

**TECHSPEC® 45° AOI, 50.0mm Diameter, Cold Mirror**



TECHSPEC High Performance Cold Mirrors

Stock #64-450 **15 In Stock**

⊖ 1 ⊕ C\$155<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-9	C\$155.40 each
Qty 10-25	C\$140.00 each
Qty 26-49	C\$133.00 each
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Product Downloads

**General**

Cold Mirror Type:

**Physical & Mechanical Properties**

50.00 Diameter (mm):

3.30 ±0.2 Thickness (mm):

Dimensional Tolerance (mm):

+0.0/-0.2

## Optical Properties

Dichroic Filter **Transmission (%)**:

Dielectric **Coating Type**:

Cold Mirror, 45° **Coating**:

4 - 6λ **Surface Flatness (P-V)**:

425 - 1150 **Wavelength Range (nm)**:

**Substrate:**   
BOROFLOAT®

45 **Angle of Incidence (°)**:

**Coating Specification:**  
R<sub>avg</sub> ≥95% @ 400 - 690nm and T<sub>avg</sub> ≥90% @ 750 - 1200nm  
AR Coating: R<sub>avg</sub> <1% @ 700 - 1150nm

80-50 **Surface Quality**:

## Regulatory Compliance

**RoHS 2015:**  
Compliant

**Certificate of Conformance:**  
View

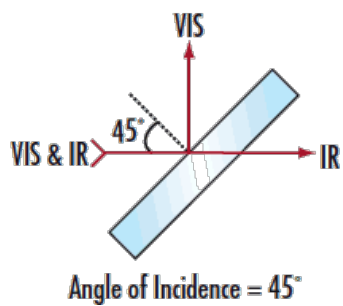
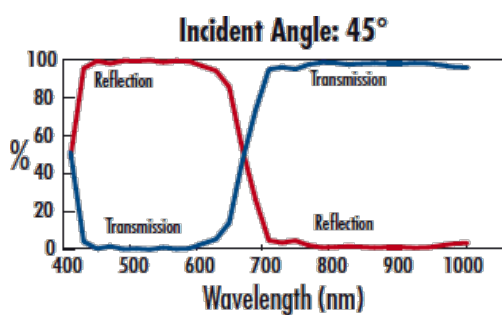
**Reach 247:**  
Compliant

## 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