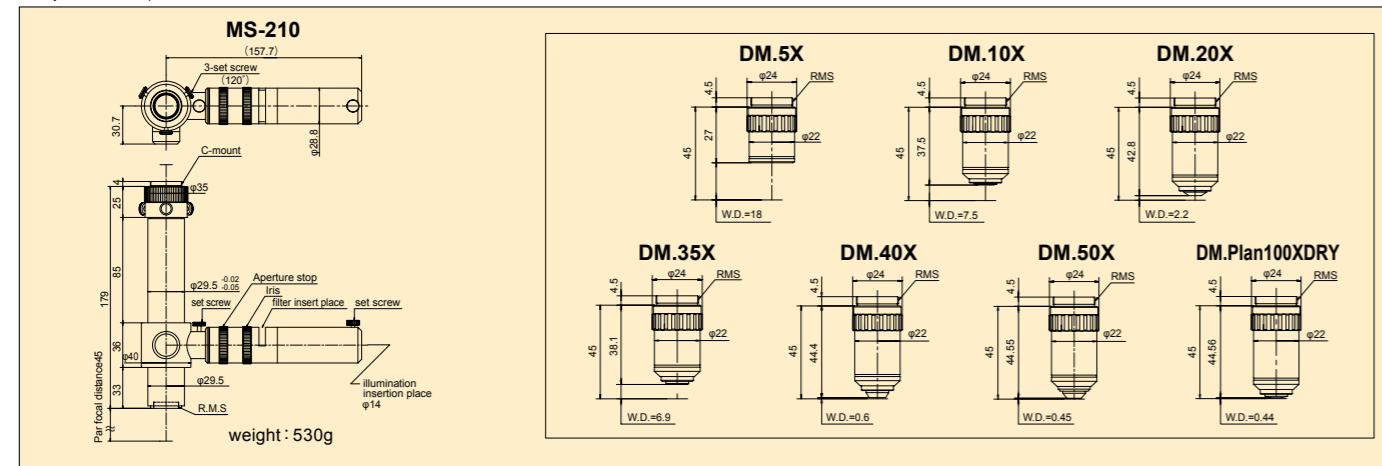


# Finite DM series

Coaxial tube lens, Mechanical tube length 210mm / Objective lens DM series

Series of Finite objective lenses of mechanical tube length of 210mm. Choice of optical Magnification of 5X, 10X, 20X, 35X, 40X, 50X, 100X.

\*Objective lens is option.



Model#	DM.5x	DM.10x	DM.20x	DM.35x	DM.40x	DM.50x	DM.Plan100xDRY
Magnification	5x	10x	20x	35x	40x	50x	100x
Working distance	18mm	7.5mm	2.2mm	6.9mm	0.6mm	0.45mm	0.44mm
Focal length (f)	37.9mm	22.17mm	11.72mm	6.06mm	5.78mm	4.66mm	2.17mm
N.A	0.10	0.25	0.4	0.45	0.65	0.68	0.9
Resolution	3.4μm	1.3μm	0.8μm	0.7μm	0.5μm	0.5μm	0.4μm
Focal Depth (±D.F)	27.5μm	4.4μm	1.7μm	1.35μm	0.7μm	0.6μm	0.3μm
Weight	52g	85g	88g	85g	95g	96g	99g

