1.0$  ,  $R = 30$  1/mm.  $u'/u'_{max} = 0$

# Xenon 0.95/25



## XENON 0.95/25MM

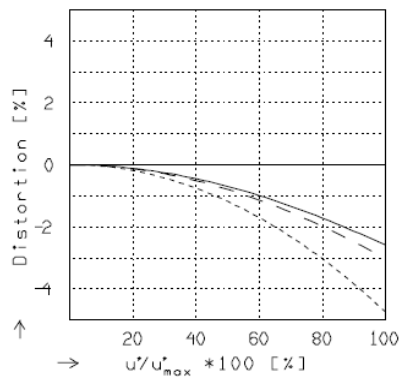
$f' = 25.6$ mm	$\beta_p = 4.086$
$s_F = 16.9$ mm	$s_{EP} = 23.1$ mm
$s_F' = 16.2$ mm	$s_{AP} = -88.5$ mm
$HH' = -10.5$ mm	$\Sigma d = 41.4$ mm



## RELATIVE ILLUMINATION

The relative illumination is shown for the given focal distances or magnifications.

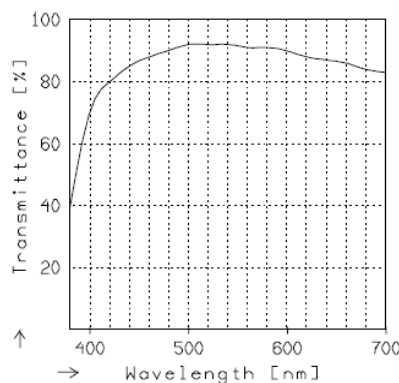
	$f / 1.0$	$f / 4.0$	$f / 8.0$
— $\beta' = 0.0000$	$u_{max}' = 8.0$	$00' = \infty$	
- - $\beta' = -0.0200$	$u_{max}' = 8.0$	$00' = 1323.$	
---- $\beta' = -0.1000$	$u_{max}' = 8.0$	$00' = 300.$	



## DISTORTION

Distortion is shown for the given focal distances or magnifications. Positive values indicate pincushion distortion and negative values barrel distortion.

— $\beta' = 0.0000$	$u_{max}' = 8.0$	$00' = \infty$
- - $\beta' = -0.0200$	$u_{max}' = 8.0$	$00' = 1323.$
---- $\beta' = -0.1000$	$u_{max}' = 8.0$	$00' = 300.$



## TRANSMITTANCE

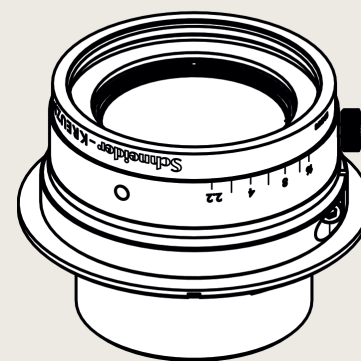
Relative spectral transmittance is shown with reference to wavelength.

# Xenon-Emerald 2.2/50

Large format 50 mm focal length lens covering up to 43.2 mm image circle, optional with V48-Mount or F-Mount developed for cameras with 29 megapixel sensors.

Distinguish a low distortion for a high optical quality over the entire image field of 43.2 mm ideal for scanning. Usable for VIS range to NIR as needed for web inspection.

The robust and compact housing with lockable focus and iris setting makes this lens ideal for sorting systems in factory environmental.



Xenon-Emerald 2.2/50

## Key features

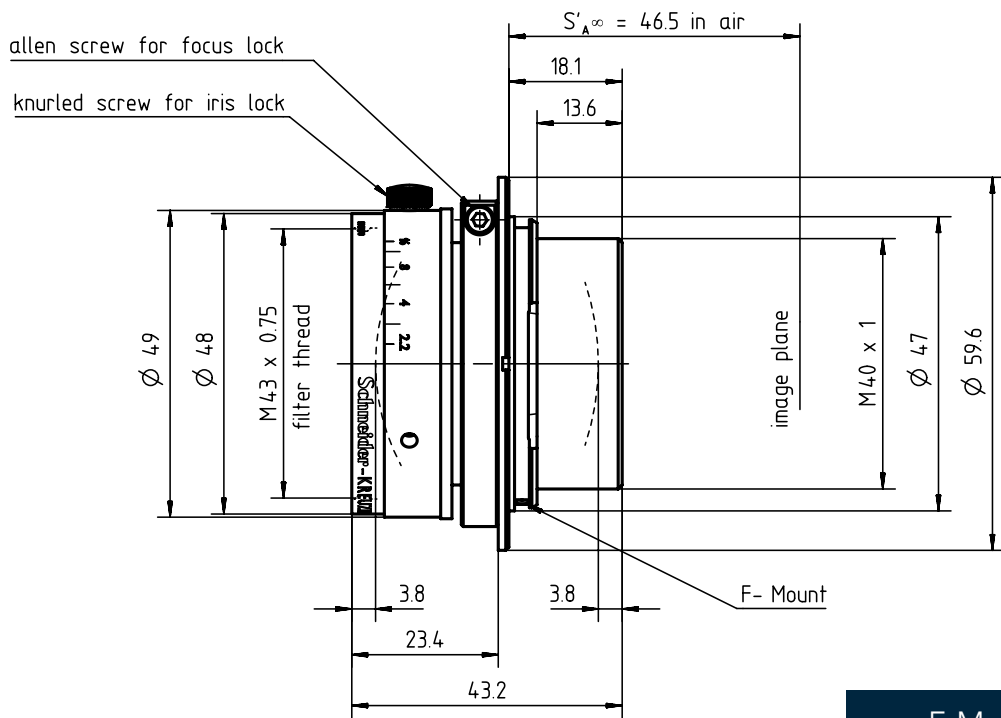
- For large sensors up to 43.2 mm diagonal
- With V48-Mount or F-Mount available
- Lockable focus and iris setting
- 400 nm to 1000 nm broadband AR coating

## Applications

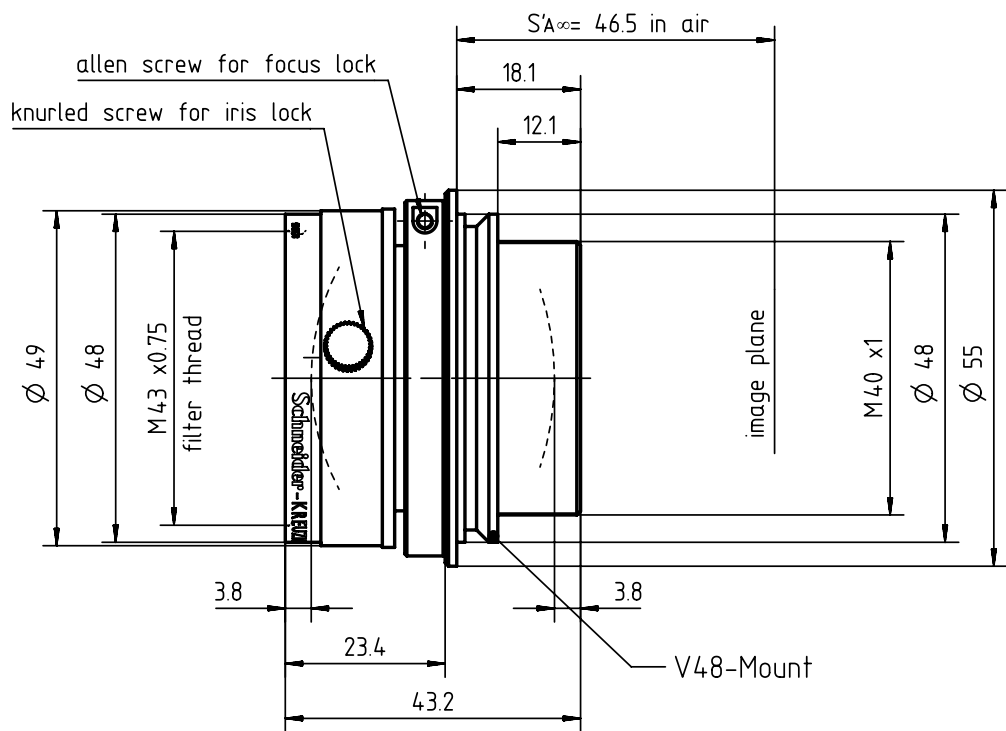
- Web inspection
- Scanner
- Logistic
- Sorting systems

Name	Xenon-Emerald 2.2/50
Type	-0002
Focal Length [mm]	50
Magnification	-0.167
Image circle [mm]	43.2
Resolution [ $\mu\text{m}$ ]	3.65
F/# range	2.2 ... 16
NA	0.23
Interface	F-Mount
Working distance [mm]	331
AoV [ $^\circ$ ]	46
Focus control	manual
Transmission [nm]	400 - 1000
Filter thread [mm]	M43 x 0.75
Dimensions L x D [mm]	43.2 x 49.0

Name	Xenon-Emerald 2.2/50
Weight [g]	203
Storage temperature [ $^\circ\text{C}$ ]	-25 ... +70
$f'_{\text{eff}}$ [mm]	51.21
$S_F$ [mm]	-23.75
$S'_F$ [mm]	32.18
HH' [mm]	-10.90
$\beta'_P$	1.074
$S_{EP}$ [mm]	23.94
$S'_{AP}$ [mm]	-22.81
$\Sigma d$ [mm]	35.59
ID	1062672



