

15 - UV - Filters

Glasslite UV-filters are used to block the harmful effect of UV-rays. When the luminaire requires a filter glass, toughened float or Borosilicate glass is not sufficient.

High performance lamps not only produce visible light, but also aggressive ultra-violet radiation. The undesirable impacts of UV-rays are:

- Damage to the eyes and skin.
- Bleaching of colours, e.g. in textiles or artworks.
- Yellowing and brittleness of plastics.
- Attraction of insects.

Advantages of UV Filter Glass:

- **High transmission in the visible spectrum.**
- **High transmission in the near IR-spectrum.**
- **Low and only slightly fluctuating colouration.**
- **Low solarisation** (= loss of light transparency by UV-light).
- **Maximum service temperature 700-750°C.**
- **Thermal shock resistance up to 800°C.**

Owing to their UV-absorbing characteristics and very good price-performance ratio, Glasslite UV-filters are widely used as standard protection glass for many display lighting applications. The bleaching of the exhibits is considerably decreased, allowing longer periods of lighting.

Applications:

- Lighting of exhibits.
- Shop lighting.
- Artwork and galleries.
- High performance spotlights as the protective glass has a temperature resistance of up to 700°C.

- **Glass thickness:**
Standard stock 3mm.

Special thicknesses available 2, 4 and 5mm. Also in grooved spread lens and honeycomb structure pattern.

Note: These are an import item, surcharge, minimum quantities and lead times apply.

- **Processed in a wide variety of shapes and sizes** to meet specific requirements.



Photo courtesy of Zumtobel Lighting

Additional technical support information available on request.

