

## Hot Mirrors

With high transmission in the visible band and maximised reflectance in the infrared band, Oxley hot mirrors are ideal for removing unwanted heat from optical systems such as projector lamps. Oxley hot mirrors have also been successfully used to provide thermal shock protection for sensitive electronic equipment. These filters are ideal for any application where the Near Infrared must be removed whilst maximising the visible output. This filter is tuned for an angle of incidence of 0°. Other angles are available.



### Technical Information

Substrate Material	Borosilicate
Dimension Tolerance	± 0.10mm
Thickness Tolerance	± 0.05mm
Design Angle of Incidence	0°
Surface Quality	60/40
Coating	50% Transmission: 690nm ± 12nm Average Transmission: 80% (430nm - 670nm) Max Transmission: 40% (730nm - 1500nm) Average Transmission <5% (730nm - 1500nm) Average Transmission <60% (1500nm - 2000nm)



### Ordering Information

0° incident hot mirrors are available in 3 standard sizes.

- OXL/HM175/254D                      25.4mm dia, 1.75mm thick
- OXL/HM175/254/254                25.4mm x 25.4mm x 1.75mm
- OXL/HM175/508/508                50.8mm x 50.8mm x 1.75mm

Other sizes, thicknesses and incident angles are available on request. Thickness limit: 0.5mm to 5mm. Upper size limit: 120mm x 120mm.

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