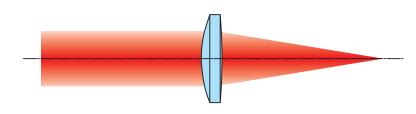
ME-Optics Selection Guide

The lens or a combination of these lenses found in this section will have limited applications compared with single spherical lens but very high performance can be achieved in a dedicated application.

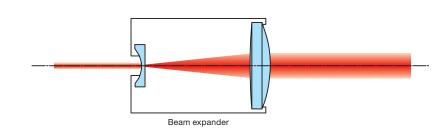
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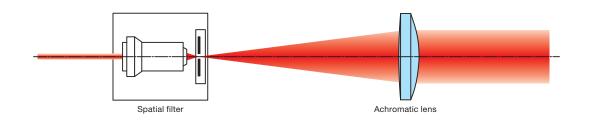
| Туре | Features | Applications |
|-----------------|---|---|
| Achromatic Lens | Chromatic and spherical aberration is minimized. Large line-up of focal length and aperture. | Focus ability in low power lasers. Imaging system for infinity object |
| Focusing Lens | High laser damage threshold Spot size is minimized and near to the diffraction limit. | Lens for various laser fabrication such as laser marking, cutting and welding. |
| Objective Lens | Highly corrected lens with high magnification Large numerical aperture produces minimum spot size. Fully usable throughout the visible wavelength spectrum. | Microscopic imaging for the visible, ultra-violet and near infrared wavelength spectrum. Focusing a laser beam into a minimal spot. Micro-fabrication for lasers. |



Beam Expanding

| Туре | Features | Applications |
|--|--|--|
| Beam Expander | Optimized design for minimum spherical aberration Integrated design with reduced size | Magnifying the laser aperture (for interferometer and projection) Reducing the focal spot size (by enlarging the incident laser beam diameter) |
| Spatial filter (objective lens) + Achromatic lens | Large choice of expansion ratios. Provides a high purified beam profile. | When using a very large collimated beam. When changing the beam aperture (with switching the achromatic lenses) |







Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

Motoeized Stages

Light Sources & Laser Safety

Index

Guide

Mirrors

Beamsplitters Polarizers

Lenses

Multi-Element Optics

Filters

Prisms

Substrates/Windows

Optical Data

Maintenance

Selection Guide

Achromats

Focusing Lenses

fθ Lenses Objectives

F.....

Expanders

Others