

Red Fluorescent Filter (R7), 50mm Square



Stock **#84-886** CLEARANCE CONTACT US

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1

+

£628⁰⁰

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Volume Pricing	
Qty 1-9	£628.00 each
Qty 10-25	£552.00 each
Qty 26-49	£520.80 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Color Filter

Physical & Mechanical Properties

Dimensions (mm):

50.0 x 50.0 ±0.10	
50.00	Length (mm):
3.00 ±0.10	Thickness (mm):
50.00	Width (mm):

Optical Properties	
	Glass/Filter Number:
R7	
	Substrate: □
Lumilass	
	Coating:
Uncoated	
	Color:
Red	
	Index of Refraction (n _d):
1.645	
	Peak Emission Wavelength (nm):
610.00	
	Excitation Wavelength (nm):
200 - 420	
	Peak Excitation Wavelength (nm):
365.00	

Performance	
	Minimum Sensitivity:
~1μW/cm²	

Material Properties	
	Transformation Temperature (°C):
594.00	

Regulatory Compliance	
	RoHS 2015:
Compliant	
	Certificate of Conformance:
View	
	Reach 235:
Compliant	

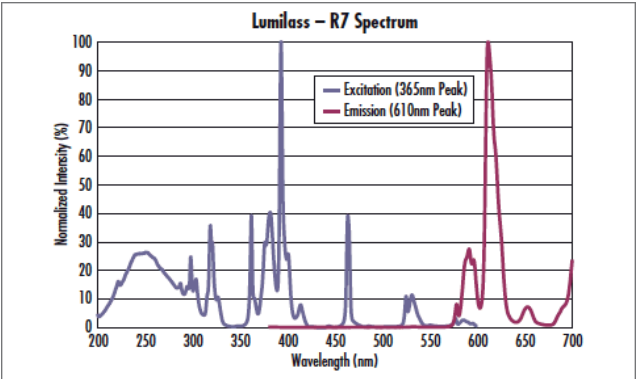
Product Details

- Excite with UV Illumination
- Wide Range of Fluorescence Colors
- High Sensitivity and Durability

Fluorescent Glass Filters absorb UV energy (peak absorption at 365nm) and re-emit light into the visible spectrum. Appearing colorless when not exposed to UV light, these filters are available with red, orange, yellow, green, blue, and purple emission colors. Sensitivity as low as ~1μW/cm2 allows for these filters to transform faint UV sources to detectable visible light. Fluorescent Glass Filters are ideal for use in fluorescence microscopy, excimer laser detection and characterization, and as a standard test material for fluorescence characteristics

These fluorescent glass filters are ideal for blocking excitation light while efficiently transmitting emission wavelengths in fluorescence imaging and spectroscopy. Manufactured from high-quality colored glass, they offer sharp spectral cutoffs and strong out-of-band blocking without the need for complex coating stacks. These durable glass filters are well-suited for use in research microscopes, fluorescence systems, and other light-sensitive optical setups requiring consistent and stable spectral performance.

Technical Information



Compatible Mounts

