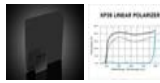
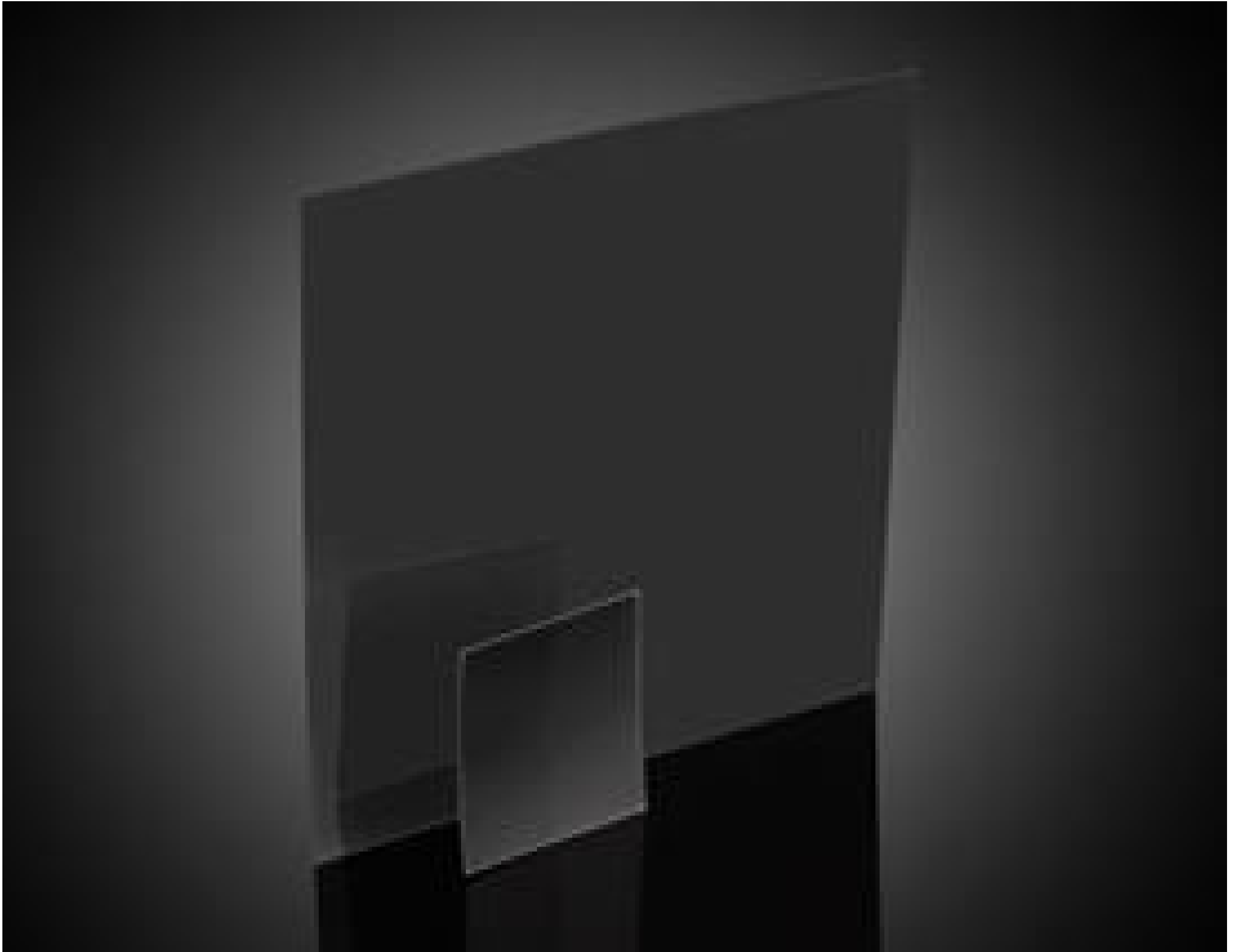


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## 50 x 50mm 38% Transmission Linear Polarizing Film (XP38)



Stock #20-239 **20+ In Stock**

⊖ 1 ⊕ £14<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-10	£14.20 each
Qty 11+	£11.36 each
Need More?	<a href="#">Request Quote</a>

! Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Linear Polarizer **Type:**

**Note:**  
Polarization axis can be identified as follows:  
Circular Parts - Parallel to direction of notch on polarizer  
Square Parts - Parallel to mark on protective film  
Rectangular Parts - Parallel to first listed dimension

## Physical & Mechanical Properties

1.97 x 1.97 **Dimensions (inches):**

50.0 x 50.0 **Dimensions (mm):**

0.007 ±0.001 **Thickness (inches):**

0.19 ±0.02 **Thickness (mm):**

+0.0/-0.5 **Dimensional Tolerance (mm):**

Polarizing Film **Construction:**

## Optical Properties

Up to 7,500:1 **Extinction Ratio:**

[Polymer Film XP38](#) **Substrate:** □

Single: 38.5 ±2  
Parallel: 30.1  
Crossed: <0.004 **Transmission (%):**

400 - 700 **Wavelength Range (nm):**

>99.98 **Polarization Efficiency (%):**

<±5 **Transmission Variance after 1000 Hours (%):**

## Environmental & Durability Factors

-20 to +70 **Operating Temperature (°C):**

70 x 240 **Heat Resistance (°C x Hours):**

40 x 95% RH x 240 **Humidity Resistance (°C x Hours):**

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 235:**

## 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

- 38% Transmission of Unpolarized Light from 400 – 700nm
- Extinction Ratio of up to 7500:1
- Excellent Cost to Performance Ratio

Commercial Grade Visible Linear Polarizing Film (XP38) is a high quality, neutral gray polymer polarizing film that provides a balance between high transmission and high extinction ratio. Offering 38% transmission of unpolarized light and an extinction ratio up to 7500:1 in the visible spectrum, this polarizing film is ideal for a range of imaging, microscopy and display applications. Available in sheets up to 600 x 900mm, Commercial Grade Visible Linear Polarizing Film (XP38) can be cut to fit any application need.

**Note:** The transmission axis is parallel to the first dimension listed.

## Technical Information

# XP38 LINEAR POLARIZER

