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TECHSPEC®

30 x 30mm Enhanced Aluminum, $\lambda/20$ Mirror



Stock **#34-363**

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-

1

+

£174^{.40}

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Volume Pricing	
Qty 1-5	£174.40 each
Qty 6-25	£140.00 each
Qty 26-49	£131.20 each
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! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Flat Mirror

Type:

Physical & Mechanical Properties

5.00

Thickness (mm):

30.0 x 30.0 +0.00/-0.20

Dimensions (mm):

Commercial Polish	Back Surface:
90.00	Clear Aperture (%):
Ground, protective bevel as needed	Edges:
30.00	Length (mm):
30.00	Width (mm):
30.00	Parallelism (arcsec):
Optical Properties	
Metal	Coating Type:
Enhanced Aluminum (450-650nm)	Coating:
λ/20 (flatness pre-coating)	Surface Flatness (P-V):
450 - 650	Wavelength Range (nm):
Fused Silica (Corning 7980)	Substrate: □
R _{avg} >95% @450 - 650nm	Coating Specification:
20-10	Surface Quality:
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

Custom

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

- Precision Fused Silica Substrate
- 20-10 Surface Quality
- Low Coefficient of Thermal Expansion

TECHSPEC® λ/20 First Surface Mirrors are polished to industry leading surface accuracy and quality specifications to minimize reflected wavefront error. These mirrors feature a precision fused silica substrate with a low coefficient of thermal expansion. Multiple coating options are available, allowing these mirrors to be integrated into applications spanning the visible through infrared spectra. TECHSPEC® λ/20 First Surface Mirrors are ideal for beam steering and reflection applications and are available in a variety of size, thickness, and coating options.

Note: Surface flatness is measured before coating.

Technical Information



Protected Aluminum		Enhanced Aluminum		UV Enhanced Aluminum		Protected Gold		Protected Silver	
Range (µm)	% Reflection	Range (µm)	% Reflection	Range (µm)	% Reflection	Range (µm)	% Reflection	Range (µm)	% Reflection
0.4 - 0.7	85	0.45 - 0.65	95	0.25 - 0.45	89	0.7 - 2.0	96	0.45 - 2.0	98
0.4 - 2.0	90	—	—	0.25 - 0.70	85	2.0 - 10.0	96	2.0 - 10.0	98

Coating Curves

Compatible Mounts