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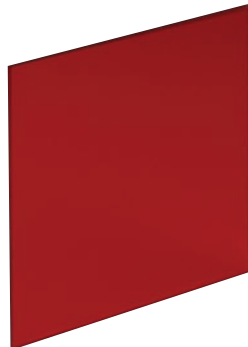
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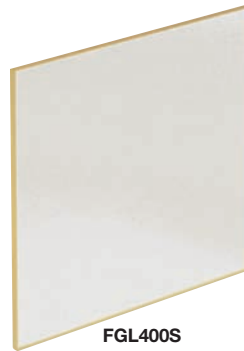
Longpass Colored Glass Filters (Page 1 of 4)



FGL610S



FGL715



FGL400S



FGL550



FGL495



FGL850S

6" x 6" Square
Filter Available

Thorlabs' longpass colored glass filters are manufactured from different colors of Schott glass and are intended for use in a wide variety of applications. The filters are available in both round and square shapes. The Ø25.0 mm round filters will fit into our manual or motorized filter wheels; alternatively, they can be mounted in lens tubes. To mount the 50.8 mm x 50.8 mm (2" x 2") square filters, choose from our selection of fixed filter holders starting on page 305. For the 152.4 mm x 152.4 mm (6" x 6") filters, we recommend the FP02 Plate Holder (see page 306).

Specifications

- **Material:** Schott Colored Glass
- **Clear Aperture:** 80% of Area
- **Surface Quality:** 40-20 Scratch-Dig
- **Surface Flatness**
 - $<\lambda/4$ @ 633 nm, Ø25 mm Round
 - $<\lambda/2$ @ 633 nm, 2" Square
 - $<\lambda/4$ @ 632.8 nm over 1", 6" Square
- **Wedge**
 - <3 arcmin, Ø25 mm
 - <3 arcmin, 2" Square
 - <5 arcmin, 6" Square
- **Damage Threshold:**
30 W/cm² (Typical)

■ Dimensions

- Round: Ø25 mm
- Square: 50.8 mm x 50.8 mm (2" x 2")
152.4 mm x 152.4 mm (6" x 6")

■ Dimensional Tolerance

- Round: +0.0/-0.2 mm (Diameter)
- Square: +0.0/-0.4 mm (Side)

■ Thickness

- 2 mm, Ø25 mm Round
- 2 mm, 2" Square
- 3 mm, 6" Square

■ Thickness Tolerance

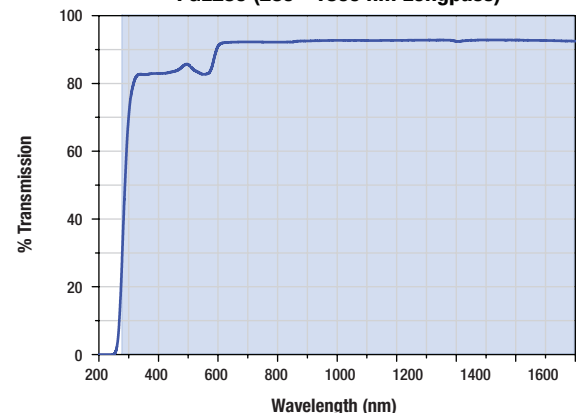
- Round: +0.0/-0.2 mm
- Square: +0.0/-0.4 mm

FGL280 Longpass Filter

- N-WG280 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick



FGL280 (280 - 1800 nm Longpass)

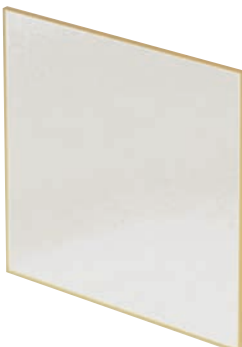


ITEM #	SIZE	\$	£	€	RMB
FGL280	Ø25 mm	\$ 34.64	£ 24.94	€ 30.14	¥ 276.08
FGL280S	2" x 2"	\$ 70.08	£ 50.46	€ 60.97	¥ 558.54

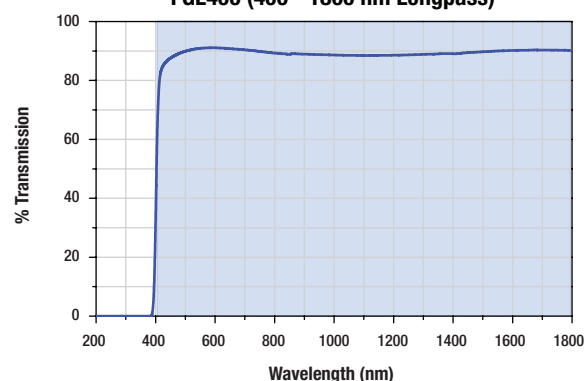
Longpass Colored Glass Filters (Page 2 of 4)

