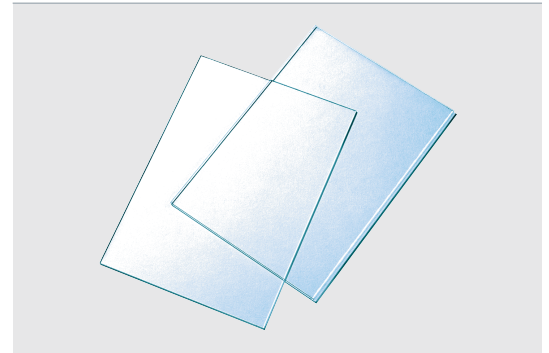


## Cold Mirrors

### Separation of Visible and Infrared Radiation

Cold mirrors reflect visible radiation while transmitting infrared radiation.



### Benefits

- High reflection of visible radiation
- High transmission of infrared energy
- Precise transition from reflection to transmission
- Good neutrality of reflected light
- Absorption free dielectric coating
- Mechanically and chemically resistant
- Defined color temperature on request

### Applications

- Projectors
- Cineprojectors
- Copy machines
- Medical instruments / lighting
- Fiber optic illumination
- Instrumentation
- Reflectors

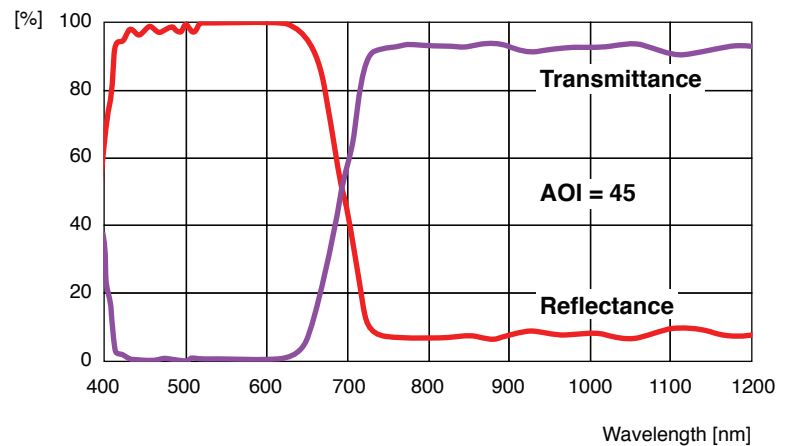
### Technical Data

**Heat resistant**  
up to 300°C

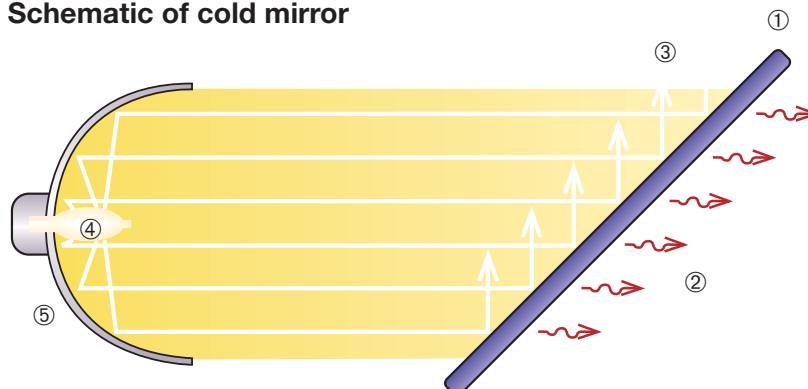
**Spectral characteristics, AOI = 45°**

- R ≥ 425-600 nm
- T = 50% 685 ± 15 nm
- T ≥ 80% 750-2500 nm

### Principle curves of Cold Mirror



### Schematic of cold mirror



#### Schematic of Cold Mirror

1. Cold Mirror
2. IR-radiation
3. Visible light
4. Lamp
5. Reflector

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