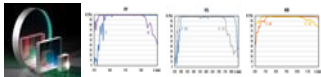
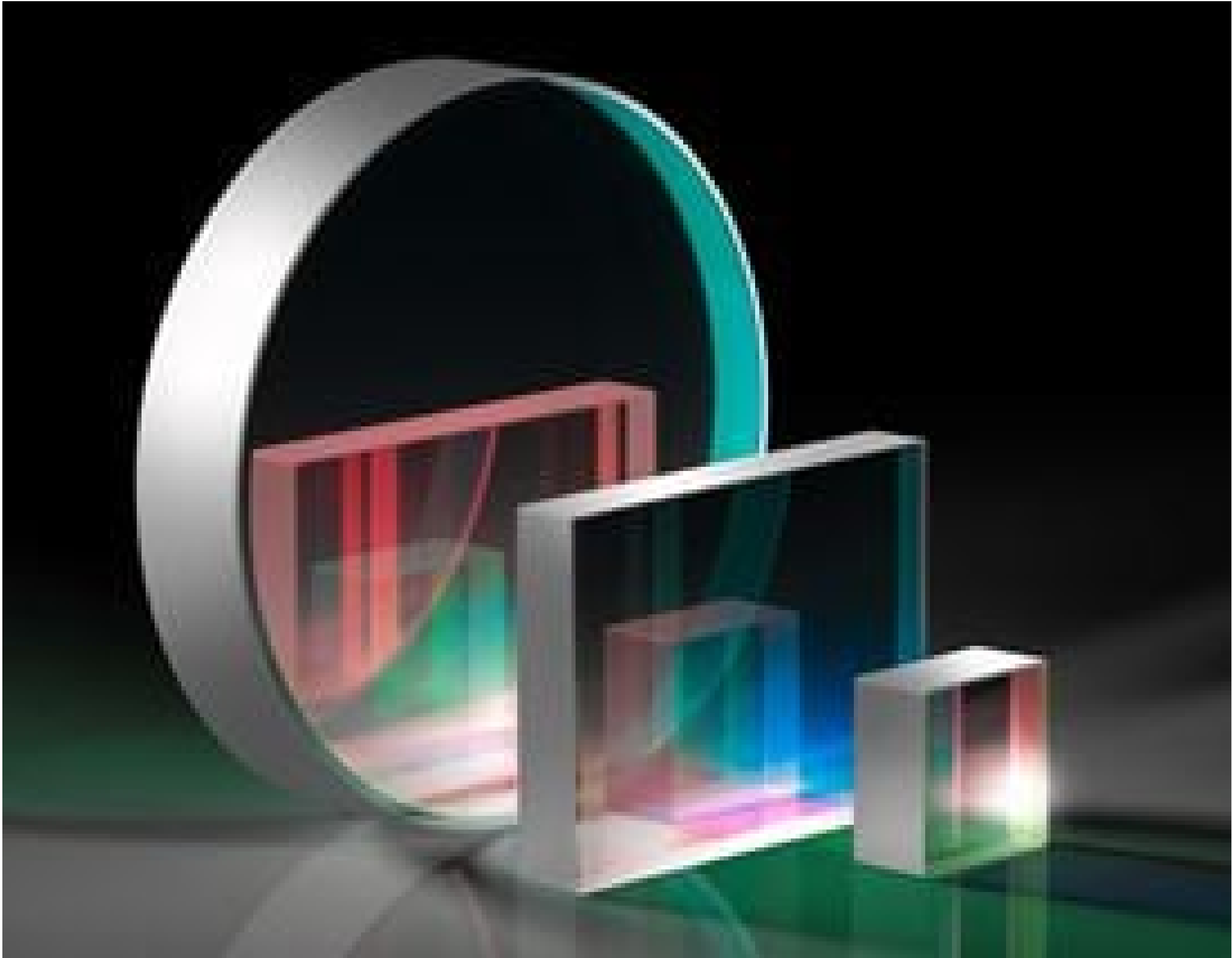


