

[See all 20 Products in Family](#)

**TECHSPEC® 45° AOI, 20.0mm Square, Cold Mirror**



TECHSPEC High Performance Cold Mirrors

Stock **#64-446** **20+ In Stock**

⊖ 1 ⊕ **\$76<sup>00</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-9	<b>\$76.30</b> each
Qty 10-25	<b>\$68.95</b> each
Qty 26-49	<b>\$65.45</b> each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Cold Mirror **Type:**

**Physical & Mechanical Properties**

1.10 ±0.2 **Thickness (mm):**

20.0 x 20.0 **Dimensions (mm):**

Dimensional Tolerance (mm):

+0.0/-0.2

Length (mm):

20.00

Width (mm):

20.00

## 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<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:

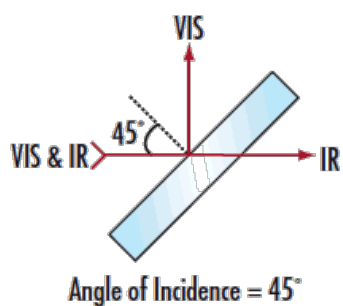
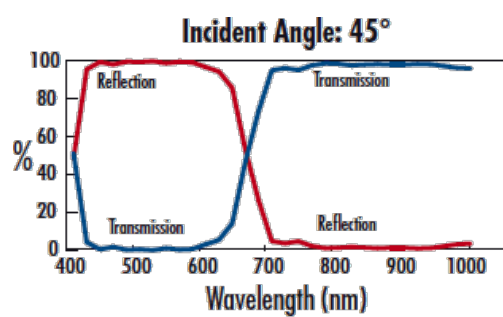
**Compliant**

## 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**

