

TECHSPEC® 50mm NIR I Hypotenuse, BBAR Right Angle Prism

#34-410



Broadband Anti-Reflection Coated Hypotenuse Prism

TECHSPEC® BBAR (Broadband Anti-Reflection) Coated Hypotenuse Right Angle Prisms는 single axis retroreflector가 필요한 용도에 적합합니다. 이 프리즘은 타이트한 각도 공차뿐만 아니라 가시광에서 근적외선 스펙트럼까지 커버할 수 있는 코팅 옵션을 특징으로 합니다. TECHSPEC® BBAR Coated Hypotenuse Right Angle Prism은 맞춤 제작 사이즈로도 이용 가능합니다.

General

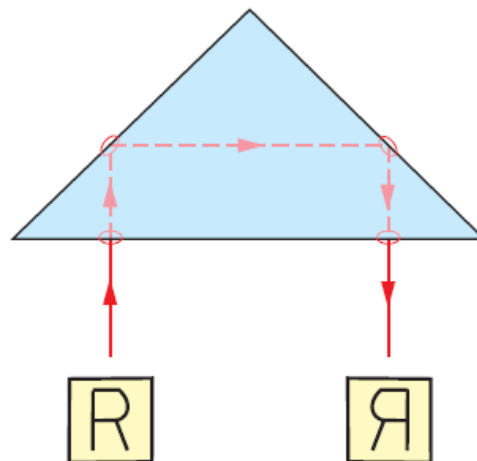
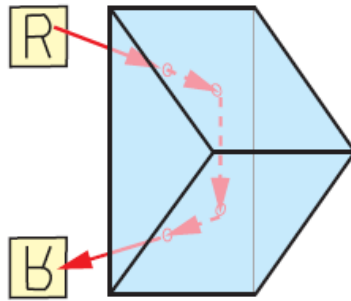
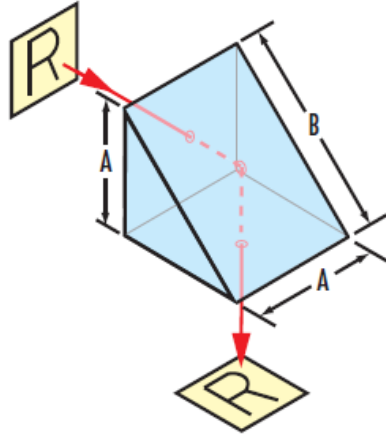
Type: Right Angle Prism

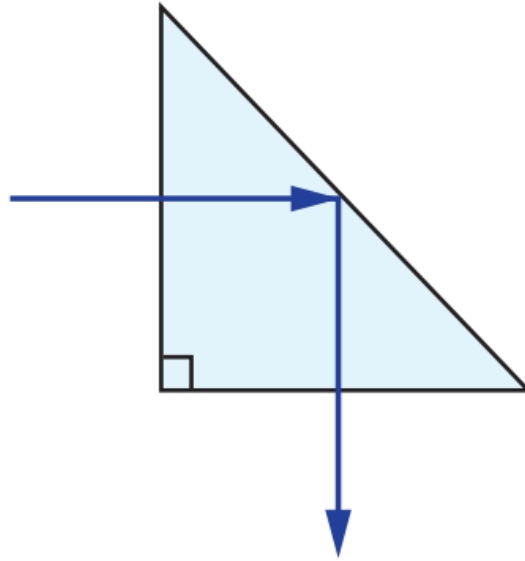
Physical & Mechanical Properties

Dimensional Tolerance (mm):	+0/-0.1
Bevel:	Protective bevel as needed
Length of Hypotenuse (mm):	70.70
Length of Legs (mm):	50.00

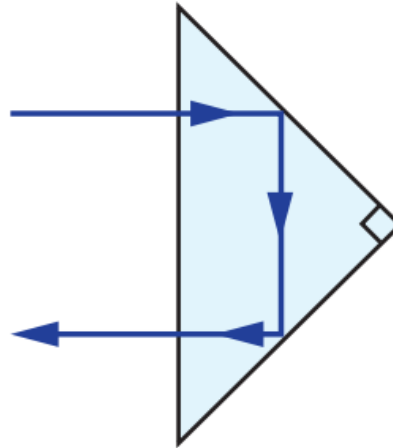
Optical Properties

Beam Deviation (arcsec):	±15
Coating:	NIR I (600-1050nm)
Substrate:	N-BK7
Surface Quality:	40-20
Image Orientation:	Left-Handed
Ray Deviation (°):	90
Wavelength Range (nm):	350 - 2200
Power (fringes) @ 632.8nm:	1.25
Irregularity (fringes) @ 632.8nm:	0.25