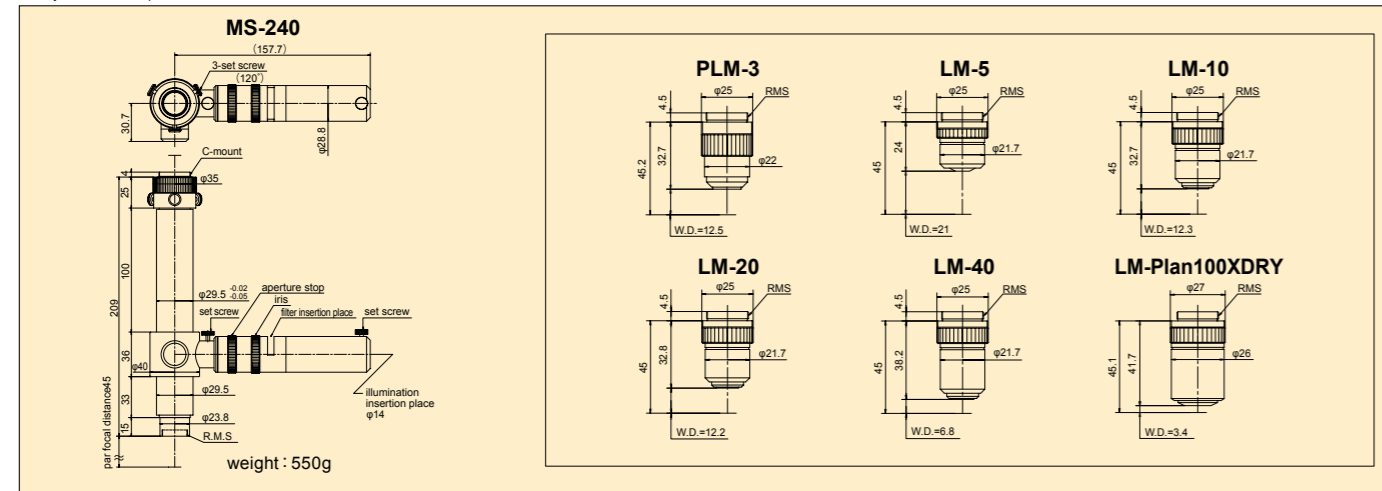
Accessories MS-210 : F20-W frosted filter  
 Note: Resolution and focal depth of objective lens is calculated using the wavelength of (λ=0.55nm).  $R=0.61 \times 0.55 / N.A$  Focal depth  $\pm D (\mu m) = \lambda / [2 (N.A)^2]$

# Finite LM series

Coaxial tube lens, Mechanical tube length 240mm / long working distance objective lens

Series of finite objective lens of mechanical tube length of 240mm. Working distance is longer than DM series objective lenses.

\*Objective lens is option.



Model#	PLM-3	LM-5	LM-10	LM-20	LM-40	LM-Plan100xDRY
Magnification	3x	5x	10x	20x	40x	100x
Working distance	12.5mm	21mm	12.3mm	12.2mm	6.8mm	3.4mm
Focal length (f)	78.07mm	53.88mm	22.5mm	11.45mm	6.06mm	2.33mm
N.A	0.07	0.10	0.22	0.30	0.45	0.80
Resolution	4.8μm	3.4μm	1.5μm	1.1μm	0.7μm	0.4μm
Focal Depth (±D.F)	56.2μm	27.5μm	5.6μm	3.0μm	1.4μm	0.4μm
Weight	88g	43g	73g	76g	82g	95g

Accessories MS-240 : F20-W frosted filter  
 Note: Resolution and focal depth of objective lens is calculated using the wavelength of (λ=0.55nm).  $R=0.61 \times 0.55 / N.A$  Focal depth  $\pm D (\mu m) = \lambda / [2 (N.A)^2]$

