

[See all 20 Products in Family](#)

**TECHSPEC® 45° AOI, 12.5mm Square, Cold Mirror**



TECHSPEC High Performance Cold Mirrors

Stock **#64-444** **7 In Stock**

⊖ 1 ⊕ C\$71<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-9	C\$71.40 each
Qty 10-25	C\$64.05 each
Qty 26-49	C\$61.25 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Cold Mirror **Type:**

**Physical & Mechanical Properties**

1.10 ±0.2 **Thickness (mm):**

12.5 x 12.5 **Dimensions (mm):**

**Dimensional Tolerance (mm):**

+0.0/-0.2

**Length (mm):**

12.50

**Width (mm):**

12.50

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

**Surface Quality:**

80-50

## Regulatory Compliance

**RoHS 2015:**

**Compliant**

**Certificate of Conformance:**

[View](#)

**Reach 247:**

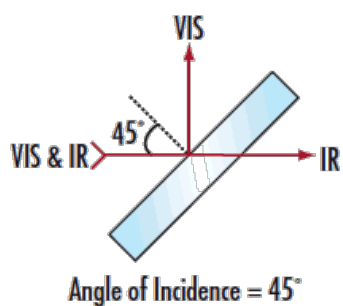
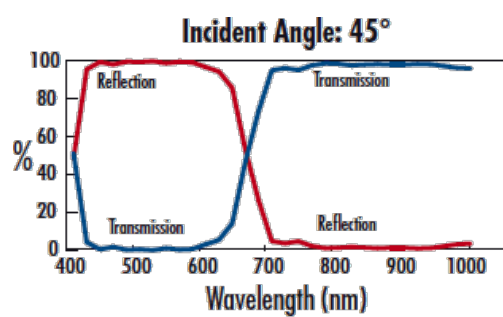
**Compliant**

## 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**