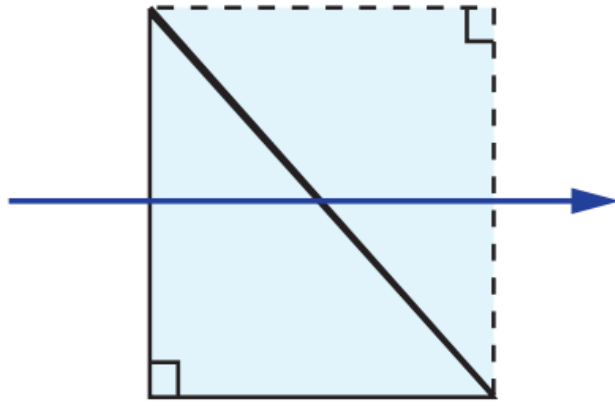




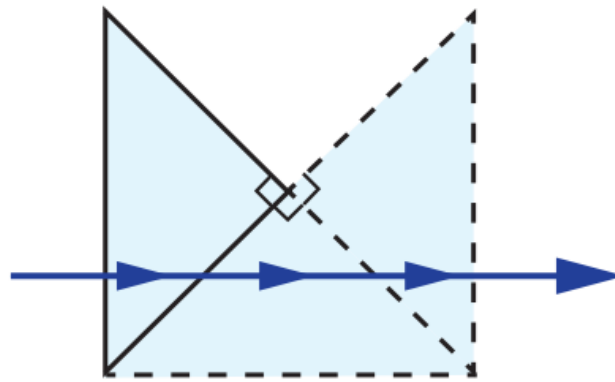
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram



June 22, 2025

To Whom It May Concern,

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

재고 번호	제품설명
34-410	50mm NIR I Hypotenuse, BBAR Right Angle Prism

This item is EU RoHS (2015/863/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
June 22, 2025

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

June 22, 2025

재고 번호	제품설명
34-410	50mm NIR I Hypotenuse, BBAR Right Angle Prism

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



June 22, 2025

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재고 번호	제품설명
34-410	50mm NIR I Hypotenuse, BBAR Right Angle Prism

This item does not contain any of the substances listed on the Reach SVHC list as of 14 June 2023 in quantities exceeding 0.1% weight by weight.

Please note the following:

- Entry 11 of Annex V of the REACH regulation EC 1907/2006 as amended by regulation 987/2008, exempts "non-hazardous" glass components from registration.
- Items considered to be packing materials and which do not form part of, or are not required for the operation of, the product, are not considered to be within scope of this declaration.
- EO does not routinely analyze products for substances not purposely added or specified within the design specifications, drawings and assembly procedures.

This certification means that:

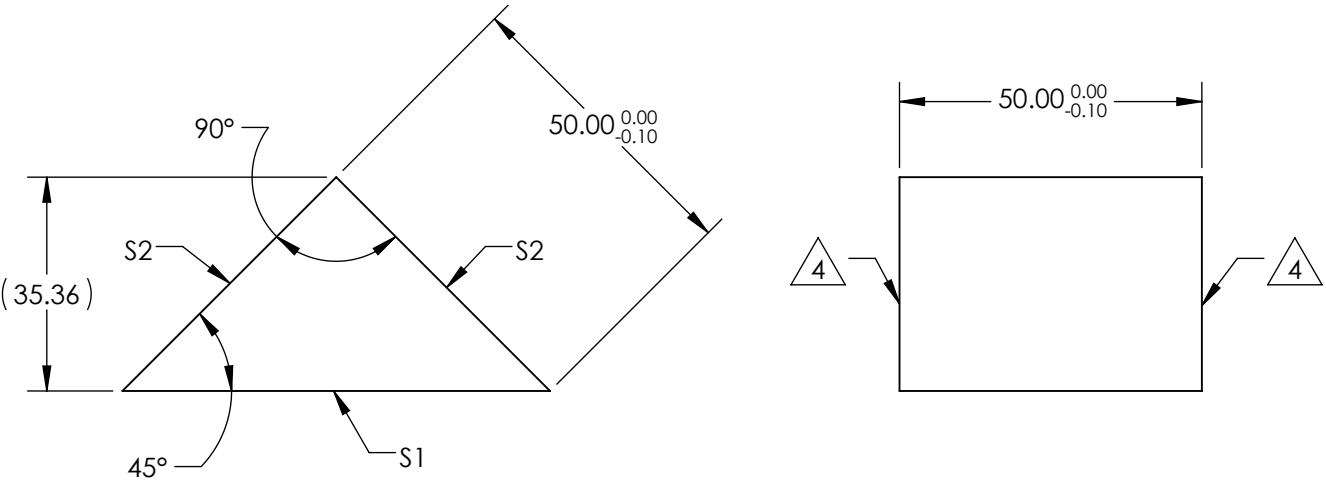
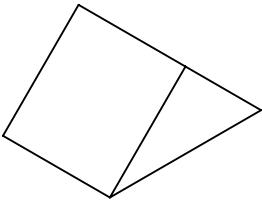
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Jay Budd, Director of Corporate Compliance
June 22, 2025


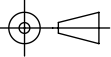
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- NOTES:
- 1. SUBSTRATE MATERIAL: N-BK7
 - 2. ROHS COMPLIANT
 - 3. COATING (APPLY ACROSS CLEAR APERTURE)
 - S1: R(avg) <0.5% @ 600 - 1050nm
 - S2: UNCOATED
 - 4. FINE GRIND SURFACE



**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

REV. A	S1	S2	 Edmund Optics®			
SHAPE	PLANO	PLANO				
ANGLE TOL.	±15 arcsec	±15 arcsec				
SURFACE QUALITY	40-20	40-20				
SURFACE FLATNESS	λ/8	λ/8				
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED				
ALL DIMS IN			mm	TITLE	RA PRISM 50mm HYP CTD NIR I	
				DWG NO	34410	SHEET 1 OF 1