

TECHSPEC® 45° AOI, 50.0mm Square, Cold Mirror



TECHSPEC High Performance Cold Mirrors

Stock #64-451 **15 In Stock**

⊖ 1 ⊕ A\$177⁰⁰

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Volume Pricing	
Qty 1-9	A\$177.60 each
Qty 10-25	A\$160.00 each
Qty 26-49	A\$152.00 each
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Product Downloads

General

Cold Mirror **Type:**

Physical & Mechanical Properties

3.30 ±0.2 **Thickness (mm):**

50.0 x 50.0 **Dimensions (mm):**

Dimensional Tolerance (mm):

+0.0/-0.2

Length (mm):

50.00

Width (mm):

50.00

Optical Properties

Transmission (%):

Dichroic Filter

Coating Type:

Dielectric

Coating:

Cold Mirror, 45°

Surface Flatness (P-V):

4 - 6λ

Wavelength Range (nm):

425 - 1150

Substrate:

BOROFLOAT®

Angle of Incidence (°):

45

Coating Specification:

R_{avg} ≥95% @400 - 690nm and T_{avg} ≥90% @750 - 1200nm
AR Coating: R_{avg} <1% @700 - 1150nm

Surface Quality:

80-50

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 247:

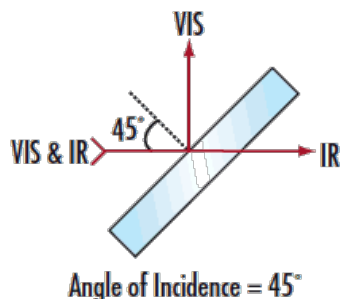
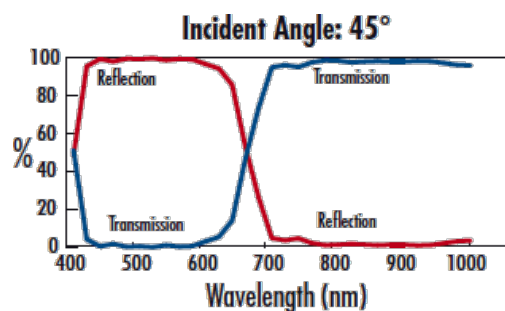
Compliant

Product Details

- >95% Reflection from 400 - 690nm
- >90% Transmission from 750 - 1200nm
- Optimized for 0° or 45° Angle of Incidence

TECHSPEC® High Performance Cold Mirrors feature a multi-layer dielectric coating optimized for greater than 95% reflection of visible light and greater than 90% transmission of IR wavelengths. Cold mirrors are designed for use in any application where heat build-up can cause damage or adverse effects. For high power illumination, forced air cooling is recommended.

Technical Information



Quote Your Size

Compatible Mounts