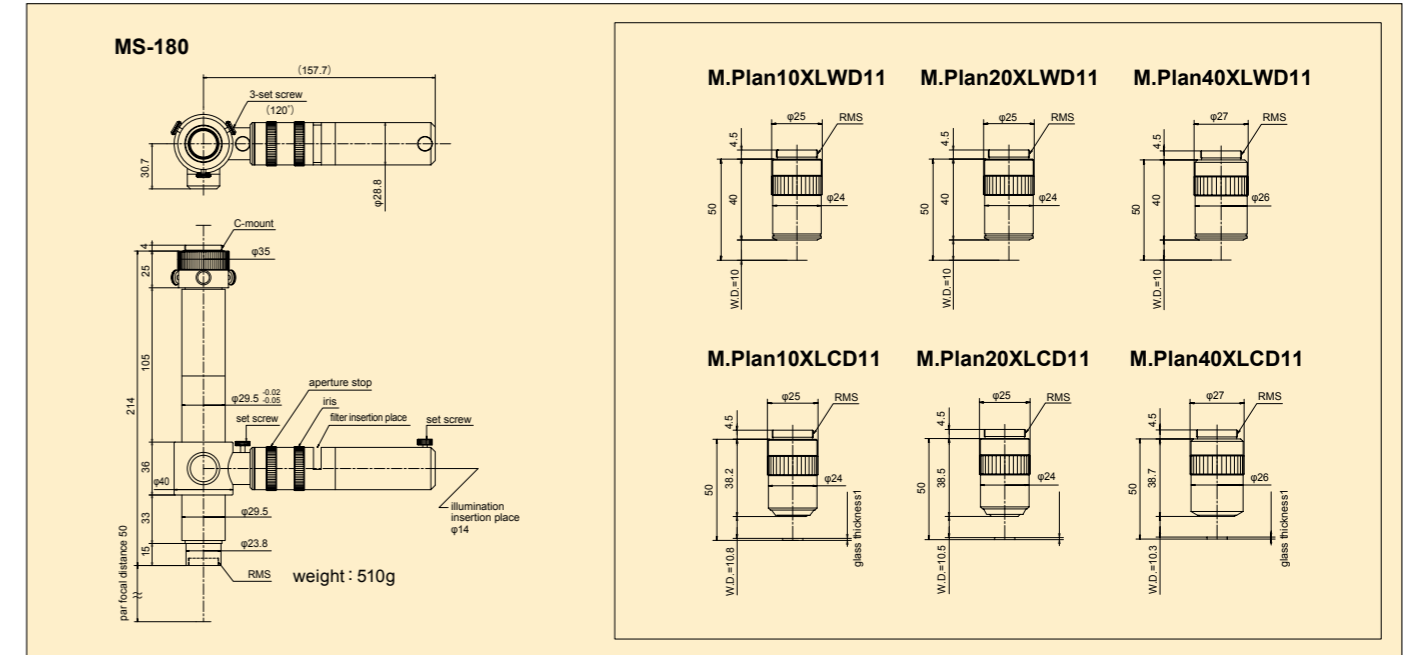
# Infinity M.Plan series

Coaxial tube, Infinity f=180mm  
 Long working distance lens - M.Plan Series

Compact tube (Infinity f=180mm) lens with choice of bright field M.Plan objective lenses.



\*Objective lens is option.



## Specification

Model	M.Plan10xLWD11	M.Plan20xLWD11	M.Plan40xLWD11	M.Plan10xLCD11	M.Plan20xLCD11	M.Plan40xLCD11
Magnification	10x	20x	40x	10x	20x	40x
Working distance	10mm	10mm	10mm	10.8mm	10.5mm	10.3mm
Focal length ( f )	18.0mm	8.99mm	4.49mm	18.0mm	8.99mm	4.49mm
N.A	0.25	0.42	0.52	0.25	0.42	0.52
Resolution	1.3μm	0.8μm	0.6μm	1.3μm	0.8μm	0.6μm
Focal Depth (±D.F)	4.4μm	1.6μm	1.0μm	4.4μm	1.6μm	1.0μm
Weight	116g	113g	123g	116g	113g	123g

Accessories MS-180:F20-W frosted filter  
 Note: LCD typ : 1.1mm glass corrected lens for 1.1mm through glass inspection  
 Resolution and focal depth of objective lens is calculated using the wavelength of (λ=0.55nm).  $R=0.61 \times 0.55 / N.A$  Focal depth  $\pm D (\mu m) = \lambda / [2 (N.A)^2]$