

Large Aluminum Mirrors | TFAEFL

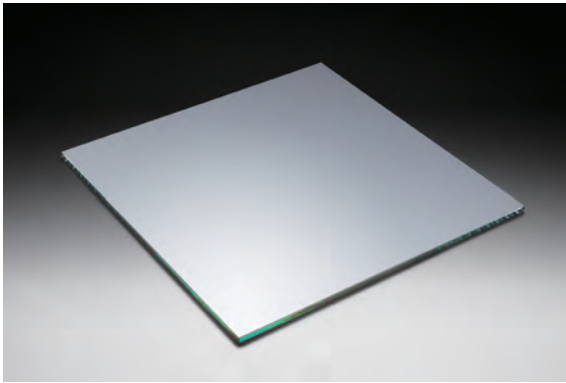
RoHS

Catalog Code

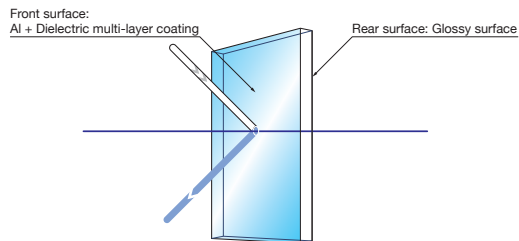
W3177

For applications requiring large aluminum mirrors, standard catalog products of 200mm square are available. Custom larger sizes are available upon request.

- For visible and near-infrared light applications.
- For large aperture optical system.

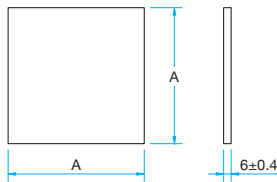


Schematic



Outline Drawing

(in mm)



- Tolerance
- Length $A \pm 0.3$
- Chamfer C0.6 – C1

Specifications

Part Number	Wavelength Range [nm]	Reflectance	Length A [mm]	Surface Flatness
TFAEFL-200S06-P	400 – 700	> average 90	200	4 – 6λ (Within φ25.4)
TFAEFL-250S06-P	400 – 700	> average 90	250	4 – 6λ (Within φ25.4)
TFAEFL-300S06-P	400 – 700	> average 90	300	4 – 6λ (Within φ25.4)

Specifications

Material	Float glass (Soda-Lime glass)
Coating	Al + Dielectric multi-layer coating
Clear aperture	90% of Actual Aperture
Rear surface	Glossy surface
Surface Quality (Scratch-Dig)	60–40

Guide

- ▶ Please contact our Sales Team for customized products.
- ▶ Holders to mount the mirrors are available, please contact our Sales Team to assist your selection.

Attention

- ▶ The mirrors are supplied with a protective film attached to the coated surface. Before use, please remove the protective film.
- ▶ When a laser light is transmitted with multiple mirrors installed there will be a large amount of light loss due to the absorption of the aluminium coating. Please consider using dielectric multi-layer mirrors (TFM) for improved performance.

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

Motorized Stages

Light Sources & Laser Safety

Index

Guide

Mirrors

Beamsplitters

Polarizers

Lenses

Multi-Element Optics

Filters

Prisms

Substrates/Windows

Optical Data

Maintenance

Selection Guide

Super Mirror

Femtosecond Laser

Frameless

Accuracy Guarantee

High Power

Ultra Broadband

Dielectric Coating

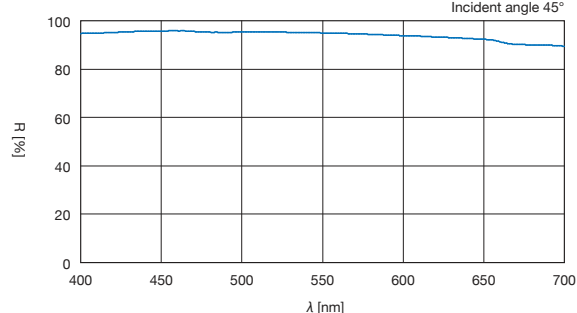
Aluminum Coating

Gold Coating

Typical Reflectance Data

R: Reflectance

400 – 700nm



200 – 1200nm

