



SCHOTT
glass made of ideas

Automotive Lighting

Exterior and
interior applications



SCHOTT lighting applications

Esthetics and functionality: SCHOTT combines the best of both worlds.

Automotive exterior lighting

Light shifts existing boundaries – also on the outside! With our solutions for exterior lighting, our customers experience complete freedom of creativity. Our external SideLight creates outstanding light effects for contour or accent illumination. Our sleek fiber optic light guides, powered by an LED or Laser light source, guide light flexibly and distribute it evenly along the entire length. And allow you to create stunning effects.

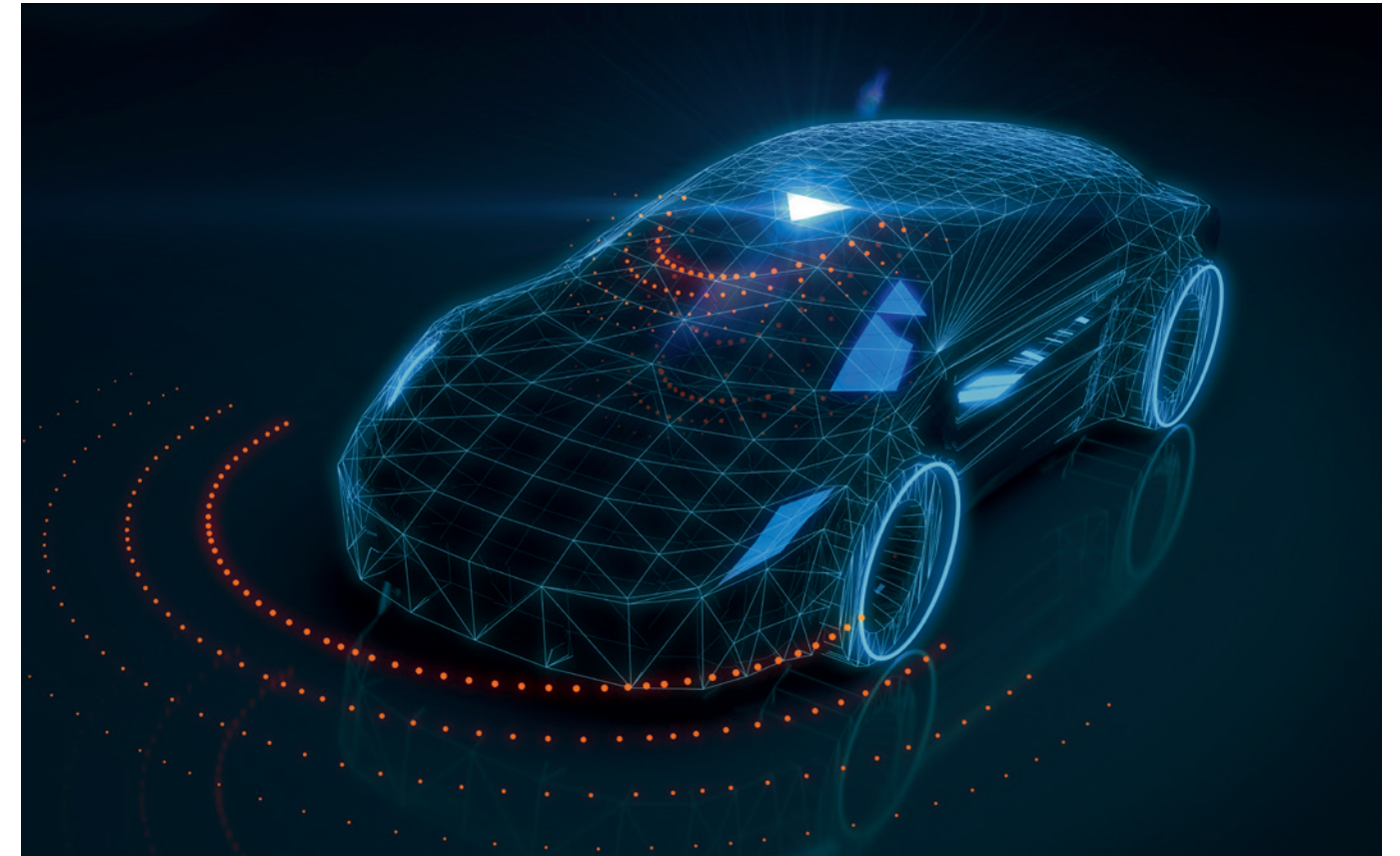


Automotive interior lighting

Light stimulates the senses! The interior of the future provides lighting designs for increased individualization, physiological well-being and functional car-to-passenger communication. To make the time you spend as safe and pleasant as possible, SCHOTT has developed a variety of lighting solutions that will turn driving into an on-board experience and enhance your brand recognition.