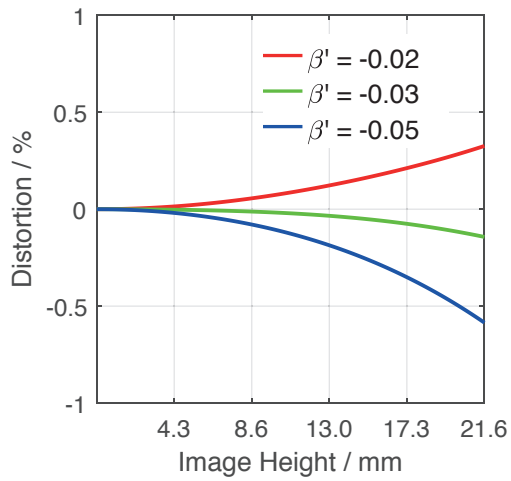
F-Mount



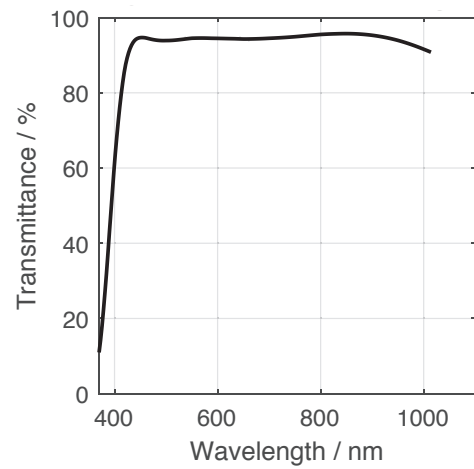
V48-Mount



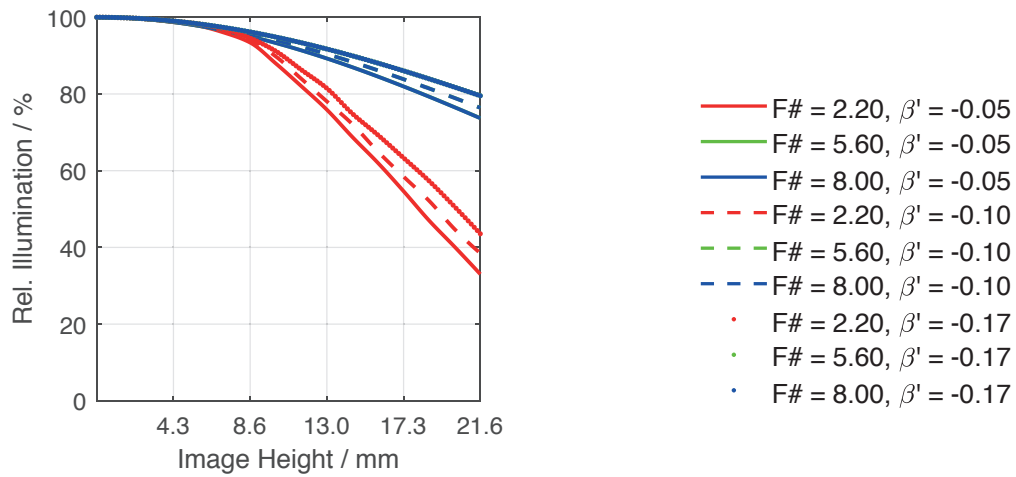
## Distortion vs. Image Height



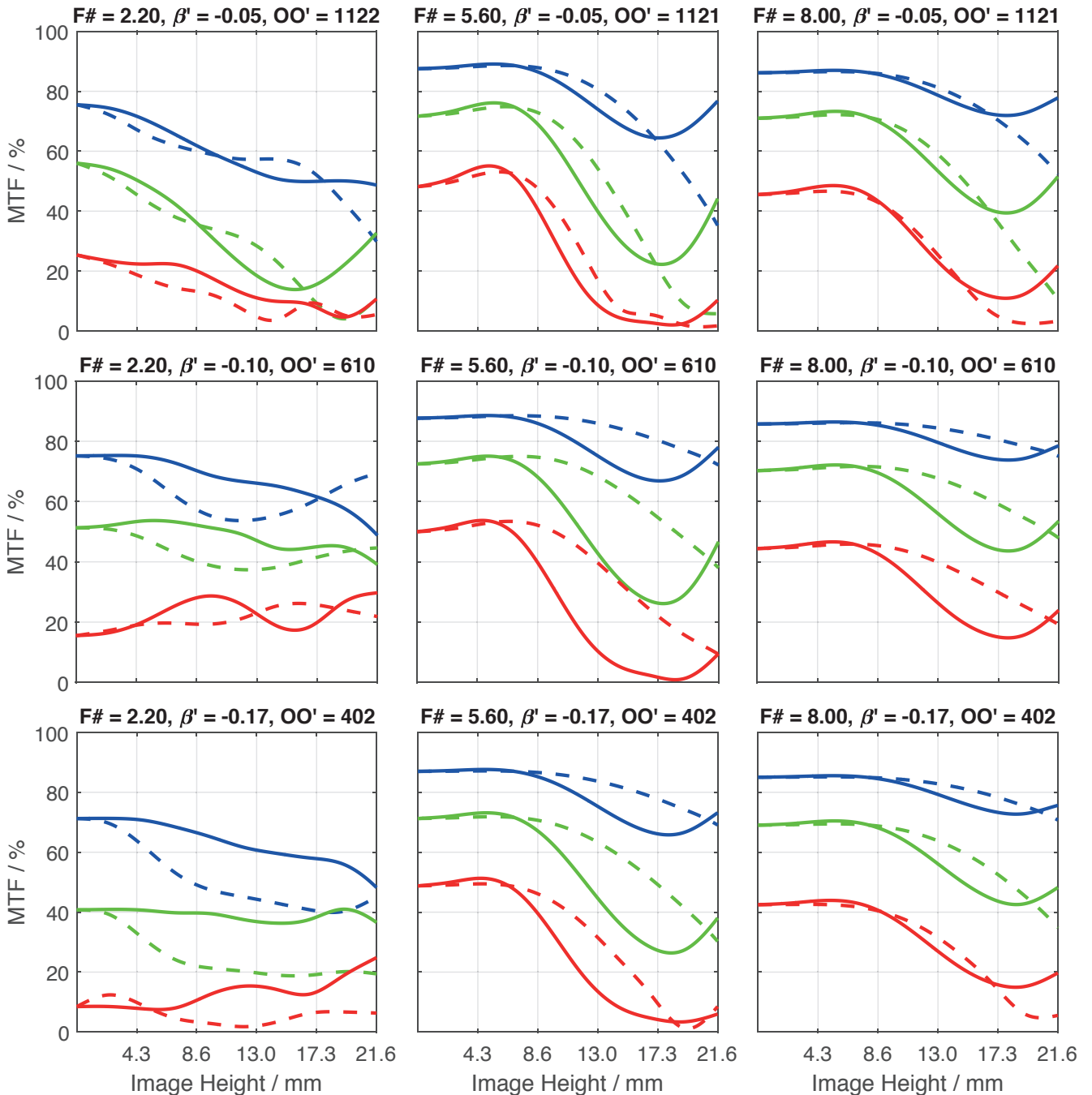
## Transmittance vs. Wavelength



## Relative Illumination vs. Image Height



Spectrum Name	VIS					
Wavelengths [nm]	425	475	525	575	625	675
Weights	8	16	23	22	19	13



Accessories	Mount	Length	ID
Adapter	V 48 / C-Mount	-	25081
	V 48 / M 42 x 1	-	1075817
	V 48 / M 42 x 0.75	-	1077013
	V 48 / M 58 x 0.75	-	1075556
Ext. Tube	V 48	10 mm	1072661
	V 48	25 mm	1072651
	V 48	50 mm	1072662

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# Xenon-Emerald 4.0/60

Large format 60 mm focal length lens covering up to 43.2 mm image circle, optional with V48-Mount or F-Mount developed for cameras with 29 megapixel sensors. Distinguish a low distortion for a high optical quality over the entire image field of 43.2 mm ideal for scanning.

Usable for VIS range to NIR as needed for web inspection. The robust and compact housing with lockable focus and iris setting makes this lens ideal for sorting systems in factory environmental.



Xenon-Emerald 4.0/60

## Key features

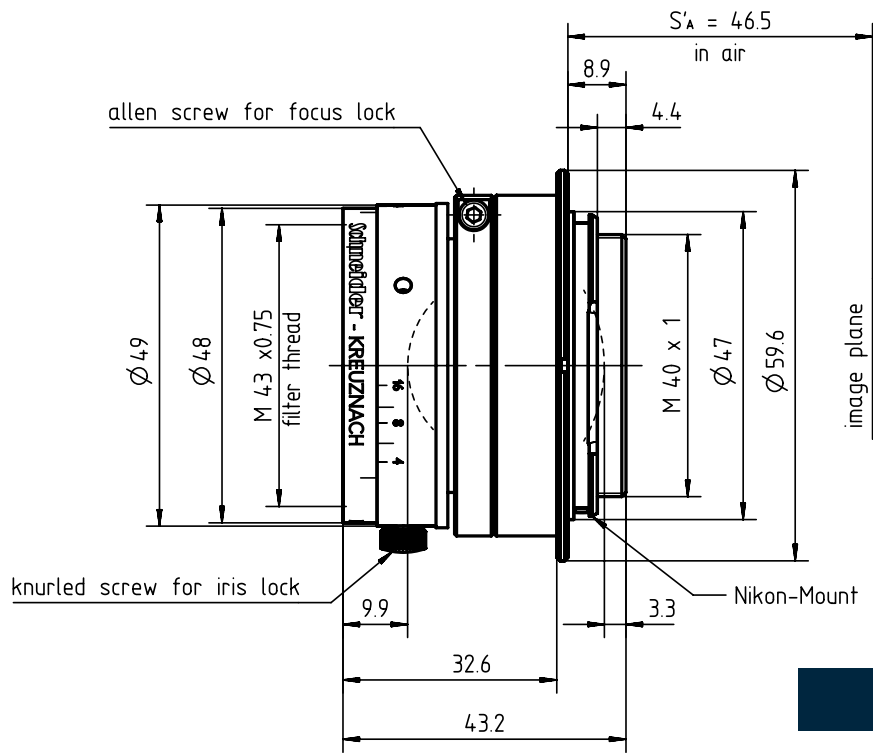
- For large sensors up to 43.2 mm diagonal
- With V48-Mount or F-Mount available
- Lockable focus and iris setting
- 400 nm to 1000 nm broadband AR coating

