

SCHOTT® Automotive Exterior Lighting

Rigid Solutions



Product Characteristics

SCHOTT has specially designed its rigid light guides for automobile lighting applications. They are based on pure glass and fulfill all requirements outlined in the EU directive 2000/53/EC ("End of life vehicles").

Without specific cladding or sheathing the light guides make it possible to separate the light source spatially from the light output. Thus you can create high-performance illumination in difficult restricted spaces. In order to support this, the light guides can be shaped into 2- or 3-D geometry.

We are flexible – even with rigid lighting solutions

Rigid light guides made of glass can be shaped to meet your exact needs and fit into the spaces available – the perfect technology, especially when very little space for additional components is available inside headlights.

It's great to be a lighting partner who is capable of offering solutions that allow a great deal of design freedom, in addition to unique technological features.

Technical Specifications	
Type of glass	Borosilicate, according DIN EN ISO 3585
Chromaticity coordinate (NLQ A)	Controlled during the melt, @ Ø 8mm, 400 mm length within the coordinates: $0,440 \leq x \leq 0,470$ $0,399 \leq y \leq 0,423$
Chemical resistance	According ISO 3585 and ASTM E 438 Type I Class A
Diameter of light guide	Customized upon request, e.g. $\text{Ø } 8 \pm 0,25 \text{ mm}$
Transmission	Depending on geometry, typical example > 60% for 3D-geometry
Geometry	Complex 2D- and 3D-shapes possible, details to be discussed and tested

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