SCHOTT SideLight solutions illuminate, for instance, the exterior running board (top) or interior door and instrument panels (bottom) of international brands.



Let's shape the future of automotive illumination

Tomorrow's autonomous cars will present us with new challenges. The role of automotive lighting will undergo big changes. In the past, lighting was adapted to vehicles to assist drivers' perception and light their way. In the future, lighting will become an increasing means of communication and guide the car's interaction, while also driving user experience.

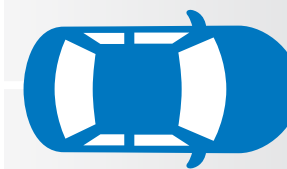
Future mobility: the advent of autonomous driving

Tomorrow's mobility concepts will present us with new challenges for interior and exterior lighting designs. The rise of intelligent car-to-x communication triggers the need for more sophisticated, customized automotive lighting. We at SCHOTT are your technology partner for innovative lighting solutions.

Evolving role of light

To date

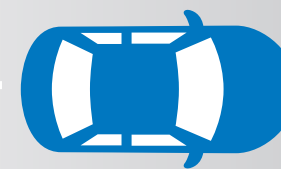
Car-to-driver



Functionality:
Passenger safety

On the rise:

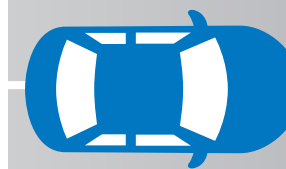
Car-to-user



Individualization:
User experience
Illuminated branding

Mid-term:

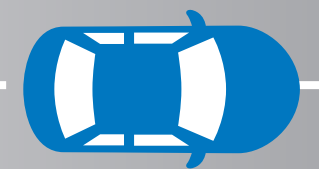
Car-to-environment



Intelligent communication:
Guiding car-human-
interaction

Long-term:

Car-to-car



Autonomous communication:
Leading communication in
(semi)-autonomous mobility

Semi-autonomous and autonomous vehicles



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The SCHOTT product range for automotive lighting

Proven reliability and highest design freedom for 50 millions vehicles to date

SCHOTT® SideLight solutions

SCHOTT SideLights emit light extremely homogeneously on the sides over the entire length. They are well-suited to be used directly or indirectly in the edges or to highlight contours. SCHOTT also offers light sources that combine the advantages of modern electronics and fiber optics.



The very slim SideLight is powered by a Laser light source.

SCHOTT® MultiLight harness

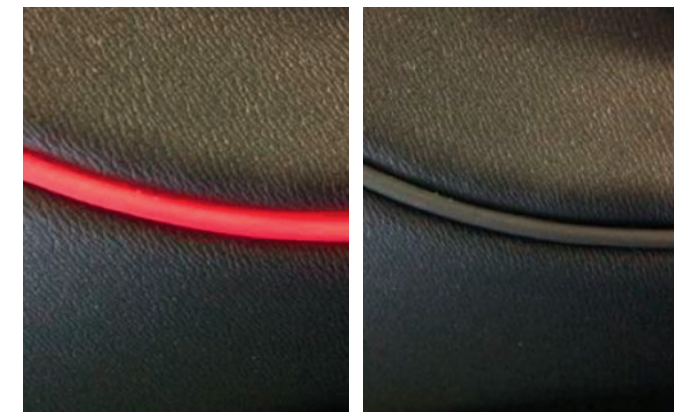
The SCHOTT MultiLight harness combines contour- and spotlights using only one light source. Contour and spotlighting can easily be adjusted to door panels and map pockets, creating an individual and comfortable atmosphere. Combine esthetics with functionality to accomplish your custom design.



Contour and spot lights in one product

SCHOTT® colored SideLight variant

The colored SideLight contour line is based on special colored sheathing for deliberate individual accents. It allows various day- and night-time designs, has richer, more contrasty colors due to the colored coating, and is highly adaptable to its design environment, an esthetic match for seat fabrics as well as plastic panels.



Black sheathing illuminated

Black sheathing not illuminated

SCHOTT® LuminaLine concept

In addition to extremely flexible SideLight variants, SCHOTT also offers rigid LuminaLine light guides made of a fiber-glass composite. The interior “soul” of the light guide shines with homogeneous, powerful light. The clad surrounding the soul is extremely strong and resistant to chemical substances as well as heat and moisture.