FGL400 Longpass Filter

- GG400 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick



FGL400 (400 - 1800 nm Longpass)



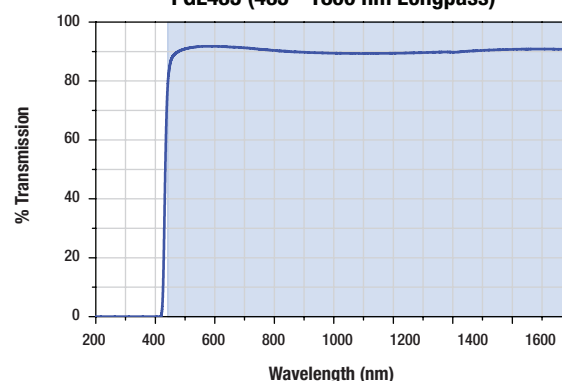
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FGL400	Ø25 mm	\$ 34.64	£ 24.94	€ 30,14	¥ 276.08
FGL400S	2" x 2"	\$ 51.12	£ 36.81	€ 44,47	¥ 407.43

FGL435 Longpass Filter

- GG435 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick



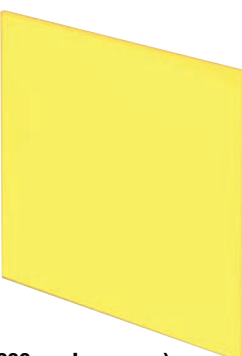
FGL435 (435 - 1800 nm Longpass)



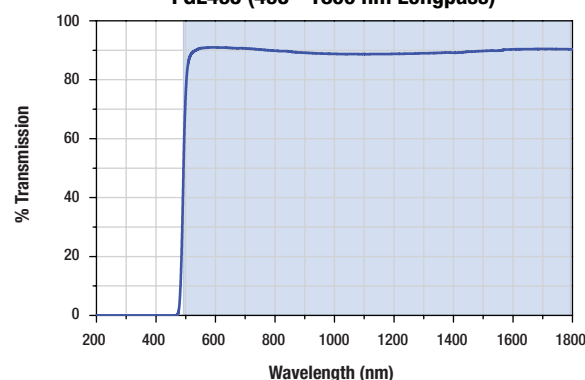
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FGL435	Ø25 mm	\$ 34.64	£ 24.94	€ 30,14	¥ 276.08
FGL435S	2" x 2"	\$ 70.08	£ 50.46	€ 60,97	¥ 558.54

FGL495 Longpass Filter

- GG495 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick



FGL495 (495 - 1800 nm Longpass)



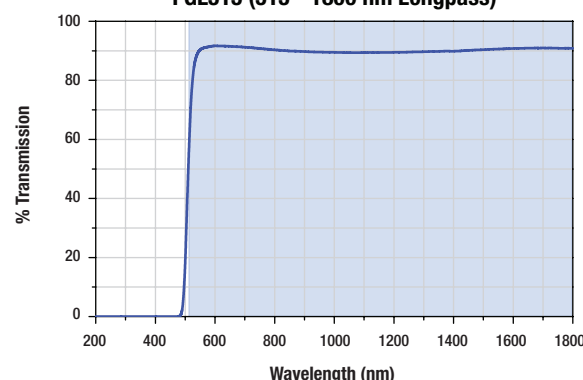
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FGL495	Ø25 mm	\$ 34.64	£ 24.94	€ 30,14	¥ 276.08
FGL495S	2" x 2"	\$ 51.12	£ 36.81	€ 44,47	¥ 407.43

FGL515 Longpass Filter

- OG515 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick



FGL515 (515 - 1800 nm Longpass)



ITEM #	SIZE	\$	£	€	RMB
FGL515	Ø25 mm	\$ 34.64	£ 24.94	€ 30,14	¥ 276.08
FGL515S	2" x 2"	\$ 70.08	£ 50.46	€ 60,97	¥ 558.54

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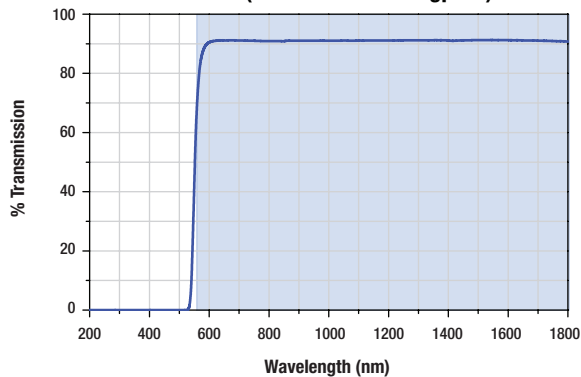
Longpass Colored Glass Filters (Page 3 of 4)

