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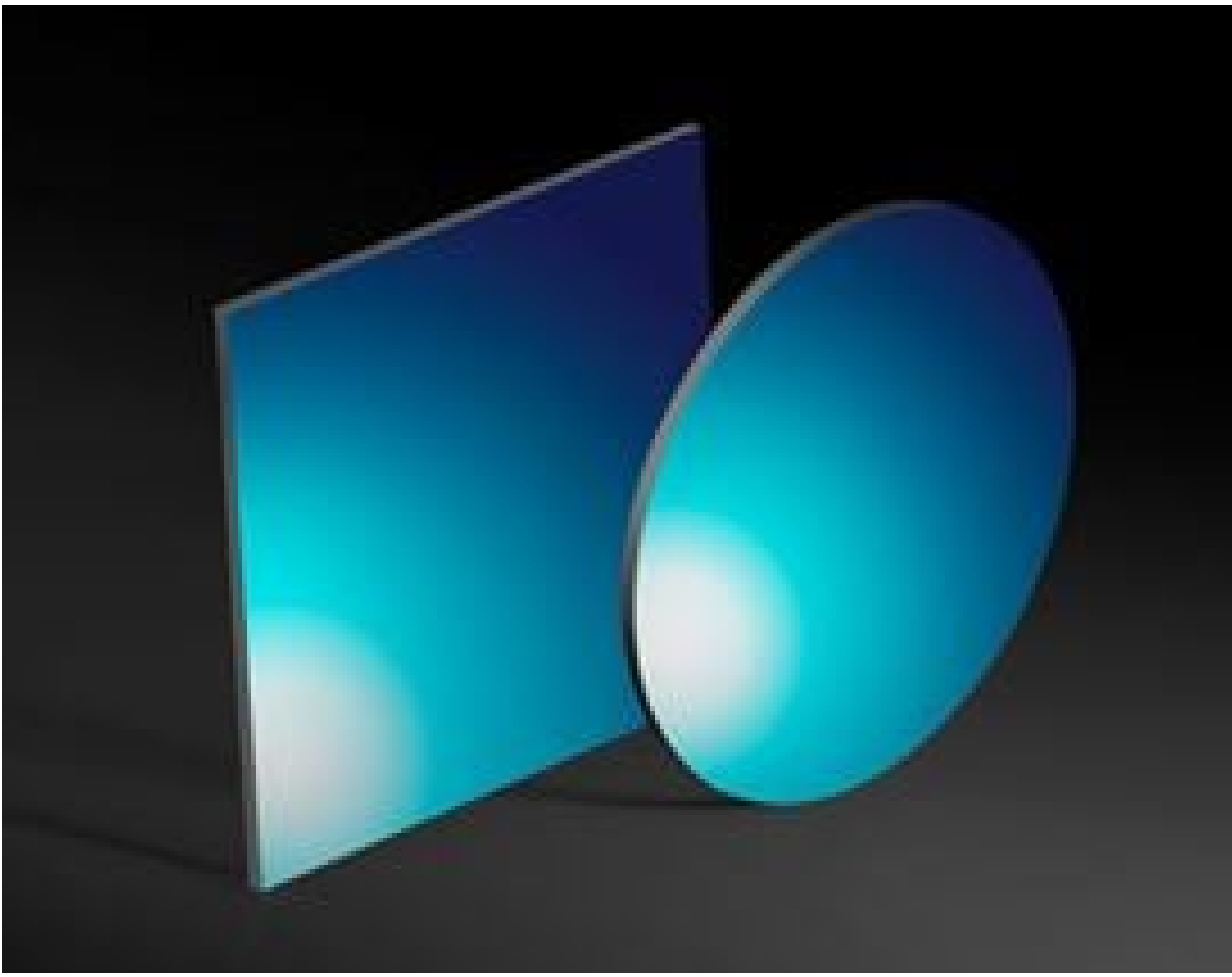
50mm Sq., 0.1mm Thick, Protected Aluminum, Ultra-Thin Mirror



Ultra-Thin First Surface Mirrors

Stock **#70-096** **6 In Stock**

- 1 + **€86**.00

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Volume Pricing	
Qty 1-10	**€86,00** each
Qty 11-49	**€77,00** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Flat Mirror

Physical & Mechanical Properties

Thickness (mm):

0.10 ±0.01

Dimensions (mm):

50.00 x 50.00 ±0.25

Clear Aperture CA (mm):
45.00 x 45.00

Edges:
Cut

Length (mm):
50.00

Width (mm):
50.00

Optical Properties

Coating Type:
Metal

Coating:
Protected Aluminum (400-700nm)

Wavelength Range (nm):
400 - 700

Substrate:
SCHOTT D 263®T eco

Coating Specification:
R_{avg} ≥85% @ 400 - 700nm @ 45° AOI

Surface Quality:
80-50

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our custom manufacturing capabilities or submit an inquiry here.

Product Details

- Ultra-Thin 0.1mm Thickness Substrates
- Protected Aluminum Coated for High Reflectivity in the Visible Spectrum
- Ideal for Weight and Space Sensitive Applications

Ultra-Thin First Surface Mirrors feature an ultra-thin 0.1mm thickness substrate with a protected aluminum coating for ≥85% reflectivity from 400-700nm. Using SCHOTT D263® T eco substrates, these mirrors offer high chemical resistance, environmental durability, excellent thickness tolerances, and low total thickness variation (TTV). These mirrors can be secured into systems using epoxy or optical adhesive, such as Norland Optical Adhesives or Milbond Adhesive System. Ultra-Thin First Surface Mirrors are ideal for beam or light steering applications requiring lightweight, compact optics, such as portable medical and diagnostic devices.

Note: These Ultra-Thin First Surface Mirrors are very fragile and should be handled with care.

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