



Product Information: BEAM SPLITTERS - Commercial Grade

6/01

General Description

A Beam Splitter, often called a half-mirror, is an optical window with a semi-transparent coating which divides a beam into two or more separate beams.

Abrisa #201 & #202 Commercial Beam Splitters are constructed of metal/dielectric layers on one surface to yield the transmission/reflection characteristic. The second surface is anti-reflection coated to reduce ghost images. They are specifically designed to be color neutral through the visible spectrum.

Metal/dielectric Beam Splitters have specific advantages over all dielectric Beam Splitters. They have superior flatness and are more tolerant of large field angles. Because they are metal/dielectric, an average absorption of .5% is typical.

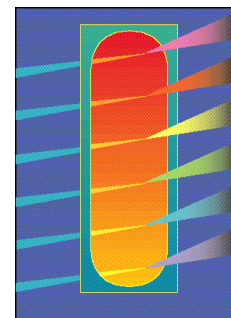
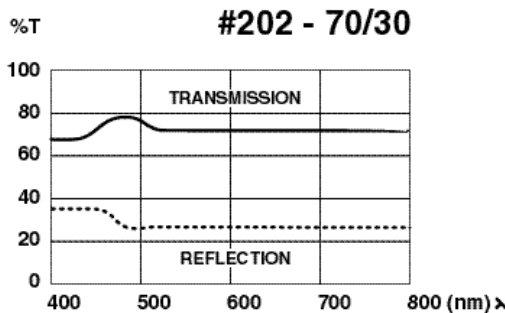
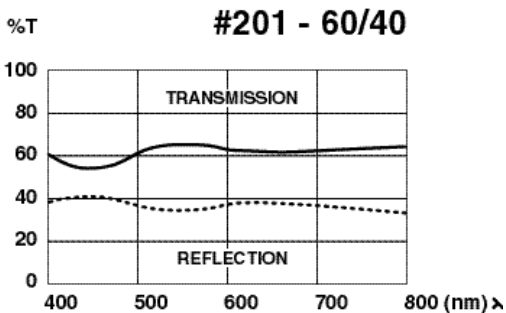
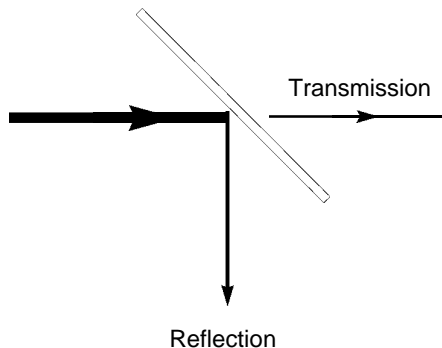
Should you require other ratios or thicknesses than listed below, or should absorption be objectionable, please see Types 101/102/103 (all dielectric Beam Splitters).

Features

- Color Neutral
- Accepts large field angles
- Large size
- Rugged & durable

Specifications

Substrate: Float Glass
 Thickness: 1/8"
 Size: Up to 31" x 34" dia.



OPTICAL COATINGS

LUXAR®
ANTI-REFLECTIVE

OPTIVEX®
U.V. COATING

HOT & COLD
MIRRORS

FRONT SURFACE
MIRRORS

BEAM SPLITTERS

ELECTRICALLY
CONDUCTIVE
(ITO)

PYROLYTICALLY
APPLIED
TIN OXIDE

BAND PASS
FILTERS

SUBSTRATES
FOR COATINGS

