

Worldwide Presence



Large Portfolio of Capabilities

Materials and Basic Processes

Glass development

Innovative melting

Proprietary glass portfolio

Design Capabilities

Mechanical

Optical

Electronics

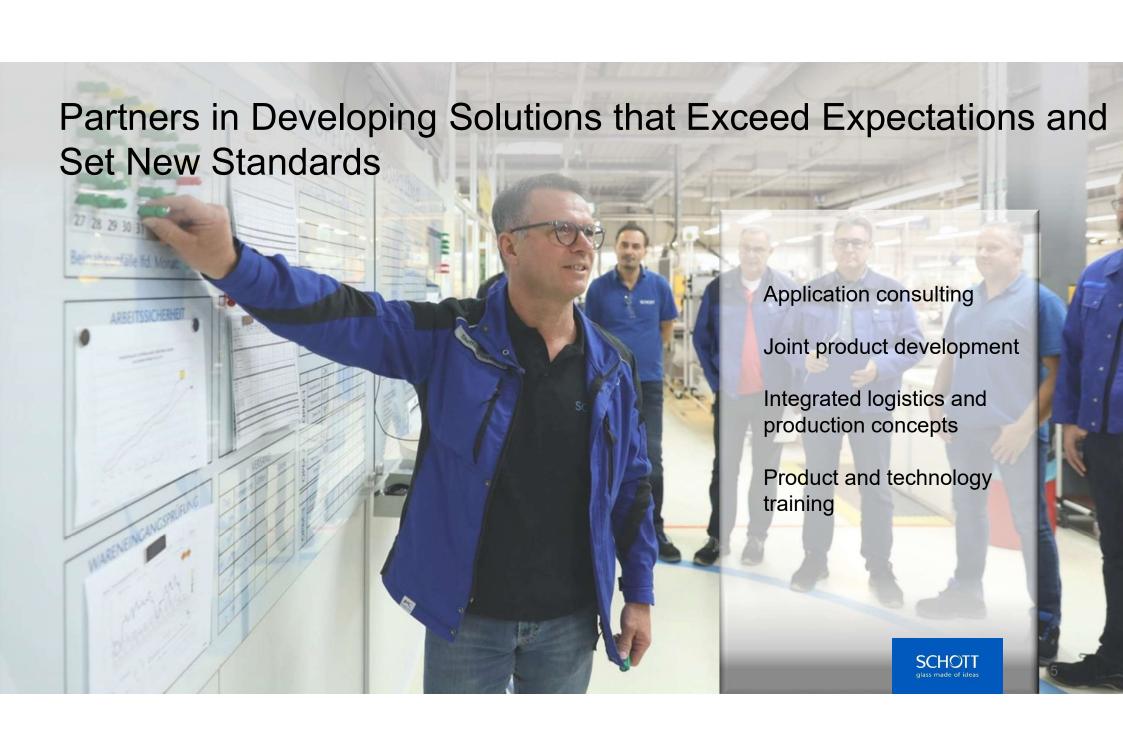
Thermal

Production Capabilities

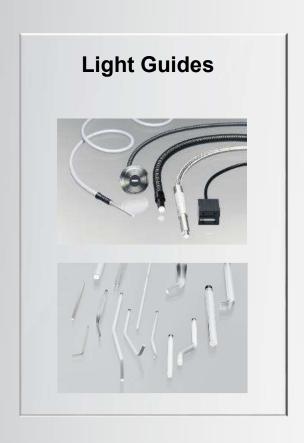
Fiber drawing

High-volume assembly

Optical component manufacturing



Product Portfolio: Light Guides, Image Guides, Light Sources

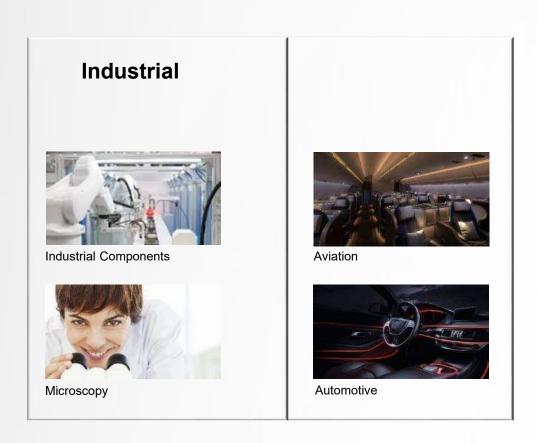


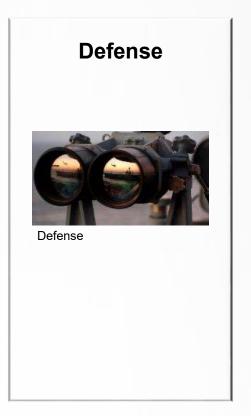




Serving Markets in Three Strategic Business Fields







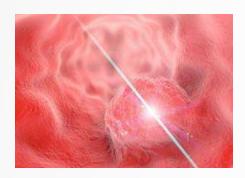
Passionate About Innovation

SCHOTT® SingleEZ* Family



Easy-to-handle illumination for single-use endoscopes

SCHOTT® Luminous Diffusers



Precise laser light radiation for medical treatments

SCHOTT® Jade Reading Light



Made from glass and operated via touch technology



Seeing More Improves Diagnosis and Treatment

Endoscopy & robotic surgery

Illumination for re-usable and single-use endoscopes, Imaging components

Dentistry

Illumination for handpieces and instruments

Laser treatment

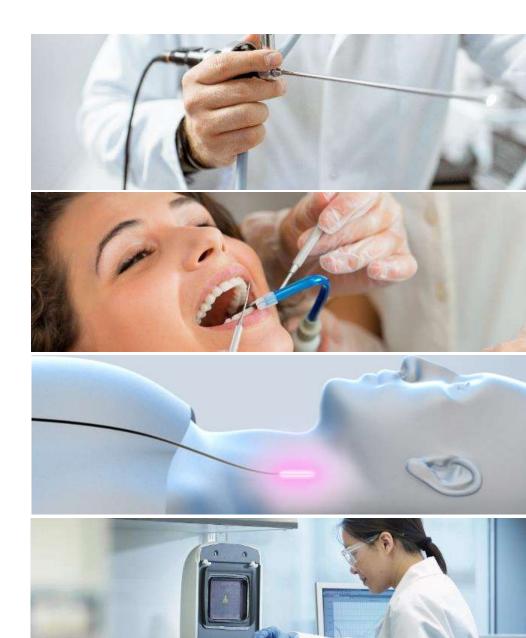
Laser-emitting diffusers for various medical treatments