## Applications

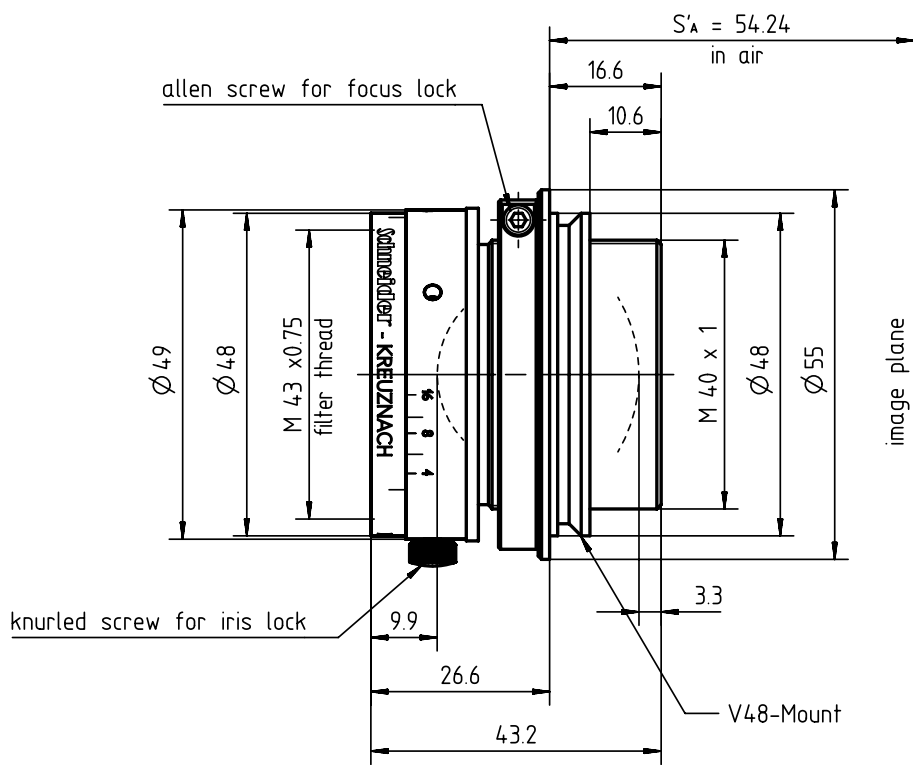
- Web inspection
- Scanner
- Logistic
- Sorting systems

Name	Xenon-Emerald 4.0/60
Type	-0033   -0034
Focal Length [mm]	60
Magnification	-0.1
Image circle [mm]	60
Resolution [ $\mu\text{m}$ ]	3.65
F/# range	4 ... 16
NA	0.13
Interface	F-Mount   V48-Mount
Working distance [mm]	$\infty$ - 643
AoV [ $^\circ$ ]	53
Focus control	manual
Transmission [nm]	400 - 1000
Filter thread [mm]	M43 x 0,75
Dimensions L x D [mm]	43.2 x 59.6

Name	Xenon-Emerald 4.0/60
Weight [g]	280
Storage temperature [ $^\circ\text{C}$ ]	-25 ... +70
$f'_{\text{eff}}$ [mm]	60.07
$S_F$ [mm]	-47.23
$S'_F$ [mm]	40.93
HH' [mm]	-1.89
$\beta'_P$	0.971
$S_{EP}$ [mm]	14.64
$S'_{AP}$ [mm]	-17.39
$\Sigma d$ [mm]	30.09
ID F-Mount	1085115
ID V48-Mount	1086887

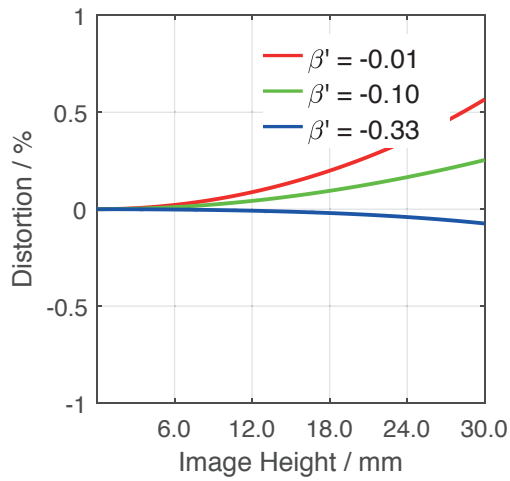


F-Mount

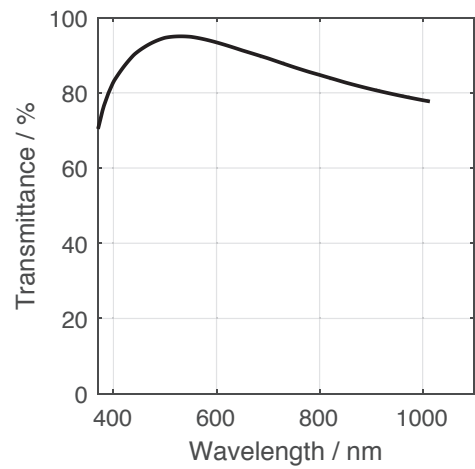


V48-Mount

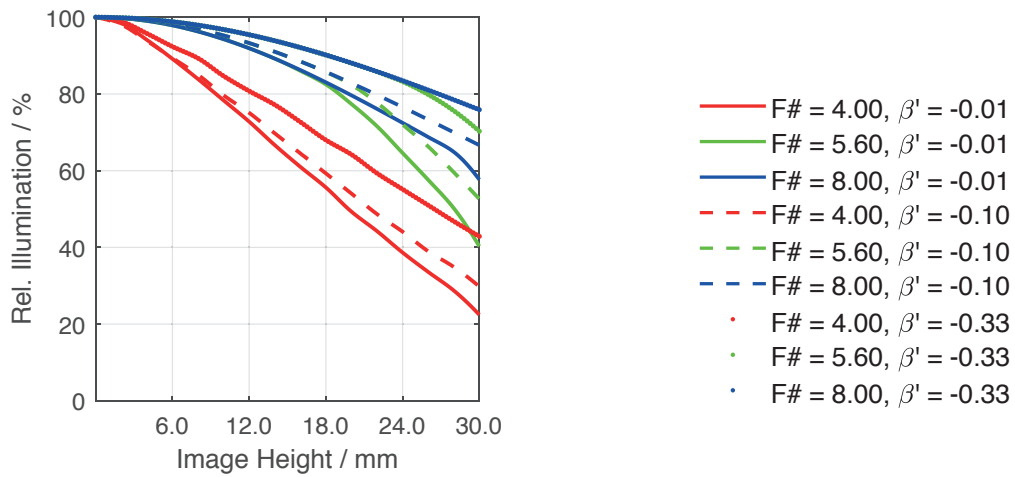
Distortion vs. Image Height



Transmittance vs. Wavelength

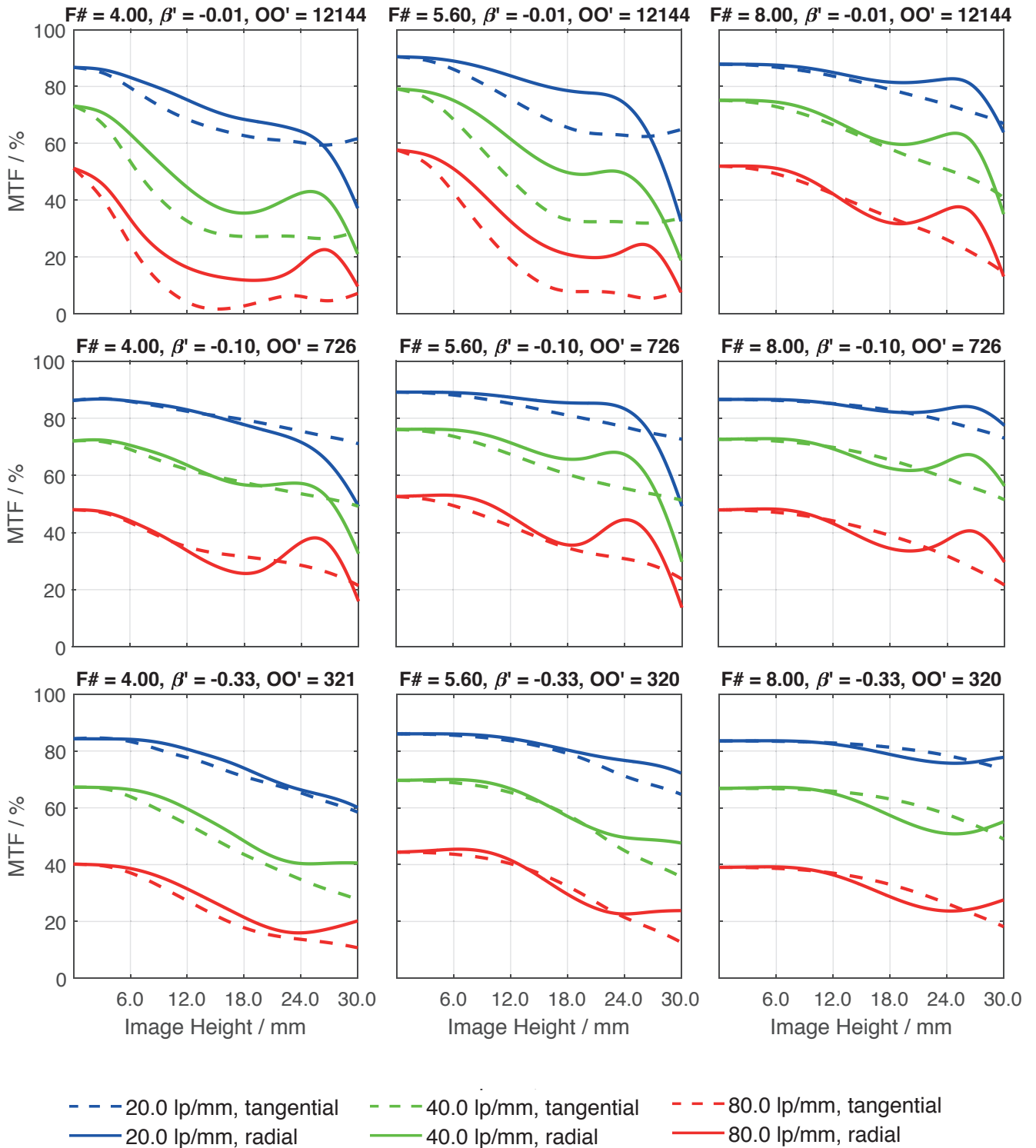


Relative Illumination vs. Image Height



# Xenon-Emerald 4.0/60

Spectrum Name	VIS					
Wavelengths [nm]	425	475	525	575	625	675
Weights	8	16	23	22	19	13





Accessories	Mount	Length	ID
Adapter	V 48 / C-Mount	-	25081
	V 48 / M 42 x 1	-	1075817
	V 48 / M 42 x 0.75	-	1077013
	V 48 / M 58 x 0.75	-	1075556
Ext. Tube	V48	10 mm	1072661
	V48	25 mm	1072651
	V48	50 mm	1072662

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# Xenon-Emerald 4.0/80

Large format 80 mm focal length lens covering up to 43.2 mm image circle, optional with V48-Mount or F-Mount developed for cameras with 29 megapixel sensors.

Distinguish a low distortion for a high optical quality over the entire image field of 43.2 mm ideal for scanning. Usable for VIS range to NIR as needed for web inspection. The robust and compact housing with lockable focus and iris setting makes this lens ideal for sorting systems in factory environmental.



