

50X EO M Plan Apo Long Working Distance Infinity Corrected



50XEOMPlan Apo Long Working Distance Infinity Corrected, #59-879

Stock **#59-879** **5 In Stock**

⊖ 1 ⊕ €2.800⁰⁰

ADD TO CART

Volume Pricing

| | |
|------------|-------------------------------|
| Qty 1+ | €2.800,00 each |
| Need More? | Request Quote |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Compatible Tube Lens Focal Length (mm):
Focal Length: 200mm

Microscope Objective **Type:**

Infinity Corrected **Style:**

Physical & Mechanical Properties

Field of View (mm):

0.48

Length (mm):

82.00

Length excluding Threads (mm):

82.00

Maximum Diameter (mm):

34

Weight (g):

320

Optical Properties

Horizontal Field of View, 1/2" Sensor:

0.128mm

Horizontal Field of View, 2/3" Sensor:

0.176mm

Horizontal Field of View, 1" Sensor:

0.256mm

Focal Length FL (mm):

4.00

Magnification:

50X

Numerical Aperture NA:

0.55

Resolving Power (µm):

0.5

Depth of Field (µm):

0.90

Field of View, 24 Diameter Field Eyepiece (mm):

0.48

Working Distance (mm):

13.0

Wavelength Range (nm):

390 - 780

Field Number (mm):

24

Parfocal Length (mm):

95

Immersion Liquid:

N/A

Threading & Mounting

Mounting Threads:

M26 x 36 TPI

Environmental & Durability Factors

Operating Temperature (°C):

+10 to +40

Operating Humidity:

<85% with no condensation

Regulatory Compliance

Certificate of Conformance:

[View](#)

Product Details

- High Quality Optics in a Plan Apochromat Design
- Long Working Distance Options
- Sub-Micron Resolving Power

EO Infinity Corrected Long Working Distance Objectives are made to the highest quality and standards, utilizing a strain-free optical system. They maintain a long working distance and offer high numerical apertures. With resolving power from 5 to 0.34 microns, these objectives work for a wide array of applications. All stated magnifications are based on a tube lens focal length of 200mm. EO Infinity Corrected Long Working Distance Objectives' mounting thread is M26 x 36 TPI. The objectives work with all Mitutoyo parts and can be placed directly in a system currently utilizing Mitutoyo objectives.

Technical Information

| | Stock # | A | B | C | D | E |
|-------------|-------------------------|----|---|----|------|----|
| 2XMPlan APO | #59-875 | 61 | — | 32 | 27.5 | 34 |
| 5XMPlan APO | #59-876 | 61 | — | 32 | 25 | 34 |

| | | | | | | |
|--------------------|---------|------|-----|----|------|----|
| 10XMPlan APO | #59-877 | 61.5 | 2.2 | 32 | 25.5 | 34 |
| 20XMPlan APO | #59-878 | 75 | 3.2 | 32 | 26.7 | 34 |
| 50XMPlan APO | #59-879 | 82 | — | 32 | 25.5 | 34 |
| 100XMPlan APO | #59-880 | 92 | — | 32 | 26 | 34 |
| 50XMPlan APO ULWD | #59-881 | 74.5 | — | 32 | 25.5 | 34 |
| 100XMPlan APO ULWD | #59-882 | 82 | — | 32 | 26 | 34 |



Units: mm