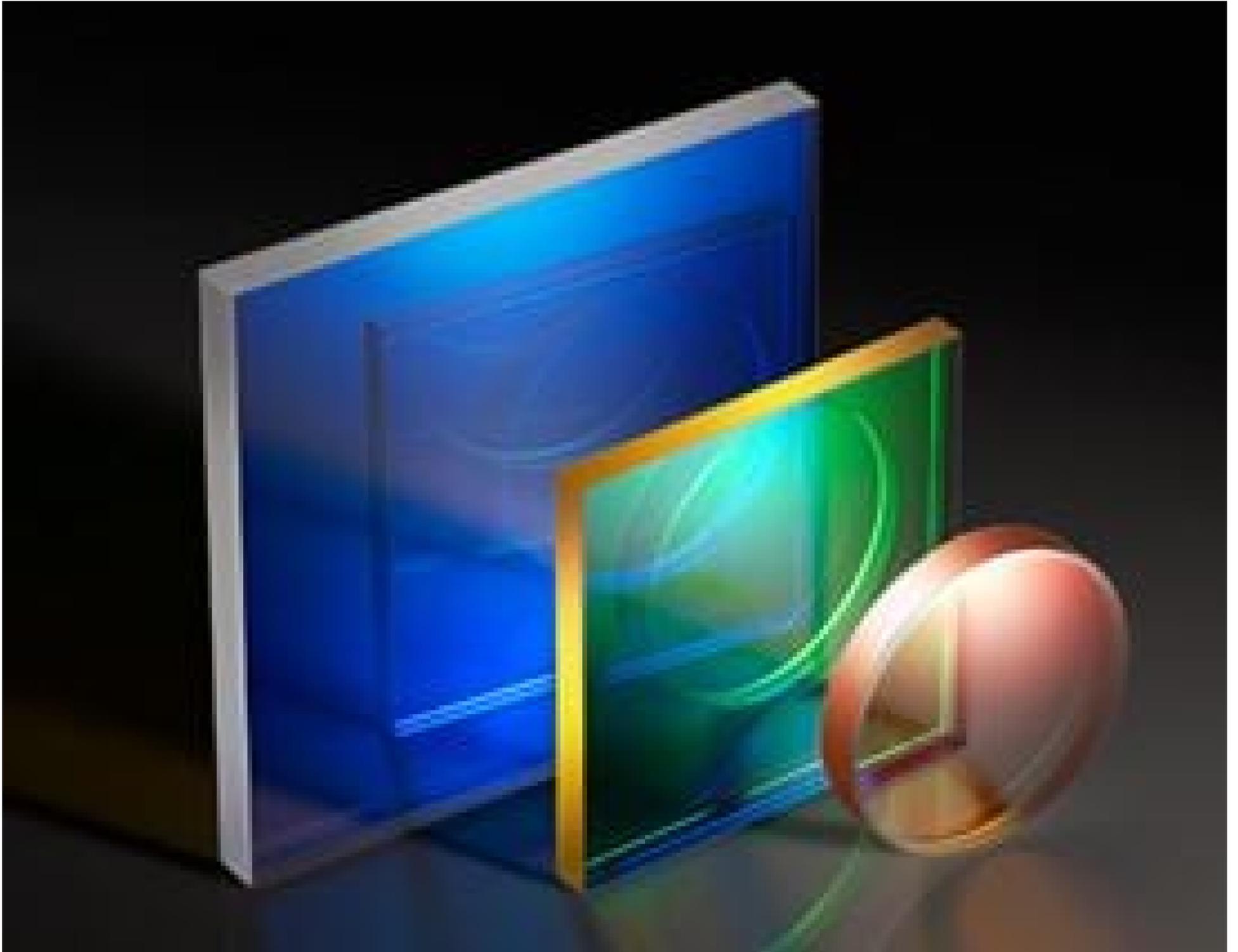


[See all 26 Products in Family](#)

**TECHSPEC® 12.5mm Diameter 45°, Cyan Dichroic Filter**



Stock #66-242 **5 In Stock**

1 **£63<sup>00</sup>**

**ADD TO CART**

Volume Pricing

Qty 1+	£63.20 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Dichroic Filter **Type:**

**Physical & Mechanical Properties**

12.50 **Diameter (mm):**

3.00 ±0.20 **Thickness (mm):**

<1 **Parallelism (arcmin):**

±0.25	<b>Dimensional Tolerance (mm):</b>
90.00	<b>Clear Aperture (%):</b>
<b>Optical Properties</b>	
45.00	<b>Angle of Incidence (°):</b>
590.00	<b>Cut-Off Wavelength (nm):</b>
<b>N-BK7</b>	<b>Substrate:</b> <input type="checkbox"/>
Traditional Coated	<b>Coating:</b>
Cyan	<b>Color:</b>
R <sub>abs</sub> = 50% @ 590nm R <sub>avg</sub> > 98% @ 400 - 565nm	<b>Reflection (%):</b>
400 - 565	<b>Reflection Wavelength (nm):</b>
60-40	<b>Surface Quality:</b>
90.00	<b>Transmission (%):</b>
625 - 725	<b>Transmission Wavelength (nm):</b>
±15	<b>Wavelength Tolerance (nm):</b>
Surface 1: Multi-Layer Dichroic Surface 2: Single Layer MgF <sub>2</sub>	<b>Coating Specification:</b>
400 - 725	<b>Wavelength Range (nm):</b>
λ/4	<b>Surface Flatness (P-V):</b>

<b>Regulatory Compliance</b>	
<b>Compliant</b>	<b>RoHS 2015:</b>
<b>View</b>	<b>Certificate of Conformance:</b>
<b>Compliant</b>	<b>Reach 235:</b>

## Product Details

- Reflects Stated Color While Transmitting Remaining Visible Spectrum
- Ideal for Color Separation Applications
- Precision N-BK7 Substrates

TECHSPEC® 45° Reflective Dichroic Color Filters are designed to be used at a 45° angle of incidence and will reflect the stated color while transmitting the remaining visible wavelengths. EO's Reflective Dichroics boast higher performance and a better-quality substrate than other readily available color processing filters. Each filter provides greater than 98% reflection over the specified color range and greater than 90% transmission of the remaining wavelengths. TECHSPEC 45° Reflective Dichroic Color Filters are traditionally coated and feature an N-BK7 substrate. These filters are available in circular and square sizes.

## 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