TECHSPEC<sup>®</sup> 19.1mm Dia. 320 - 450nm Broadband  $\lambda/10$  Mirror



Stock **#39-204** 14 In Stock

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+

£111<sup>20</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £111.20 each                  |
| Qty 6-25       | £88.80 each                   |
| Qty 26-49      | £84.00 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:  
Flat Mirror

Physical & Mechanical Properties

Diameter (mm):

|                         |                       |
|-------------------------|-----------------------|
| 19.10 +0.00/-0.10       |                       |
| 6.35 ±0.20              | Thickness (mm):       |
| Commercial Polish       | Back Surface:         |
| 90                      | Clear Aperture (%):   |
| Ground, 0.5mm max bevel | Edges:                |
| <3                      | Parallelism (arcmin): |

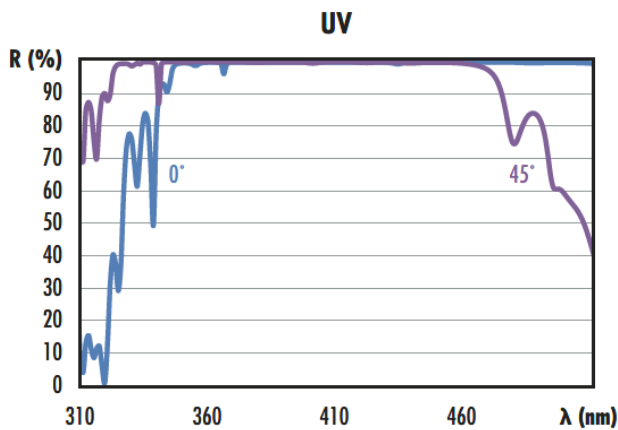
|                                                                                                                                                                                                                    |                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Optical Properties                                                                                                                                                                                                 |                                     |
| Dielectric                                                                                                                                                                                                         | Coating Type:                       |
| Dielectric Mirror (320-450nm)                                                                                                                                                                                      | Coating:                            |
| $\lambda/10$                                                                                                                                                                                                       | Surface Flatness (P-V):             |
| 320 - 450                                                                                                                                                                                                          | Wavelength Range (nm):              |
| <a href="#">Fused Silica</a> (Corning 7980)                                                                                                                                                                        | Substrate: <input type="checkbox"/> |
| 0-45                                                                                                                                                                                                               | Angle of Incidence (°):             |
| Coating Specification:<br>R <sub>avg</sub> >98% @ 340 - 488nm (0°, All Polarizations)<br>R <sub>avg</sub> >98% @ 320 - 450nm (45°, All Polarizations)<br>R <sub>avg</sub> >99% @ 320 - 450nm (45°, S-Polarization) |                                     |
| 20-10                                                                                                                                                                                                              | Surface Quality:                    |
| Damage Threshold, By Design: <input type="checkbox"/><br>0.5 J/cm <sup>2</sup> @ 355nm, 20ns, 20Hz                                                                                                                 |                                     |

|                           |                             |
|---------------------------|-----------------------------|
| Regulatory Compliance     |                             |
| <a href="#">Compliant</a> | RoHS 2015:                  |
| <a href="#">Compliant</a> | Reach 209:                  |
| <a href="#">View</a>      | Certificate of Conformance: |

## Product Details

- Enhanced Reflectivity and LIDT over Metallic Coatings
  - Average Reflectivity >99% Over Broad UV, Visible, and NIR Wavelengths
  - Designed for all Polarization States from 0 – 45° AOI
- TECHSPEC® Broadband Dielectric  $\lambda/10$  Mirrors are ideal for beam steering or reflection applications utilizing multiple laser sources. These mirrors feature greater than 99% reflection, significantly better than metal-coated mirrors, and increase system performance by minimizing energy loss. The highly durable fused silica substrate offers a low thermal expansion coefficient and a high abrasion resistance. TECHSPEC® Broadband Dielectric  $\lambda/10$  Mirrors are designed for applications from the UV to the near-infrared spectra.

## Technical Information



## 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](#).

## Compatible Mounts

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