



Available in glass or acrylic substrates, protective filters shield lenses and lighting from impact, dust and harsh environments – while blocking shorter UV wavelengths.

## FEATURES

- High efficiency anti-reflection coatings are standard on AC380, LP280, LP340 and LP415 filters to maximize transmission
- UV/VIS/Near-IR
- Acrylic protective filters are an economical solution for covering lighting and camera enclosures

**Useful for:** protecting expensive, larger lenses, filters, and coaxial and other lighting; blocking interfering UV wavelengths

## MOUNT & SIZE OPTIONS

- **LP Series:** Threaded Mount, C/CS Mount, Slip Mount, Unmounted
- **AC Series:** Threaded Mount, Slip Mount, Unmounted
- Threaded Mount Sizes: M13.25 – M105
- Custom shapes and sizes available

## VISIBLE (VIS)

- Acrylic or glass options; anti-reflection coated or uncoated alternatives available
- Block UV wavelengths while simultaneously passing >90% of the visible and near-IR
- Available in mounts or custom sizes up to 600mm (24”) dia.; can be provided with through-holes, tabs, or other features to aid in mounting

## ULTRAVIOLET (UV)

LP280 and LP330 will pass near-UV light, while other types block UV.

## NEAR-INFRARED (NIR)

- AC685 and AC760 acrylic materials are 2mm thick, shatter-resistant, and appear black; blocking visible light and passing near-IR wavelengths
- Other listed materials pass visible light as well as the near-IR

MidOpt Protective Filters are divided into two series:

### LP Series

- Glass substrates with tight control of parallelism and cosmetic surface quality
- Block UV while passing visible and near-IR wavelengths
- Spectrally neutral within the designated passband

### AC Series

- Economical acrylic solution for covering lighting and camera enclosures
- Available in 1-2 days in complex shapes and configurations

**Useful for:** indoor and outdoor applications; can be used in conjunction with existing glass covers

Part #	Description	Useful Range	Cut-on WL 50% T	Tolerance	Peak Transmission	Surface Quality
<b>LP SERIES – LONGPASS</b>						
LP285	High Transmission Heat Resistant VIS-NIR A/R Protective Window	385-1100nm	285nm	+/- 10nm	>98%	40/20
LP330	Protective Window	340-1100nm	330nm	+/- 10nm	90%	40/20
LP340	A/R Protective Window	390-800nm	340nm	+/- 10nm	95%	40/20
LP390	UV Absorbing Protective Window	420-1100nm	390nm	+/- 10nm	90%	40/20
LP415	UV Block	420-1100nm	415nm	+/- 10nm	95%	40/20
<b>AC SERIES – ACRYLIC LONGPASS</b>						
AC380	A/R Acrylic Protective Window	450-850nm	380nm	+/- 10nm	95%	40/20
AC685	Acrylic Near-IR Longpass	710-1100nm	685nm	+/- 10nm	90%	80/50
AC760	Acrylic Near-IR Longpass	780-1100nm	760nm	+/- 10nm	90%	80/50

*\*Due to continuous product improvement, specifications are subject to change without notice.*

## DEFINITION

Protective Filters typically act as windows or dust covers for lenses, filters, sensors, cameras or lighting. Usually they will block a portion of the UV spectrum, although those used in infrared applications will often also block visible wavelengths.