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# Complete 12.5mm Kit

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Stock #66-135 **1 In Stock**

1

€599<sup>00</sup>

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Volume Pricing	
Qty	€599,00
1+	each
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Product Downloads	
Curve:pdf	PDF Drawing:pdf
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## General

**Filters Included :** All 37 Longpass Glass Color Filter Types

**Type:** Longpass Filter

## Physical & Mechanical Properties

**Diameter (mm):** 12.50

**Bevel:** Protective as needed

## Optical Properties

**Substrate:** Colored Glass

**Coating:** Uncoated

**Color:** Multiple Colors

## Regulatory Compliance

**Reach 181:** **Compliant**

**RoHS 2015:** **Exempt**

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

## Product Details

- UV, VIS and IR Pass Ranges
- VIS Can Be Used for Color Bandpass
- Also Available [Mounted](#)

Hoya Colored Glass Longpass Filters feature a colored glass substrate. These filters are manufactured from substrates with inherently different absorption and transmission properties across a specific spectral region. Hoya Colored Glass Longpass Filters have UV, VIS, and IR pass ranges. A longpass filter has low transmission in the shortwave region (stopband) and high transmission in the longwave region (passband). These filters are also available in a [mounted](#) version.

### Longpass Filter Kits

Longpass filter kits are available in three different options: UV-VIS, VIS, or VIS-NIR. Each kit contains 8 filters in either 12.5mm diameter, 1" diameter, or 2" square.

UV-VIS Kit Contains: WG 295, WG 305, WG 320, L 37, GG 400, GG 420, GG 435, GG 455

VIS Kit Contains: GG 475, GG 495, OG 515, OG 530, OG 550, OG 570, OG 590, RG 610

VIS-NIR Kit Contains: RG 630, RG 665, RG 695, RG 715, RG 780, RG 830, RG 850, RG 1000

### Complete Filter Kits

Complete filter kits are available with 12.5mm diameter, 50.0mm diameter, 1" diameter, or 2" square filters. Each kit contains all 37 Longpass Glass Color Filter types.

Note: Due to supply chain issues, our kits may be delivered with an alternative packaging solution in place of a wooden box. For any questions, please contact [kits@edmundoptics.com](mailto:kits@edmundoptics.com).

## Filter Simulation Software

[Click here](#) to download HOYA's colored glass filter simulation software which can be used to calculate the internal transmittance and external transmission of each HOYA glass type. The software can simulate the performance of individual filters with user specified thickness.

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

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$\lambda_s$	limit of stopband: specified at 0.001% internal transmittance
$\lambda_c$	cut-off position: specified at 50% internal transmittance
$\lambda_p$	limit of the passband
$t_{ip}$	internal spectral transmittance at $\lambda_p$
$\rho$	density
$T_g$	transformation temperature

## Accessories

**Note:** Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

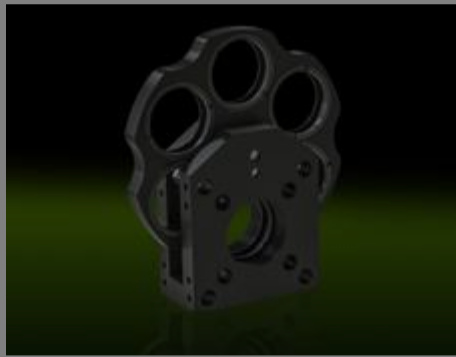
	Title	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	VIS 12.5mm Dia Longpass Filter Kit		<b>#47-847</b>	€199,00 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	UV-VIS 12.5mm Dia Longpass Filter Kit		<b>#47-846</b>	€199,00 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	VIS-NIR 12.5mm Dia Longpass Filter Kit		<b>#47-848</b>	€199,00 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/>
<a href="#">MORE+</a>	VIS 25.4mm Dia Longpass Filter Kit		<b>#47-399</b>	€299,00 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	VIS-NIR 25.4mm Dia Longpass Filter Kit		<b>#47-400</b>	€299,00 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	UV-VIS 25.4mm Dia Longpass Filter Kit		<b>#47-398</b>	€299,00 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	UV-VIS 50mm Dia Longpass Filter Kit		<b>#66-132</b>	€599,00 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/>
<a href="#">MORE+</a>	VIS 50mm Dia Longpass Filter Kit		<b>#66-133</b>	€599,00 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	VIS-NIR 50mm Dia Longpass Filter Kit		<b>#66-134</b>	€599,00 <a href="#">Request Quote</a>	3 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Complete 12.5mm Dia Longpass Filter Kit		<b>#66-135</b>	€599,00 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Complete 25.4mm Dia Longpass Filter Kit		<b>#66-136</b>	€1.299,00 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>

	Title	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	Complete 50mm Dia			€2.499,00	<a href="#">CONTACT US</a> 1
<a href="#">MORE+</a>	50/50.8mm Sq. Hoya/S				<a href="#">CONTACT US</a> 1
<a href="#">MORE+</a>	50/50.8mm Sq. Hoya/SCHOTT Complete Colored Glass Longpass Filter Kit (37 Filters)		#17-017	€2.200,00 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> 1

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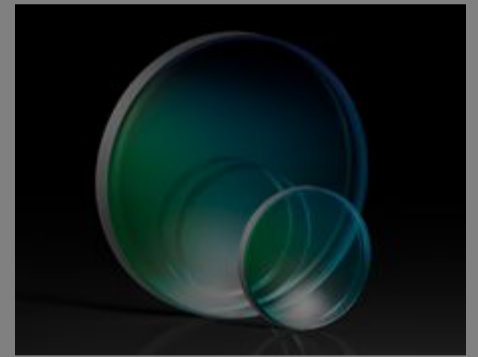
Manual Cage Filter Wheel



Fixed/Multiple Filter Mounts



Cotton-Tipped Swab Applicators



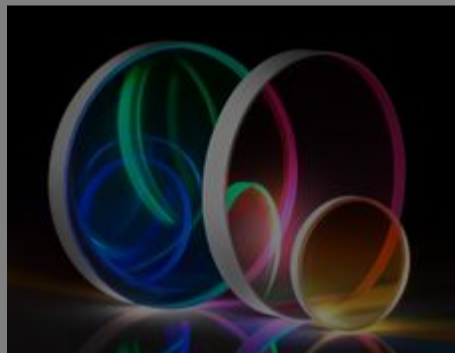
OD 2.0 Longpass Filters

## Frequently Purchased Together



#64-595 - 575nm 12.5mm Diameter, OD 2.0 Shortpass Filter  
€98,00

Qty



#64-597 - 675nm 12.5mm Diameter, OD 2.0 Shortpass Filter  
€98,00

Qty



#64-598 - 725nm 12.5mm Diameter, OD 2.0 Shortpass Filter  
€98,00

Qty



#66-068 - Hoya R72 (720nm), 50.8mm Sq., 2.5mm Thick, Colored Glass Longpass Filter  
€105,00

Qty

## Resources

### Media Type

- Application Note
- Video
- Published Article
- FAQ
- Glossary
- Trending in Optics

**APPLICATION NOTE**

The Importance of Optical Filter Orientation...

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