

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



TECHSPEC High Performance Cold Mirrors

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

⊖ 1 ⊕ £88.80

ADD TO CART

Volume Pricing	
Qty 1-9	£88.80 each
Qty 10-25	£80.00 each
Qty 26-49	£76.00 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Cold Mirror **Type:**

Physical & Mechanical Properties

3.30 ±0.2 **Thickness (mm):**

Dimensions (mm):

50.0 x 50.0

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](#)

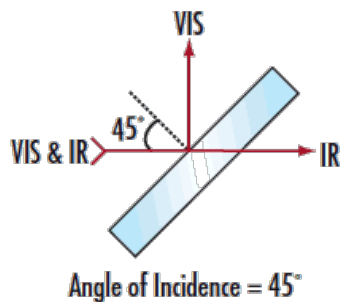
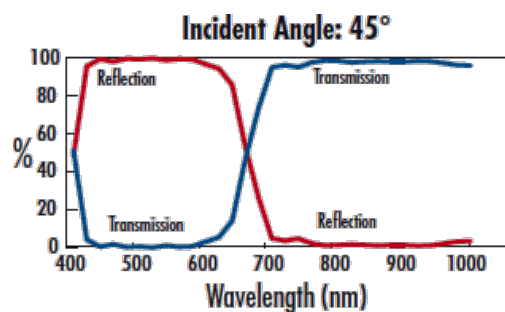
Reach 247:
Compliant

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