FGL550 Longpass Filter

- OG550 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick



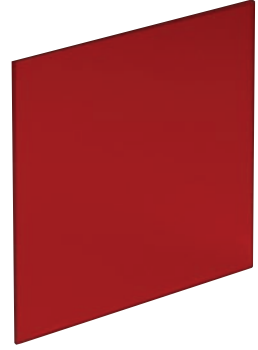
FGL550 (550 - 1800 nm Longpass)



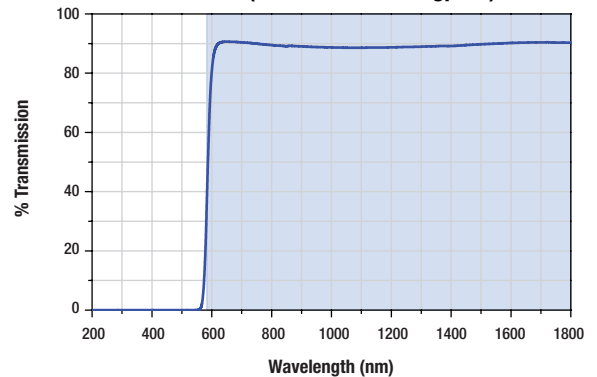
ITEM #	SIZE	\$	£	€	RMB
FGL550	Ø25 mm	\$ 34.64	£ 24.94	€ 30,14	¥ 276.08
FGL550S	2" x 2"	\$ 51.12	£ 36.81	€ 44,47	¥ 407.43

FGL590 Longpass Filter

- OG590 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick



FGL590 (590 - 1800 nm Longpass)



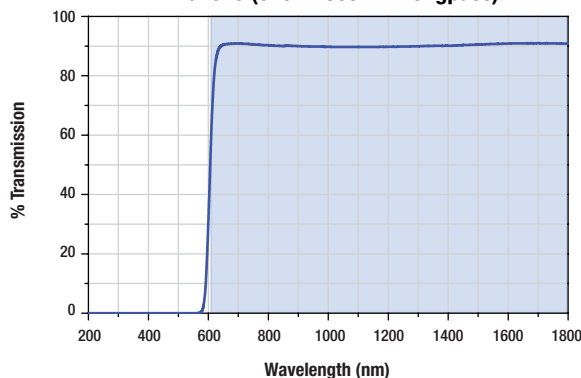
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FGL590	Ø25 mm	\$ 34.64	£ 24.94	€ 30,14	¥ 276.08
FGL590S	2" x 2"	\$ 70.08	£ 50.46	€ 60,97	¥ 558.54

FGL610 Longpass Filter

- RG610 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick
- 6" x 6", 3 mm Thick



FGL610 (610 - 1800 nm Longpass)



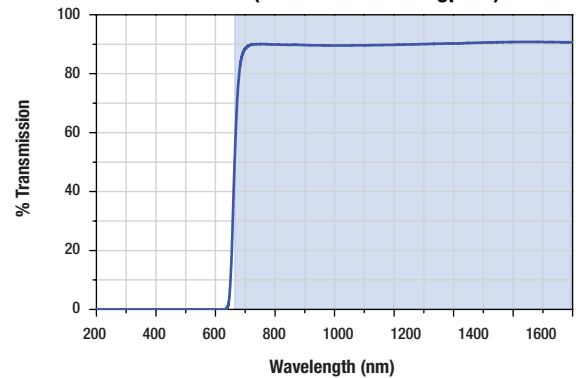
ITEM #	SIZE	\$	£	€	RMB
FGL610	Ø25 mm	\$ 34.64	£ 24.94	€ 30,14	¥ 276.08
FGL610S	2" x 2"	\$ 51.12	£ 36.81	€ 44,47	¥ 407.43
FGL610H	6" x 6"	\$ 320.00	£ 230.40	€ 278,40	¥ 2,550.40

FGL665 Longpass Filter

- RG665 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick



FGL665 (665 - 1800 nm Longpass)



ITEM #	SIZE	\$	£	€	RMB
FGL665	Ø25 mm	\$ 34.64	£ 24.94	€ 30,14	¥ 276.08
FGL665S	2" x 2"	\$ 70.08	£ 50.46	€ 60,97	¥ 558.54

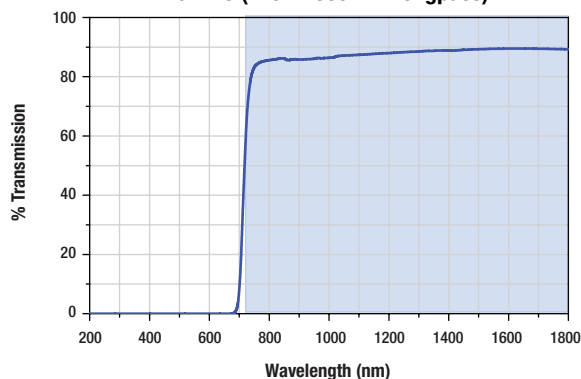
Longpass Colored Glass Filters (Page 4 of 4)

