



## **OUR EXPERIENCE IN MOLDING PLASTIC OPTICS**

### **PRODUCTS**

#### ***Injection moulded plastic optics***

- *Lenses*
- *Prisms*
- *Windows*
- *Colour filters of different wavelengths*

### **APPLICATIONS**

- *Imaging and non imaging optics*
- *Sensing and detecting applications*
- *Band pass selection*
- *High and low pass filtering*
- *All applications requiring precision injection moulded plastic optics*

The knowledge achieved by Datasensor in several years of plastic optics manufacturing allows us to fully exploit all the advantages offered by plastic materials: low costs, light weight and versatility.

Our mission is to offer tailor-made products on customer request.

For your requests or just for an evaluation, please fill out the "**Plastic optics component on demand**" form on our website:

***[www.datasensoroptics.it](http://www.datasensoroptics.it)***



## Lenses

### Models

- Spherical and aspherical plano convex and biconvex lenses
- Spherical and aspherical plano concave and biconcave lenses
- Positive and negative spherical/aspherical meniscus
- Fresnel lenses
- Double lenses
- Array lenses

### Technical data

Size	All shapes available
Dimensions tolerance	Up to 0.1mm
Thickness tolerance	Up to $\pm 0.05$ mm
Material	Optical grade PMMA or polycarbonate
Cosmetic surface quality	According to Mil-0-13830-a or DIN 3140
Surface treatment	Anti-reflective and dielectric coatings



## Filters and Windows

### Models

- Filter for visible
- Filters for infrared
- Protection windows

### Technical Data

Size	According to customers requirements
Dimensional Tolerance	Up to 0.1mm
Flatness	Up to $5\lambda$
Material	Optical grade PMMA or polycarbonate
Cosmetic Surface Quality	According to MIL-0-13830-a or DIN 3140
Surface Treatment	Anti-reflective and dielectric coatings



## Prisms

### Models

- Right angle prisms
- Dove prisms
- Rhombic prisms
- Wedge prisms

### Technical data

Size	According to customers requirements
Dimensional Tolerance	Up to 0.1mm
Flatness	Up to $5\lambda$
Material	Optical grade PMMA or polycarbonate
Cosmetic Surface Quality	According to MIL-0-13830-a or DIN 3140
Surface Treatment	Anti-reflective and dielectric coatings

*Datasensor Optics endeavours to continuously improve and renew its products; for this reason the technical data and contents of this catalogue may undergo variations without prior notice. For correct installation and use Datasensor Optics can guarantee only the data indicated in the instruction manual supplied with the products.*