

# Longpass Filters

## Longpass Filters

Schneider Kreuznach longpass filters are designed with sharp cut-off wavelength from 400 nm to 820 nm. Longpass Filters are ideal for fluorescence and wavelength sorting applications.

All filters are available mounted (M25.5 to M67) and unmounted in 10.0mm to 74.0mm size. Custom size available upon request.

Call us to discuss your OEM and custom requirements.



### Key Features

- Improve Contrast
- Isolate Colors
- Sizes 10 mm to 74 mm diameter.
- Mounted with common thread sizes M 25.5 to M 67 available

### Applications

- Traffic
- Process Control
- Machine Vision Applications
- Line Inspection
- Food and Beverage Inspection

### Technical Specifications

Filter type	LP 400, LP 430, LP 495, LP 565, LP 590, LP 630, LP 695, LP 765, LP 820
Surface <sup>1</sup>	5/2 × 0.16
Wave front distortion <sup>1</sup>	10 – 30 mm:13/1 (0.2) 31 – 50 mm:13/1 (0.25) 51 – 74 mm:13/1 (0.35)
Parallelism	1 arc minute
Thickness	2.0 ± 0.2 mm

<sup>1</sup> Specification according to ISO 10110

# Longpass Filters

Longpass filters can be used as IR-pass filter, or UV cut filter. Where the range of standard bandpass filters does not fit, combining a longpass with a shortpass filter is an easy way to create an effective, custom bandpass filter.

Longpass filters are available unmounted in sizes from 10 mm to 74 mm diameter and mounted with common thread sizes M 25.5 to M 67.

Call us to discuss your OEM and custom requirements.

## Key Features

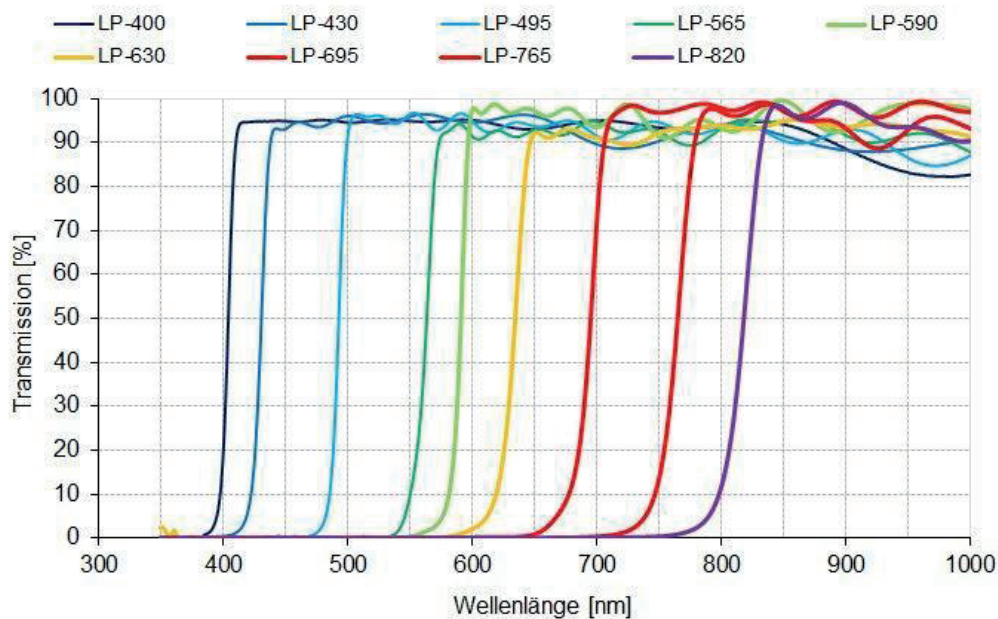
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## Applications

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## Technical Specifications

Filter type:	IF LP 400	IF LP 430	IF LP 495	IF LP 565	IF LP 590	IF LP 630	IF LP 695	IF LP 765	IF LP 820
Cut-on wavelength	400 nm	430 nm	495 nm	565 nm	590 nm	630 nm	695 nm	765 nm	820 nm
AR Coating	E	E	E	E	MRCIR	MRCIR	MRCIR	N/A	N/A
Wavelength tolerance	± 10 nm								
Transmittance/ Blocking	> 85 % / < 1%								
Diameter	10 - 74 mm								
Diameter tolerance	+0 - 0.3 mm								



<b>Order Instructions:</b>																					
<b>Mounted filter:</b>	IF																				
<b>Unmounted filter glass:</b>	IFG																				
<b>Type:</b>	LP (Longpass) cut-on wavelength																				
<b>Mount:</b>	SH (standard M- thread mounts) SN-1 (only for 30.5mm) CMT (C-mount)																				
<b>Size:</b>	Thread of mount for mounted filters (IF) or Diameter in mm for unmounted glass (IFG)																				
<b>Examples:</b>	<table border="0"> <thead> <tr> <th>IFx</th> <th>type</th> <th>mount</th> <th>size</th> </tr> </thead> <tbody> <tr> <td>IF</td> <td>LP 820</td> <td>SH</td> <td>25.5</td> </tr> <tr> <td colspan="2">Mounted filter, longpass cut-on wavelength 820nm,</td> <td>thread size</td> <td>M25.5</td> </tr> <tr> <td>IFG</td> <td>LP 430</td> <td>30.0</td> <td></td> </tr> <tr> <td colspan="2">Unmounted filter, longpass cut-on wavelength 430nm,</td> <td>diameter</td> <td>30.0mm</td> </tr> </tbody> </table>	IFx	type	mount	size	IF	LP 820	SH	25.5	Mounted filter, longpass cut-on wavelength 820nm,		thread size	M25.5	IFG	LP 430	30.0		Unmounted filter, longpass cut-on wavelength 430nm,		diameter	30.0mm
IFx	type	mount	size																		
IF	LP 820	SH	25.5																		
Mounted filter, longpass cut-on wavelength 820nm,		thread size	M25.5																		
IFG	LP 430	30.0																			
Unmounted filter, longpass cut-on wavelength 430nm,		diameter	30.0mm																		

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