Xenon-Emerald 4.0/80

## Key features

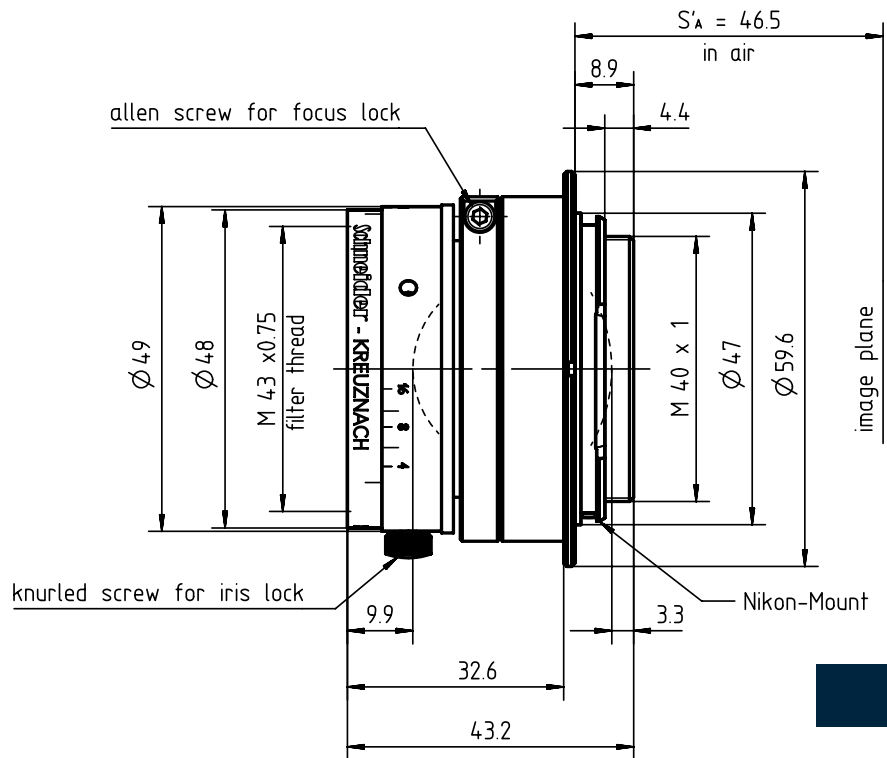
- For large sensors up to 43.2 mm diagonal
- With V48-Mount or F-Mount available
- Lockable focus and iris setting
- 400 nm to 1000 nm broadband AR coating

## Applications

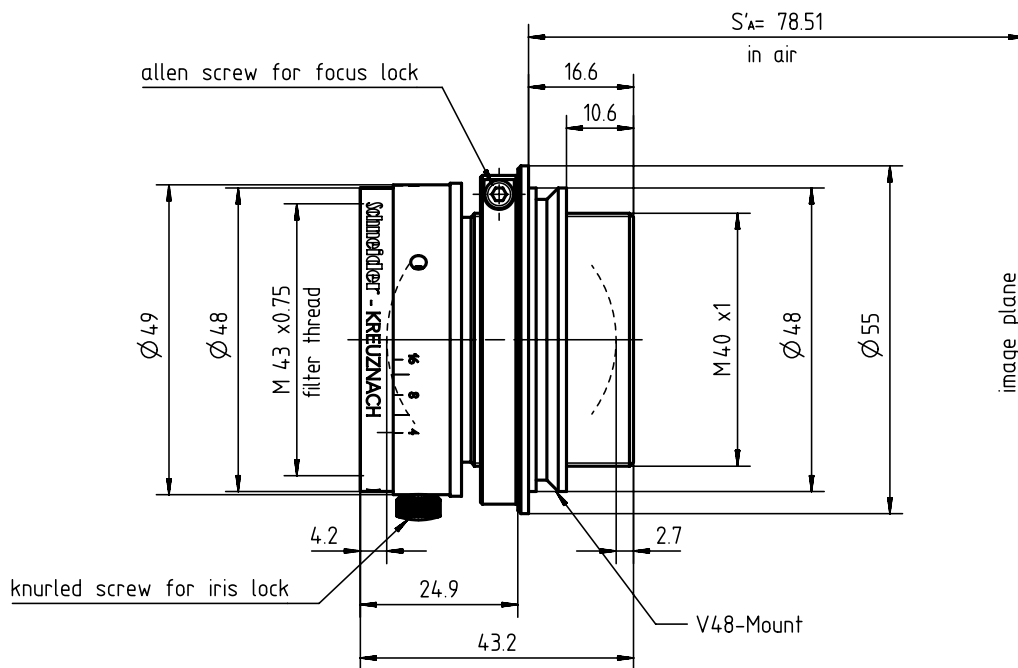
- Web inspection
- Scanner
- Logistic
- Sorting systems

Name	Macro Varon 4.5/85
Type	-0033   -0044
Focal Length [mm]	80
Magnification	-0.5
Image circle [mm]	80
Resolution [ $\mu\text{m}$ ]	6.45
F/# range	4 ... 16
NA	0.12
Interface	F-Mount   V48-Mount
Working distance [mm]	221
AoV [°]	52
Focus control	manual
Transmission [nm]	400 - 1000
Filter thread [mm]	M43 x 0,75
Dimensions L x D [mm]	43.2 x 55.0

Name	Macro Varon 4.5/85
Weight [g]	215
Storage temperature [°C]	-25 ... +70
$f'_{\text{eff}}$ [mm]	80.34
$S_F$ [mm]	-57.92
$S'_F$ [mm]	64.67
HH' [mm]	-1.81
$\beta'P$	1.027
$S_{EP}$ [mm]	20.29
$S'_{AP}$ [mm]	-17.86
$\Sigma d$ [mm]	36.28
ID F-Mount	1085115
ID V48-Mount	1086888

