



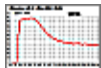
Objectives

Carl Zeiss Objectives Information

- [Description of Classes of Objectives](#)
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Magnification	5x
Numerical Aperture	0.16
Working Distance [mm]	12.1
Coverglass Thickness [mm]	0.17
Thread Type	W0.8x1/36"
Immersion	Without Immersion
Field of View [mm]	25
Parfocal Length [mm]	45.06
Long Distance [LD]	
Correction Ring [Korr]	
Iris [Iris]	

Optical System

Infinity-Color-Corrected System (ICS)

Flatness



Color Correction



Biomedical Applications

Fluorescence

- Multichannel
- Ultraviolet Transmission
- Infra Red Transmission

BrightField [H]



Differential Interference Contrast [DIC]

High Contrast DIC [HC DIC]

Polarization-Optical DIC [PlasDIC]

Phase Contrast [PH]

VAREL Contrast

Hoffman Modulation Contrast [HMC]

Polarization Contrast [POL]

Materials- (Reflected Light) Applications

BrightField [H]



BrightField/DarkField [HD]

Reflecting Light DIC [RL DIC]

High Contrast DIC [HC DIC]

Circular polarized light DIC [C-DIC]

Total Interference Contrast [TIC]

Polarization Contrast [POL]

Recommended for:

Confocal Microscopy

- Ultra Violet
- VIS (visible light)

NLO-IR / 2 Photon



Total Internal Reflection Fluorescence [TIRF]

ApoTome

Microdissection

Objective "Plan-Apochromat" 5x/0.16

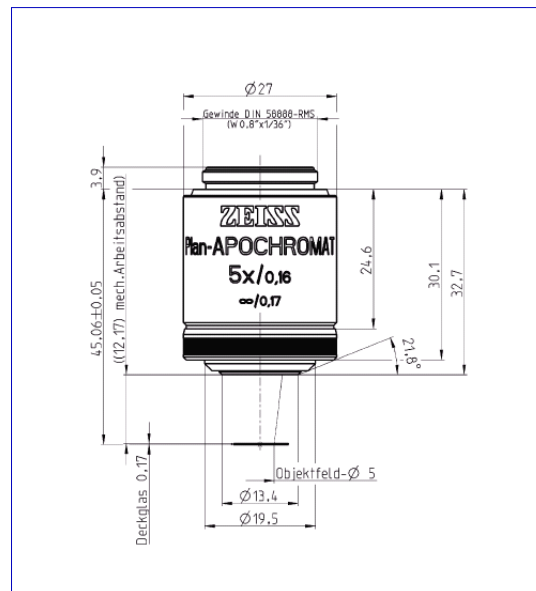
440620-0000-000

Objective Class: Plan-Apochromat



Best field flattening, best correction, confocal microscopy

Mechanical Dimensions



All measures in [mm]

mech.Arbeitsabstand = mechanical working distance

Deckglas = cover glass

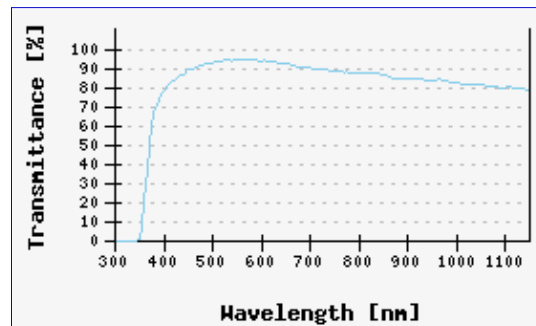
Objektebene = object plane

Objektfeld = object field

Ausleuchtung = illumination

Probenzugänglichkeit = specimen accessibility

Transmittance curve



Please note that due to production tolerances, the given values are typical only and not guaranteed.

Note

The recommended adapter M27x0.75 / W0.8 H"0" does only fit with objectives, that have a [2] printed behind the order number 440620.

Fitting Accessories for

440620-0000-000 Objective "Plan-Apochromat" 5x/0.16

Other Accessories**Adapter M 27x0.75 / W 0.8 H "0"**

000000-1095-168

[→ Picture](#)

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