

## 35mm Square, 45° AOI, Hot Mirror



Hot Mirrors

Stock **#62-630** 20+ In Stock

-

1

+

£48<sup>40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | £48.40 each                   |
| Qty 10-25      | £43.60 each                   |
| Qty 26-49      | £41.60 each                   |
| Need More?     | <a href="#">Request Quote</a> |

**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Dichroic Filter

Physical & Mechanical Properties

Thickness (mm):

3.30

Dimensions (mm):

|            |                             |
|------------|-----------------------------|
| 35.0 x35.0 |                             |
| ±0.5       | Dimensional Tolerance (mm): |
| 35.00      | Length (mm):                |
| 35.00      | Width (mm):                 |

Optical Properties

|                                              |                                     |
|----------------------------------------------|-------------------------------------|
| >85, 425 - 675nm                             | Transmission (%):                   |
| Dielectric                                   | Coating Type:                       |
| Hot Mirror, 45°                              | Coating:                            |
| 4 - 6λ                                       | Surface Flatness (P-V):             |
| 425 - 1125                                   | Wavelength Range (nm):              |
| <a href="#">BOROFLOAT®</a>                   | Substrate: <input type="checkbox"/> |
| 45.00                                        | Angle of Incidence (°):             |
| Surface 1: 45° Hot Mirror<br>Surface 2: None | Coating Specification:              |
| >90, 750 - 1125nm                            | Reflection (%):                     |
| 80-50                                        | Surface Quality:                    |

Regulatory Compliance

|                           |                             |
|---------------------------|-----------------------------|
| <a href="#">Compliant</a> | RoHS 2015:                  |
| <a href="#">View</a>      | Certificate of Conformance: |
| <a href="#">Compliant</a> | Reach 247:                  |

## Product Details

- Ideal for Reducing Heat
- Reflects >90% of the NIR and IR
- Transmits >85% of Visible Light

Hot Mirrors are available in 0° or 45° angle of incidence options and are ideal for decreasing the undesirable heat caused by infrared radiation. A multi-layer dielectric coating transmits 85% of visible light while reflecting over 90% of the NIR and IR, making them suited for projection systems where heat build-up can lead to system damage.

**Note:** When using high power illumination, forced air cooling is recommended.

Hot mirrors are crucial in many projection and illumination systems where high levels of heat can quickly damage sensitive components. Hot mirrors are specially coated to transmit visible light while reflecting the NIR, a major attributor to heat generation. By using a hot mirror, heat levels are limited with minimum impact on the overall system performance.

Quote Your Size

Compatible Mounts