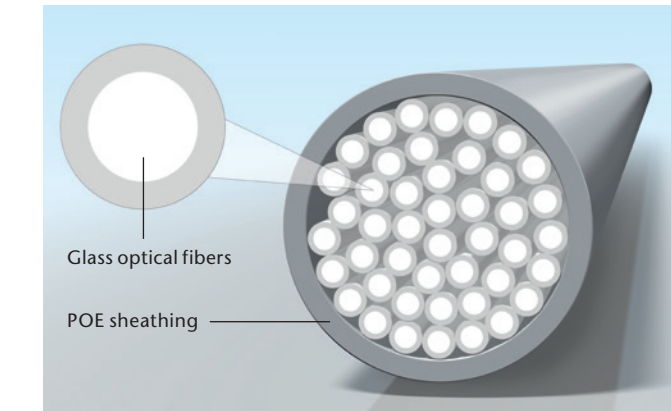
Award-winner: SCHOTT's LuminaLine concept

Enhance your illumination. Choose proven reliability.

Our patented SCHOTT® SideLight technology

Brilliance and flexibility for outstanding design

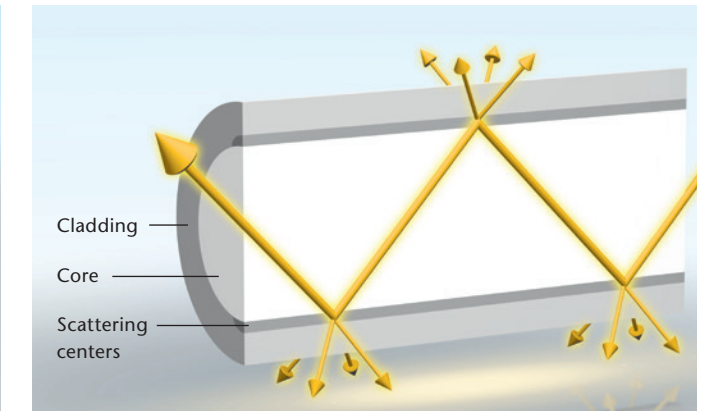
SCHOTT's ambient SideLight solution is based on a patented technology using glass fiber optics to master rough environments in automotive lighting applications. Thin and uniform lighting effects can be created even when available space is limited and requires curves and bends.



SCHOTT's SideLight solutions consist of a bundle of hair-thin glass optical fibers.

Qualified products and reliable technology

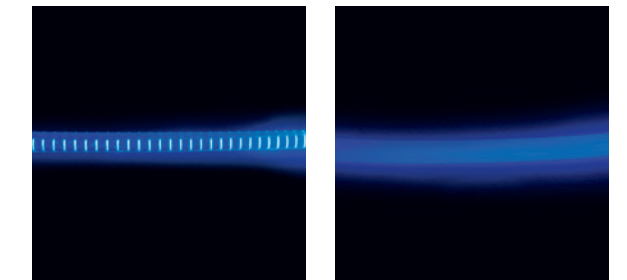
SCHOTT light guides are the only fiber optic technology on the market qualified for both exterior and interior lighting applications. Thanks to our patented SideLight technology, we are your partner to enhance brand distinction and to bring visibility to your innovations.



Tiny glass diffusion particles direct the light to the outside.

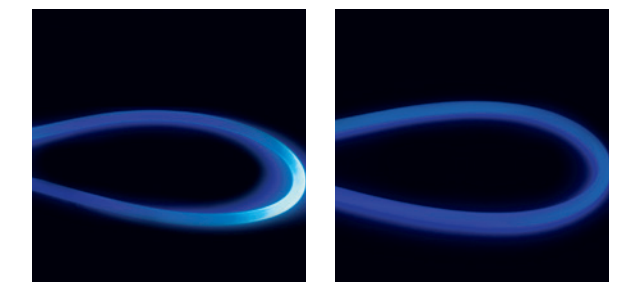
Aesthetic lighting with superior material characteristics

- 360° radial illumination**
 For direct and indirect illumination in seamless day- and night-time designs
- Outstanding bending radii**
 For tight curves without hot spots in yet undiscovered areas
- High color stability and homogeneity over length (up to 4 m)**
 Uniform lighting and brilliance for a premium ambience and long-lasting color stability
- Robust against environmental influences**
 Waterproof and robust against UV-light, chemical load and salt
- Integration and maintenance**
 Light guides can be compressed up to 15% for easy plug-n-play



Non-SCHOTT solution

SCHOTT SideLight solution



Non-SCHOTT solution

SCHOTT SideLight solution

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