

100X ZEISS A-Plan Objective

#13-820



ZEISS A-Plan Objectives

ZEISS A-Plan Plan Achromat Infinity Corrected Objectives are designed for a variety of routine life science applications. These objectives exhibit excellent color correction and flatness of field that satisfy ISO 19012-1:2013 standards. They are ideal for brightfield inspection of fixed and stained tissues or cells in fluorescence applications. The large field number of 23mm facilitates fast screening of samples. ZEISS A-Plan Plan Achromat Infinity Corrected Objectives are corrected for standard cover slips with 0.17mm thickness.

Note: Tube Lens [#13-828](#) is required when using ZEISS A-Plan Plan Achromat Infinity Corrected Objectives with non-ZEISS Infinity Color Corrected (ICS) microscope systems.

General

Model Number:	421090-9800-000
Compatible Tube Lens Focal Length (mm):	Focal Length: 164.50mm
Type:	Microscope Objective
Typical Applications:	Fluorescence, BrightField
Style:	Infinity Corrected
Manufacturer:	Zeiss

Physical & Mechanical Properties

Field of View (mm):	0.23
Length excluding Threads (mm):	43.90
Maximum Diameter (mm):	30
Weight (g):	164

Optical Properties

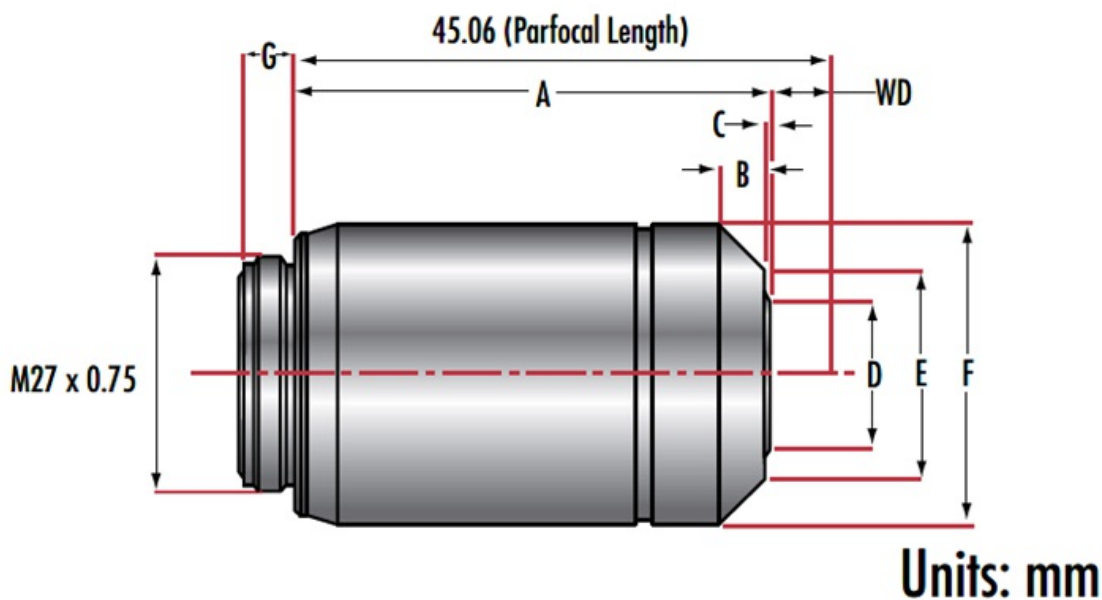
Compatible Cover Glass Thickness (mm):	0.17
Focal Length FL (mm):	1.60
Magnification:	100X
Numerical Aperture NA:	0.8
Resolving Power (μm):	0.34
Depth of Field (μm):	0.43
Working Distance (mm):	0.97
Wavelength Range (nm):	480 - 650
Field Number (mm):	23
Parfocal Length (mm):	45.06
Immersion Liquid:	N/A

Threading & Mounting

Mounting Threads:	M27 x 0.75
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Environmental & Durability Factors

Operating Temperature (°C):	+10 to +40
Operating Humidity:	75% at 35°C



August 29, 2025

To Whom It May Concern,

This document certifies that the product stated below has been reviewed as requested by Edmund Optics:

Stock No.	Description
13-820	100X ZEISS A-Plan Objective

This item is EU RoHS (2011/65/EU) compliant without the use of exemptions.

This certification means that:

- EO's suppliers have confirmed the material composition of this product.
- EO has implemented rigorous procedures to document this compliance.
- The information provided may, or may not, be based upon actual test data, or on information from our Vendors, Raw Material Suppliers or Subcontractors.



Jay Budd, Director of Corporate Compliance

August 29, 2025

Edmund Optics Inc. - 101 E Gloucester Pike, Barrington, NJ 08007 | 1-800-363-1992 | Compliance@edmundoptics.com



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Edmund Optics certifies that all articles included in this shipment are in compliance with the terms and conditions of this order. The company also certifies that the articles included in this shipment are in accordance to all agreed upon specifications and quality assurance provisions. Please call 1-800-363-1992 should any questions arise from this shipment.



Jeff Harvey- EVP of Operations