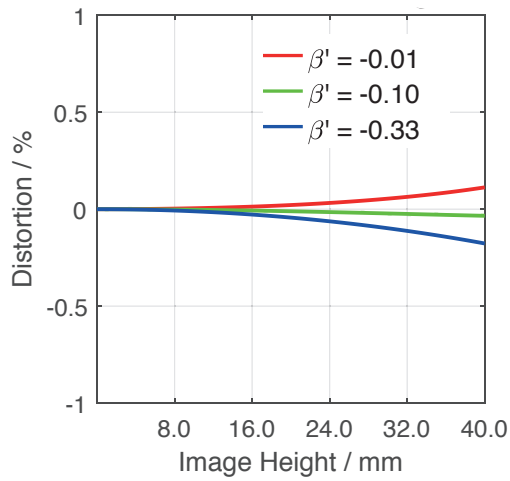


F-Mount

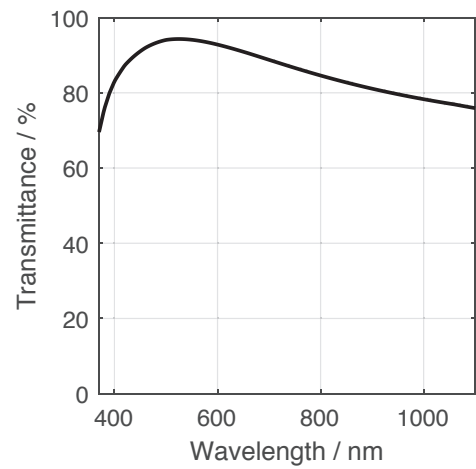


V48-Mount

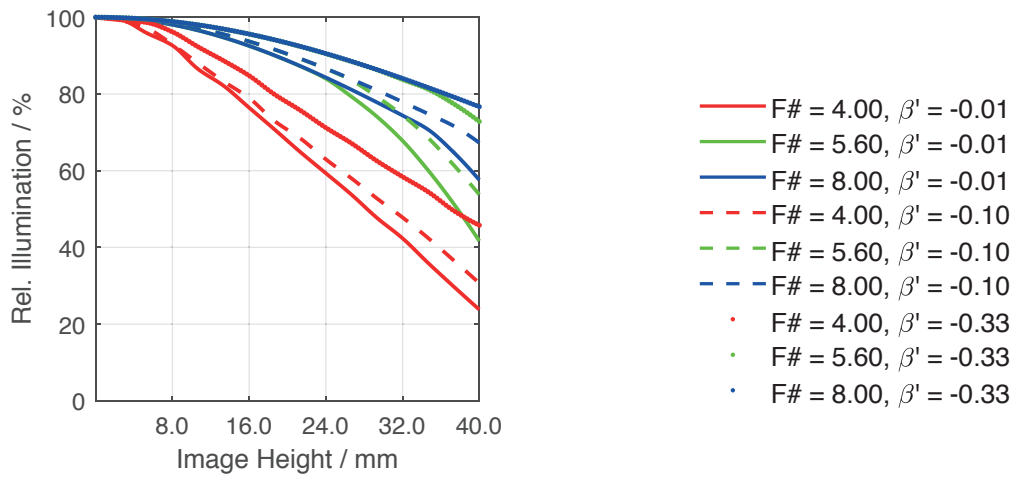
Distortion vs. Image Height



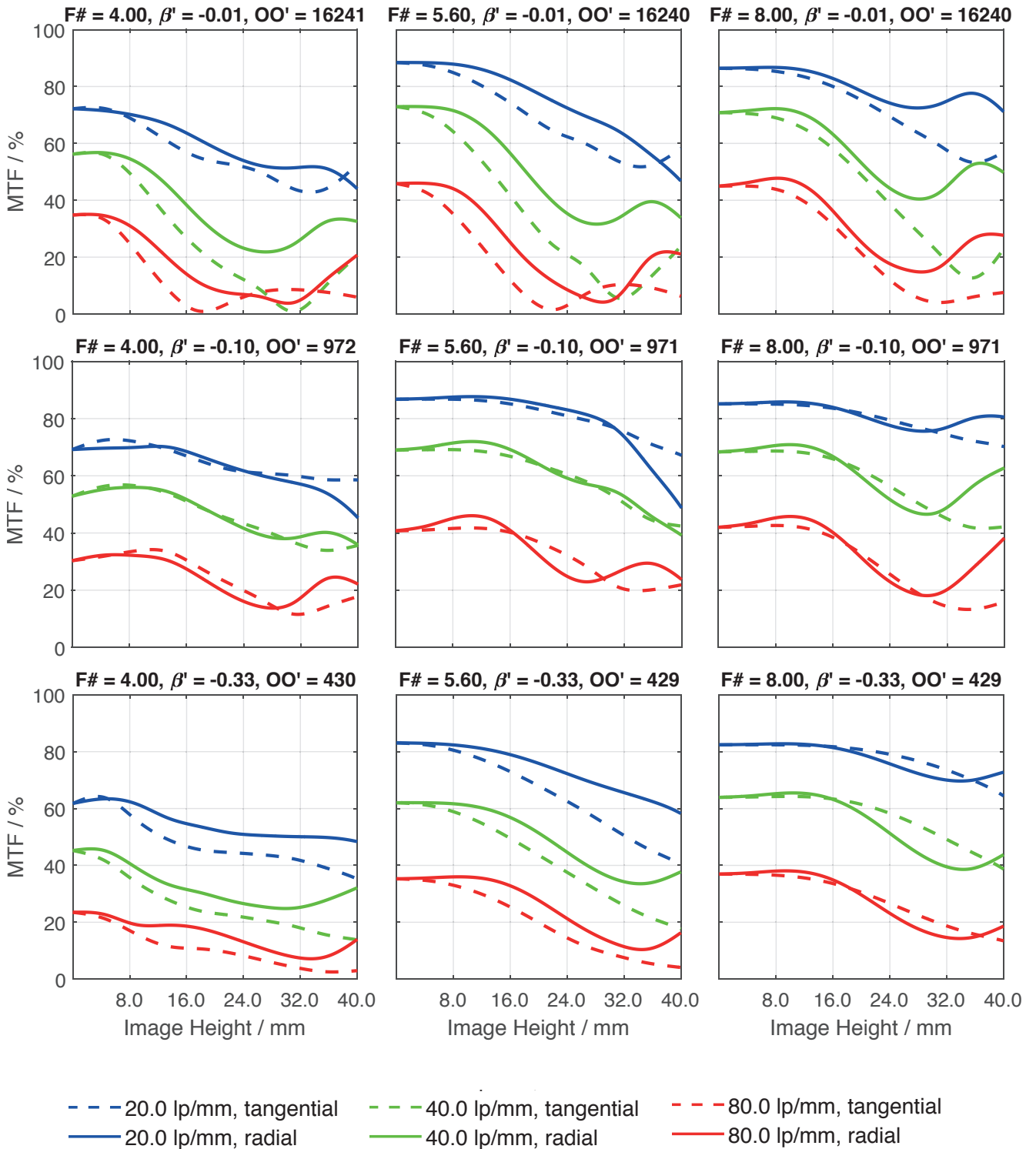
Transmittance vs. Wavelength



Relative Illumination vs. Image Height



Spectrum Name	VIS					
Wavelengths [nm]	425	475	525	575	625	675
Weights	8	16	23	22	19	13



Accessories	Mount	Length	ID
Adapter	V 48 / C-Mount	-	25081
	V 48 / M 42 x 1	-	1075817
	V 48 / M 42 x 0.75	-	1077013
	V 48 / M 58 x 0.75	-	1075556
Ext. Tube	V 48	10 mm	1072661
	V 48	25 mm	1072651
	V 48	50 mm	1072662

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# Xenon-Emerald Lens

## XENON-EMERALD 2.9/100-L

Many camera manufacturers are using the F-Mount bayonet as the camera/lens interface of their high resolution area and line scan cameras. Schneider-Kreuznach has addressed this topic with the new series of industrial XENON EMERALD lenses. These low distortion lenses with an image circle diameter of 43.2mm are compact, robust, lockable in distance and aperture, designed for close up range or infinity and optimized for a uniform image quality over the whole sensor area. The 400-1000 nm broadband coating makes them suitable for applications in the visible and the near infrared spectrum. The option of alternative mounts like e.g. Canon bayonet or M42 thread makes them even more flexible for a wide range of applications in machine vision, quality control, web inspection and other image processing applications.



XENON-EMERALD

### Key Features

- Robust mechanics for rough industrial environment
- Compact design and low weight
- Focus and iris setting lockable
- High resolution optics 400 - 700 nm (VIS) / 700 - 1000 nm (NIR)
- Corrected for infinity
- Constant MTF over the entire image field

### Applications

- Machine vision and other imaging applications
- Quality control
- Web inspection
- Surface inspection
- Line scan applications

### Technical Specifications

F-number	2.9
Focal length	100.9 mm
Image circle	43.2 mm
Transmission	400 - 1000 nm
Interface	F-Mount
Weight	460 gr.
Filter Thread	M43 x 0.75
Code No. (F-Mount)	1070506
Code No. (Canon-Mount)	1073835
Code No. (V48)	1073834

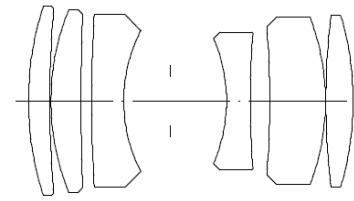
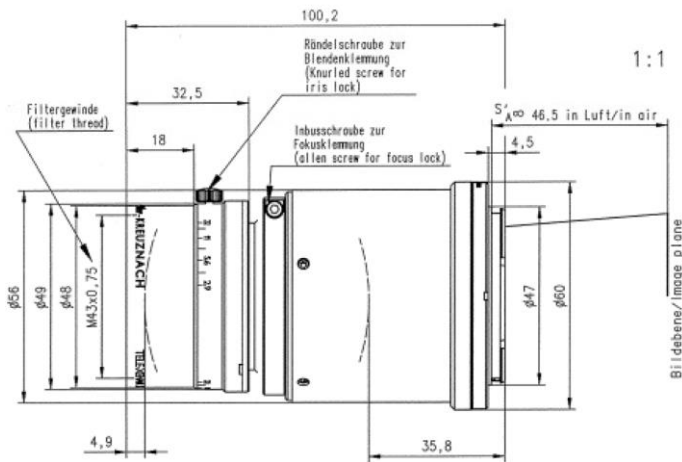
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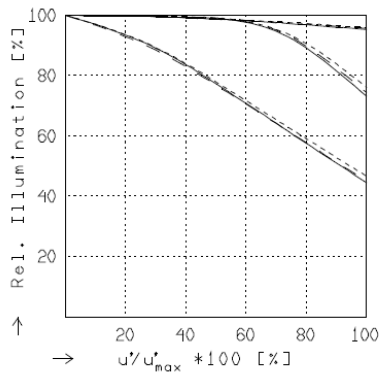
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# XENON-EMERALD 2.9/100-L



## XENON-EMERALD 2.9/100 L

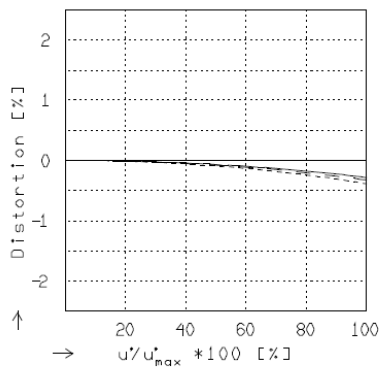
$f' = 100.9 \text{ mm}$	$\beta_p' = 1.318$
$s_F = -46.4 \text{ mm}$	$s_{EP} = 30.2 \text{ mm}$
$s_{F'} = 78.7 \text{ mm}$	$s_{AP} = -54.3 \text{ mm}$
$HH' = -17.3 \text{ mm}$	$\Sigma d = 59.4 \text{ mm}$



### RELATIVE ILLUMINATION

The relative illumination is shown for the given focal distances or magnifications.

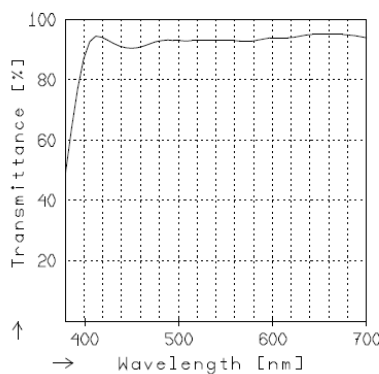
	$f / 2.9$	$f / 4.0$	$f / 8.0$
— $\beta' = 0.0000$	$u'_{max} = 21.5$	$00' = \infty$	
- - $\beta' = -0.0200$	$u'_{max} = 21.5$	$00' = 5233$	
- · - $\beta' = -0.0500$	$u'_{max} = 21.5$	$00' = 2208$	



### DISTORTION

Distortion is shown for the given focal distances or magnifications. Positive values indicate pincushion distortion and negative values barrel distortion.

— $\beta' = 0.0000$	$u'_{max} = 21.5$	$00' = \infty$
- - $\beta' = -0.0200$	$u'_{max} = 21.5$	$00' = 5233$
- · - $\beta' = -0.0500$	$u'_{max} = 21.5$	$00' = 2208$



### TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

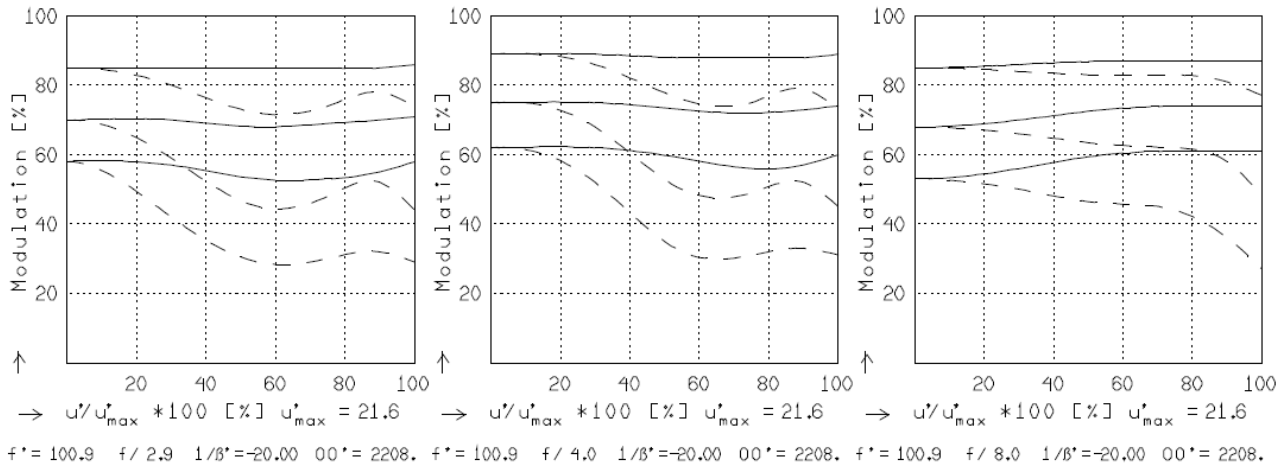
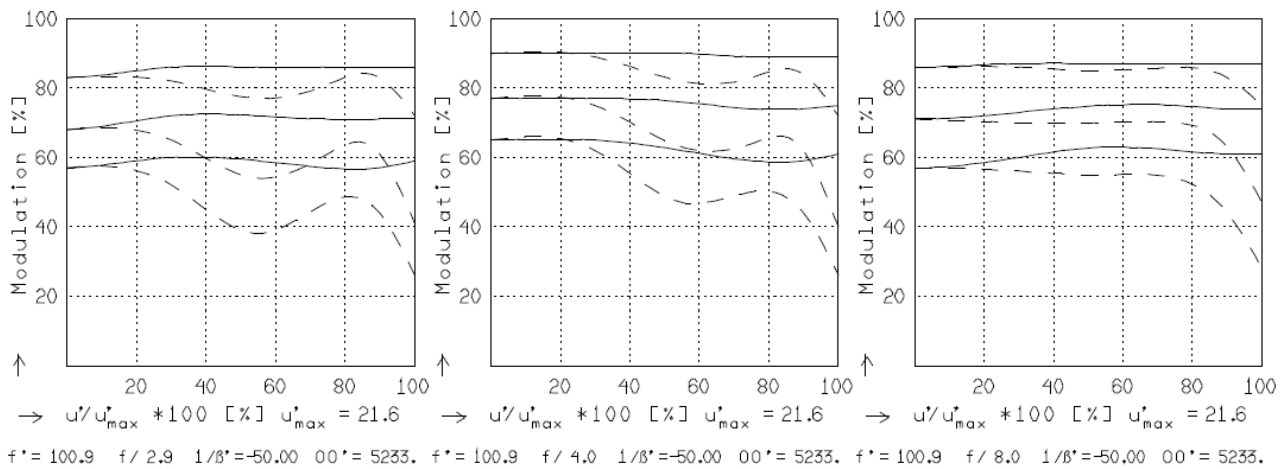
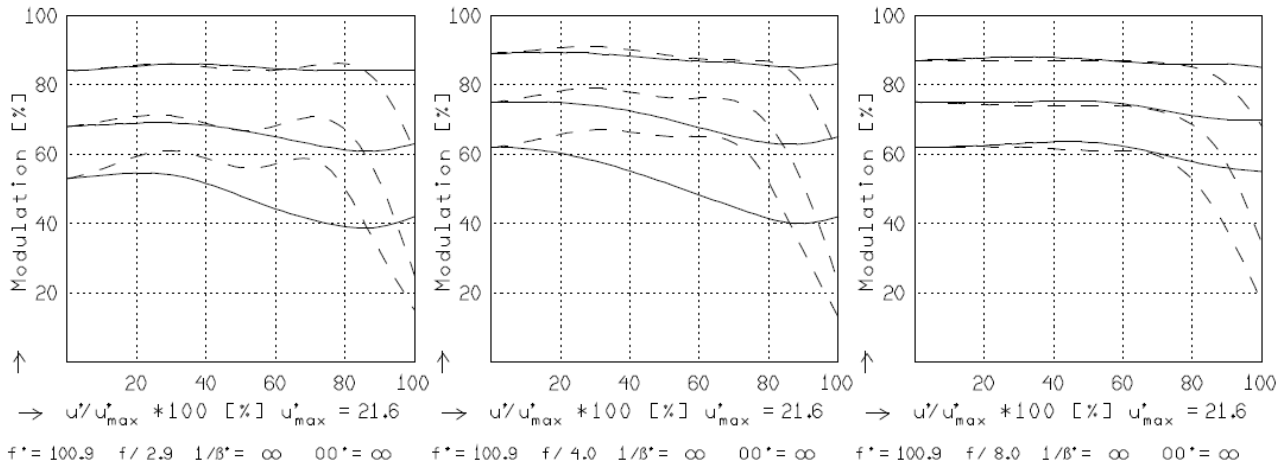
# XENON-EMERALD 2.9/100-L

## XENON-EMERALD 2.9/100 L

MODULATION with reference to the relative image height

Wavelength $\lambda$	[nm]	546	644	588	486	436	420
Spectral weighting	[%]	27.4	16.6	25.8	21.7	8.5	0.0
Spatial frequency R	[1/mm]	20	40	60			
Format	[mm X mm]	24.0	36.0				
Diagonal $2u'$	[mm]	43.2					

radial —  
tangential - -



Focusing :  $MTF_{max}$  at  $f / 2.9$  .  $R = 60$  1/mm.  $u'/u'_{max} = 0$

# Xenon-Emerald Lens

## XENON-EMERALD 2.8/100-S

Many camera manufacturers are using the F-Mount bayonet as the camera/lens interface of their high resolution area and line scan cameras. Schneider-Kreuznach has addressed this topic with the new series of industrial XENON EMERALD lenses. These low distortion lenses with an image circle diameter of 43.2mm are compact, robust, lockable in distance and aperture, designed for close up range or infinity and optimized for a uniform image quality over the whole sensor area. The 400-1000 nm broadband coating makes them suitable for applications in the visible and the near infrared spectrum. The option of alternative mounts like e.g. Canon bayonet or M42 thread makes them even more flexible for a wide range of applications in machine vision, quality control, web inspection and other image processing applications.



XENON-EMERALD 2.8/100

### Key Features

- Robust mechanics for rough industrial environment
- Compact design and low weight
- Focus and iris setting lockable
- High resolution optics 400 - 700 nm (VIS) / 700 - 1000 nm (NIR)
- Corrected for close up range
- Constant MTF over the entire image field

### Applications

- Machine vision and other imaging applications
- Quality control
- Web inspection
- Surface inspection
- Line scan applications

### Technical Specifications

F-number	2.8
Focal length	100.1 mm
Image circle	43.2 mm
Transmission	400 - 1000 nm
Interface	F-Mount
Weight	463 gr.
Filter Thread	M43 x 0.75
Code No. (F-Mount)	1064881
Code No. (Canon-Mount)	1070119
Code No. (V48)	1070400

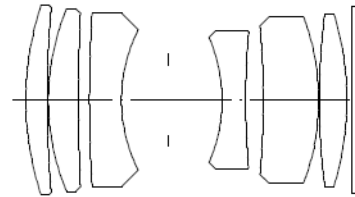
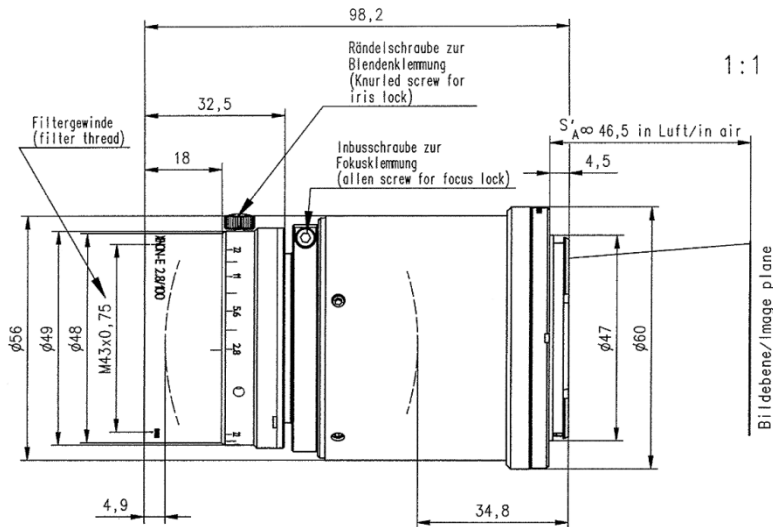
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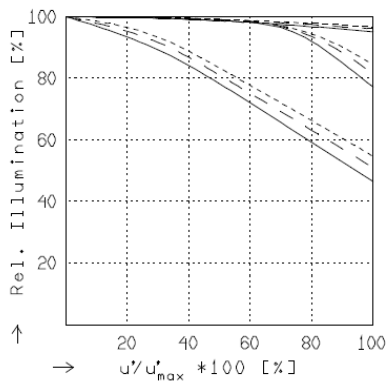
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[www.schneideroptics.com/industrial](http://www.schneideroptics.com/industrial)  
[industrial@schneideroptics.com](mailto:industrial@schneideroptics.com)

# XENON-EMERALD 2.8/100-S



## XENON-EMERALD 2.8/100 S

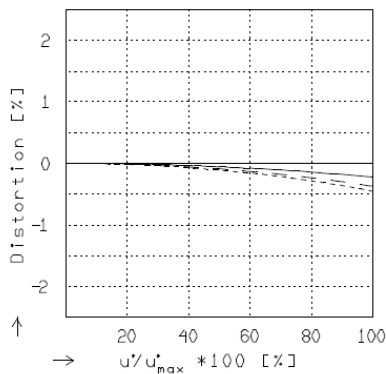
$f^*$	= 100.1 mm	$\beta_P^*$	= 1.270
$s_F$	= -48.6 mm	$s_{EP}$	= 30.3 mm
$s_F^*$	= 75.3 mm	$s_{AP}^*$	= -51.8 mm
$HH^*$	= -16.1 mm	$\Sigma d$	= 60.2 mm



## RELATIVE ILLUMINATION

The relative illumination is shown for the given focal distances or magnifications.

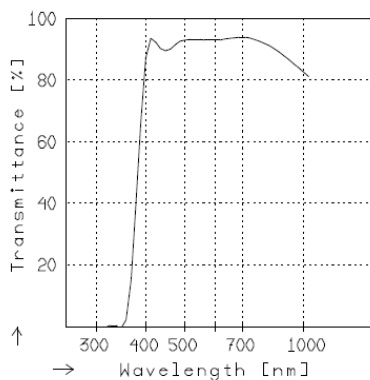
	$f / 2.8$	$f / 4.0$	$f / 5.6$
—	$\beta^* = -0.0200$	$u_{max}^* = 21.6$	$00^* = 5192.$
- -	$\beta^* = -0.1000$	$u_{max}^* = 21.5$	$00^* = 1195.$
....	$\beta^* = -0.1667$	$u_{max}^* = 21.5$	$00^* = 802.$



## DISTORTION

Distortion is shown for the given focal distances or magnifications. Positive values indicate pincushion distortion and negative values barrel distortion.