FGL715 Longpass Filter

- RG715 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick



FGL715 (715 - 1800 nm Longpass)



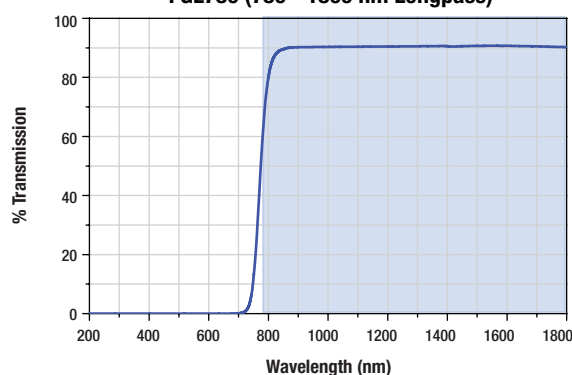
ITEM #	SIZE	\$	£	€	RMB
FGL715	Ø25 mm	\$ 39.52	£ 28.45	€ 34.38	¥ 314.97
FGL715S	2" x 2"	\$ 59.36	£ 42.74	€ 51.64	¥ 473.10

FGL780 Longpass Filter

- RG780 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick
- 6" x 6", 3 mm Thick



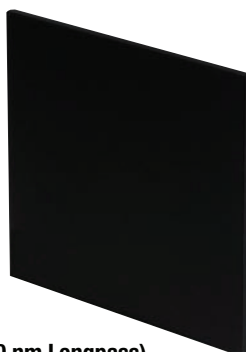
FGL780 (780 - 1800 nm Longpass)



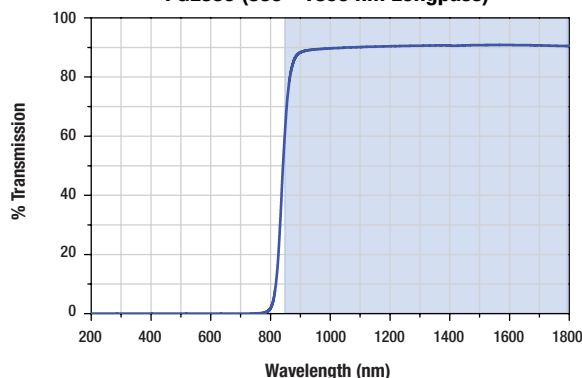
ITEM #	SIZE	\$	£	€	RMB
FGL780	Ø25 mm	\$ 39.52	£ 28.45	€ 34.38	¥ 314.97
FGL780S	2" x 2"	\$ 59.36	£ 42.74	€ 51.64	¥ 473.10
FGL780H	6" x 6"	\$ 340.00	£ 244.80	€ 295.80	¥ 2,709.80

FGL850 Longpass Filter

- RG850 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick
- 6" x 6", 3 mm Thick



FGL850 (850 - 1800 nm Longpass)



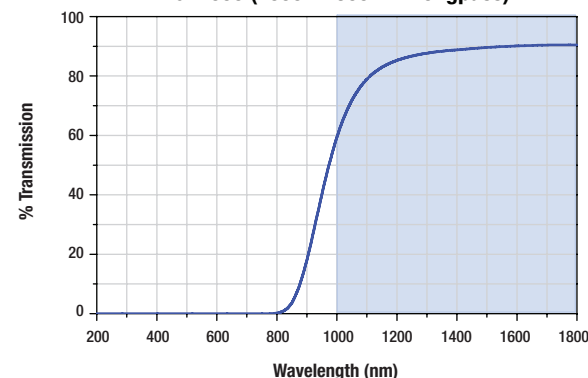
ITEM #	SIZE	\$	£	€	RMB
FGL850	Ø25 mm	\$ 49.44	£ 35.60	€ 43.01	¥ 394.04
FGL850S	2" x 2"	\$ 72.48	£ 52.19	€ 63.06	¥ 577.67
FGL850H	6" x 6"	\$ 320.00	£ 230.40	€ 278.40	¥ 2,550.40

FGL1000 Longpass Filter

- RG1000 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick



FGL1000 (1000 - 1800 nm Longpass)



ITEM #	SIZE	\$	£	€	RMB
FGL1000	Ø25 mm	\$ 34.64	£ 24.94	€ 30.14	¥ 276.08
FGL1000S	2" x 2"	\$ 70.08	£ 50.46	€ 60.97	¥ 558.54