—	$\beta^* = -0.0200$	$u_{max}^* = 21.5$	$00^* = 5192.$
- -	$\beta^* = -0.1000$	$u_{max}^* = 21.5$	$00^* = 1195.$
....	$\beta^* = -0.1667$	$u_{max}^* = 21.5$	$00^* = 802.$



## TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

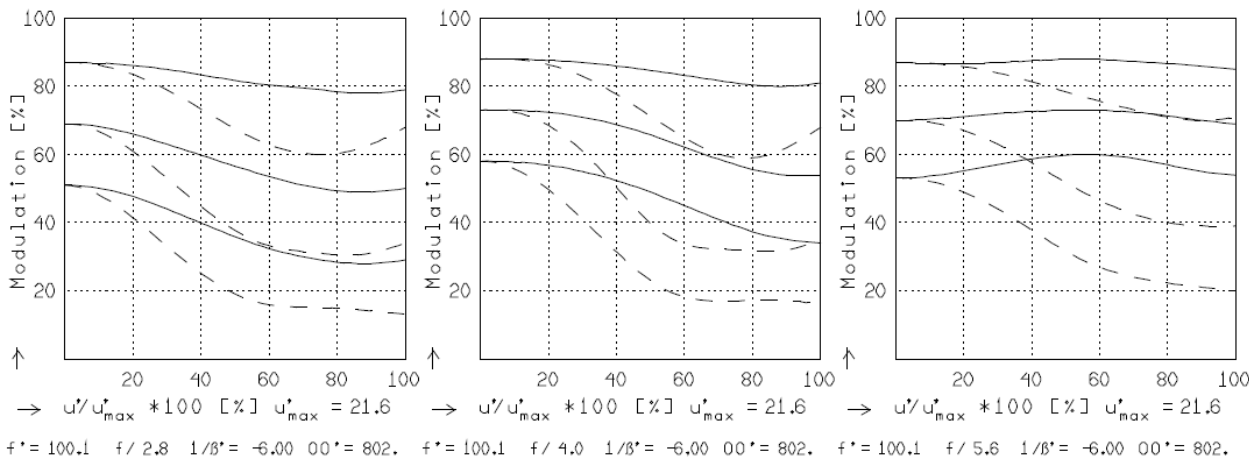
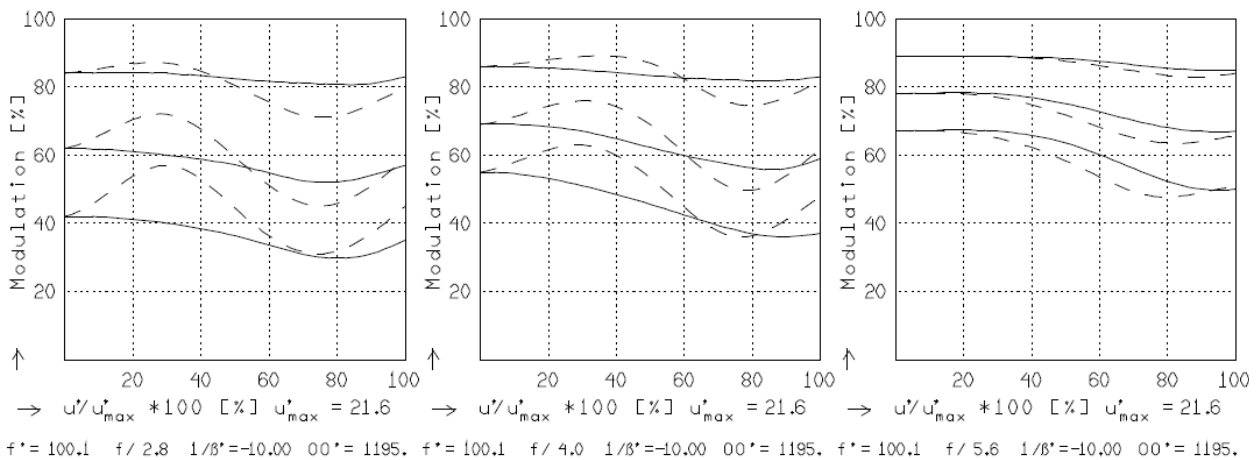
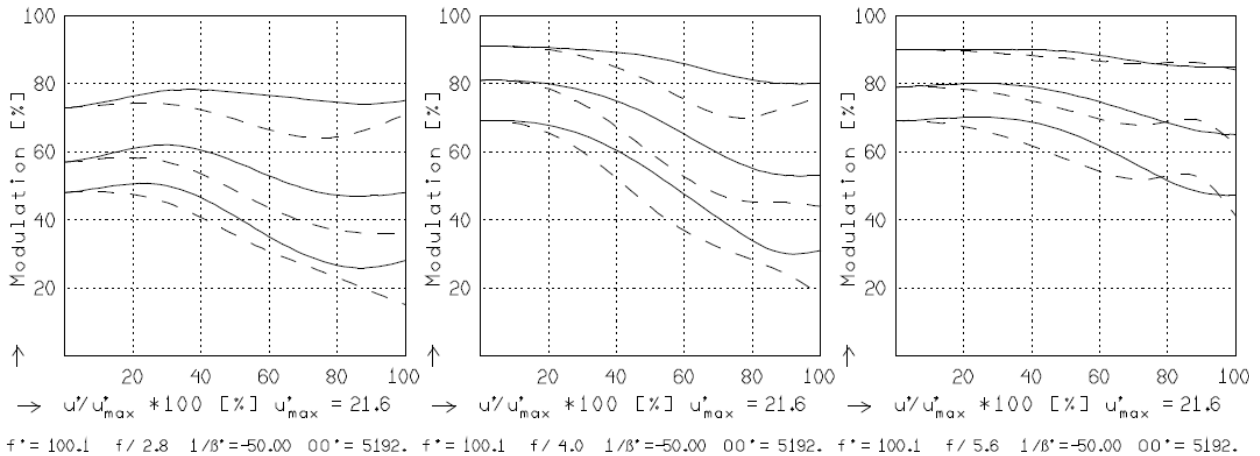
# XENON-EMERALD 2.8/100-S

## XENON-EMERALD 2.8/100 S

MODULATION with reference to the relative image height

Wavelength $\lambda$	[nm]	555	655	605	505	455	405
Spectral weighting	[%]	27.4	16.6	25.8	21.7	8.5	0.0
Spatial frequency R	[1/mm]	20	40	60			
Format	[mm X mm]	24.0	36.0				
Diagonal $2u'$	[mm]	43.2					

radial —  
tangential - -

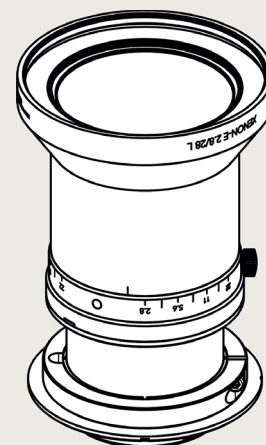


Focusing :  $MTF_{max}$  at  $f / 2.8$  ,  $R = 60$  1/mm,  $u'/u'_{max} = 0$

# Xenon-Emerald 2.8/28

Large format 28 mm focal length lens covering up to 43.2 mm image circle, optional with V48-Mount or F-Mount developed for cameras with 29 megapixel sensors.

Optimized versions for close-up range (S) or infinity (L) distinguish a low distortion for a high optical quality over the entire image field of 43.2 mm ideal for scanning. Usable for VIS range to NIR as needed for web inspection. The robust and compact housing with lockable focus and iris setting makes this lens ideal for sorting systems in factory environmental.



Xenon-Emerald 2.8/28

## Key features

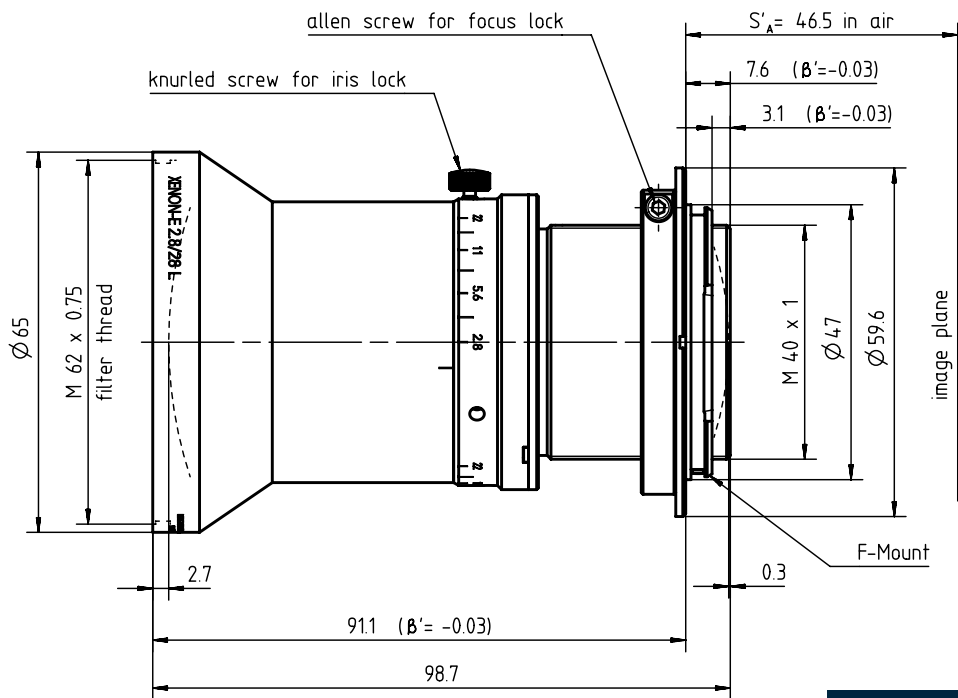
- For large sensors up to 43.2 mm diagonal
- With V48-Mount or F-Mount available
- Optimized version for close-up range (S) or infinity (L)
- Lockable focus and iris setting
- 400 nm to 1000 nm broadband AR coating

## Applications

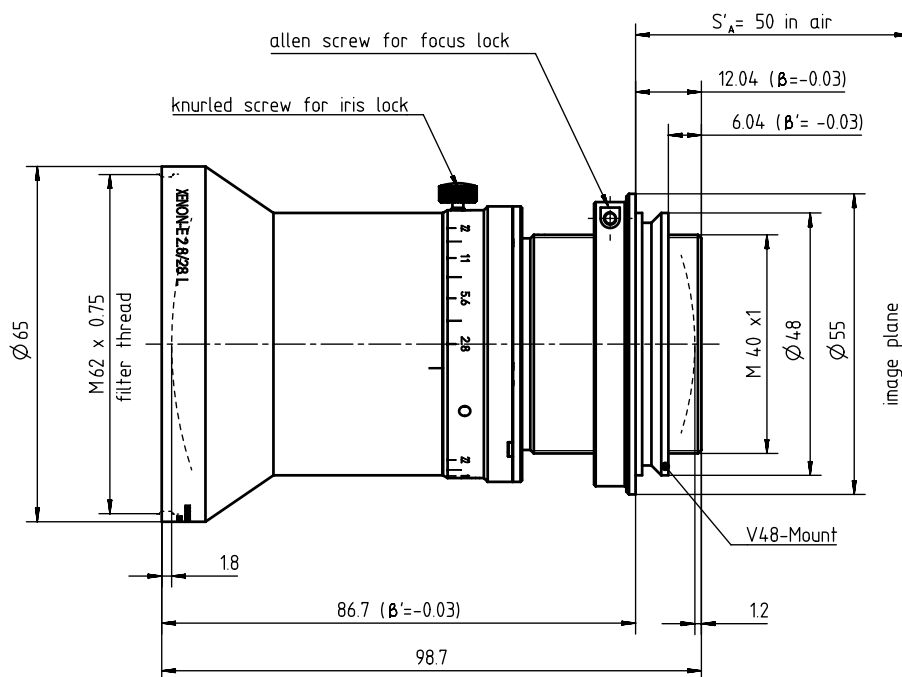
- Web inspection
- Scanner
- Logistic
- Sorting systems

Name	Xenon-Emerald 2.8/28
Type	-0003   -0006   -0007   -0008
Focal Length [mm]	28
Magnification	-0.1
Image circle [mm]	43.2
Resolution [ $\mu\text{m}$ ]	6.45
F/# range	2.8 ... 22
NA	0.18
Interface	F-Mount   V48-Mount
Working distance [mm]	564
AoV [°]	74
Focus control	manual
Transmission [nm]	400 - 1000
Filter thread [mm]	M62 x 0.75
Dimensions L x D [mm]	98.7 x 65.0

Name	Xenon-Emerald 2.8/28
Weight [g]	516
Storage temp. [°C]	-25 ... +70
$f'_{\text{eff}}$ [mm]	28.77
$S_F$ [mm]	19.96
$S'_{F'}$ [mm]	37.84
HH' [mm]	56.45
$\beta'_P$	3.644
$S_{EP}$ [mm]	37.85
$S'_{AP}$ [mm]	-66.86
$\Sigma d$ [mm]	96.09
ID F-Mount (L)	1071606
ID F-Mount (S)	1071609
ID V48-Mount (L)	1071610
ID V48-Mount (S)	1071611



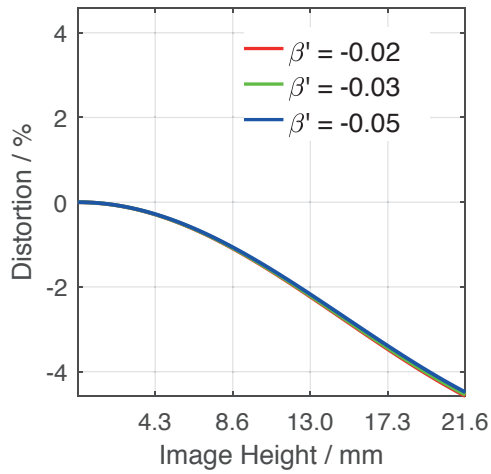
F-Mount



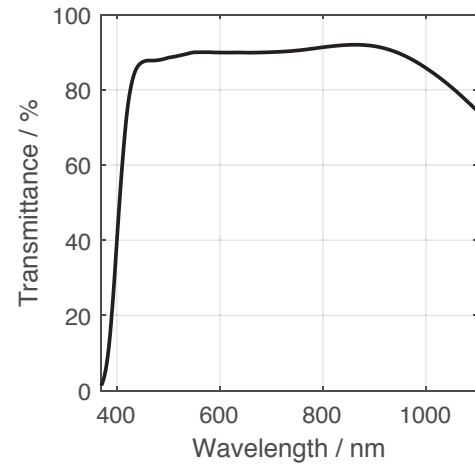
V48-Mount



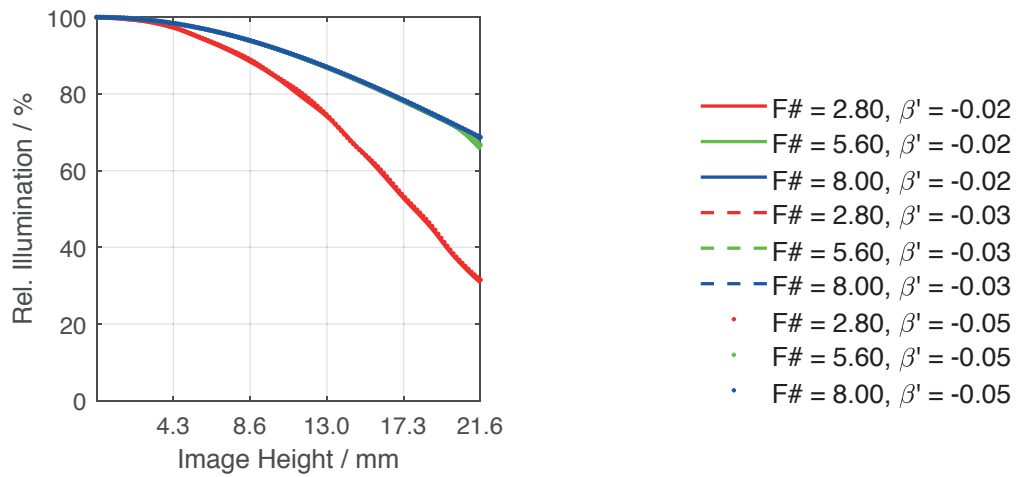
## Distortion vs. Image Height



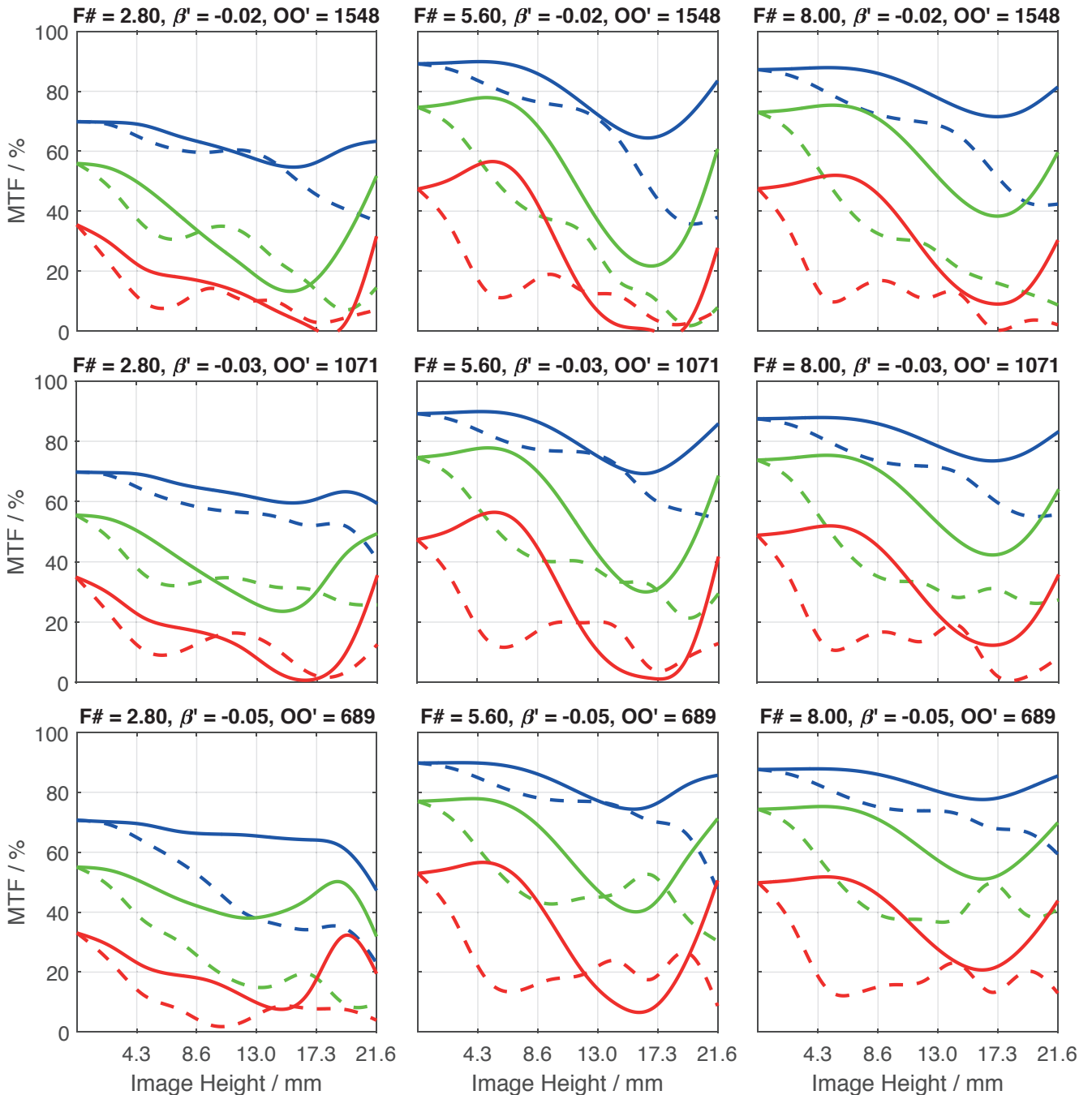
## Transmittance vs. Wavelength



## Relative Illumination vs. Image Height



Spectrum Name	VIS					
Wavelengths [nm]	425	475	525	575	625	675
Weights	8	16	23	22	19	13



Accessories	Mount	Length	ID
Adapter	V 48 / C-Mount	-	25081
	V 48 / M 42 x 1	-	1075817
	V 48 / M 42 x 0.75	-	1077013
	V 48 / M 58 x 0.75	-	1075556
Ext. Tube	V 48	10 mm	1072661
	V 48	25 mm	1072651
	V 48	50 mm	1072662

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