In-vitro diagnostics

Multi-leg light guide subassemblies and light sources

Surgical microscopy

Lighting components



Flexible Light and Image Guides

PURAVIS® glass optical fibers

Superior optical performance and longevity

Flexible light guides

Customized design with high-volume manufacturing

Flexible image guides

4-µm fibers enable highest resolution images

Laser-emitting diffusers

Extremely homogenous laser light radiation



Rigid Light and Image Guides

Light guide rods

Individual design options: tapered, bent, multi-tapered/-bent

Fiber optic cones

Effective coupling of light

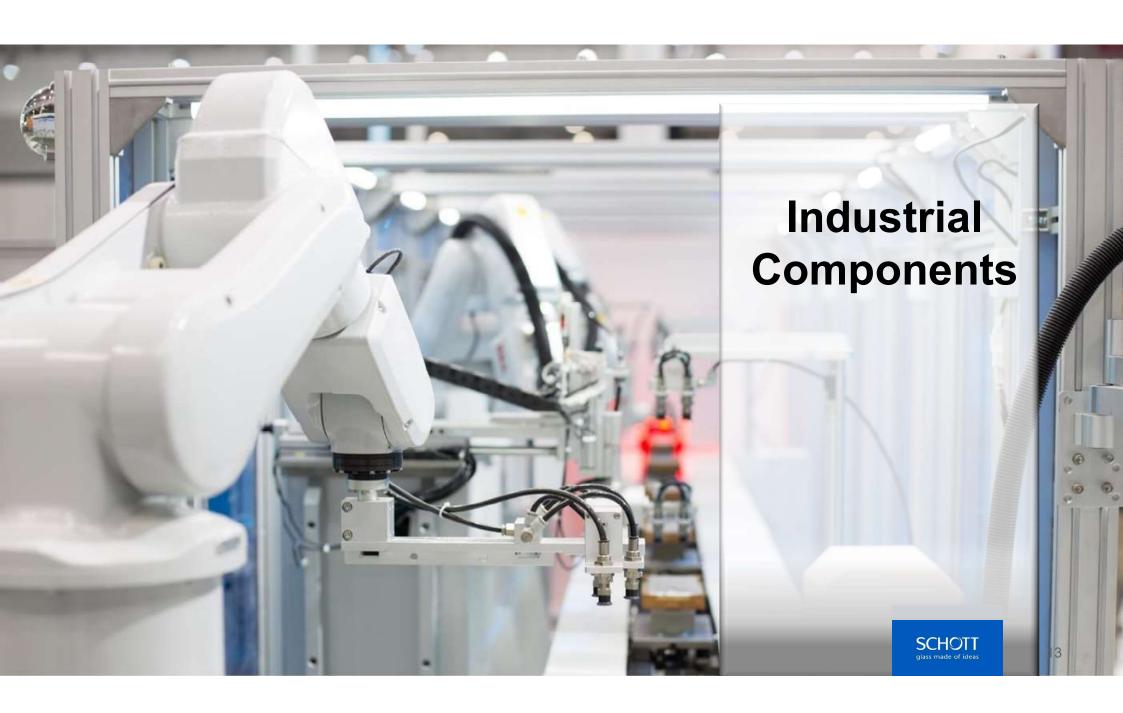
Tapers

Reduce or magnify images

Faceplates

High resolution, "zero-thickness" image transfer





Sensor, Metrology and Control Applications

Image transfer

Locations where cameras or electronics can't be mounted

Pyrometry

Infrared scanners and thermal imaging

High voltage direct current

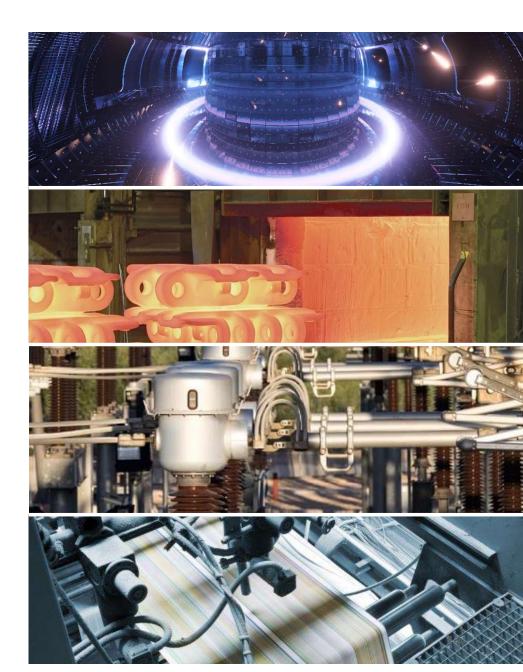
Transporting energy

Sensing and metrology

Highly accurate measurement in harsh environments

Spectroscopy

Food and chemical analysis as well as space exploration



Flexible and Rigid Components

Flexible imaging bundles

High-resolution image transfer

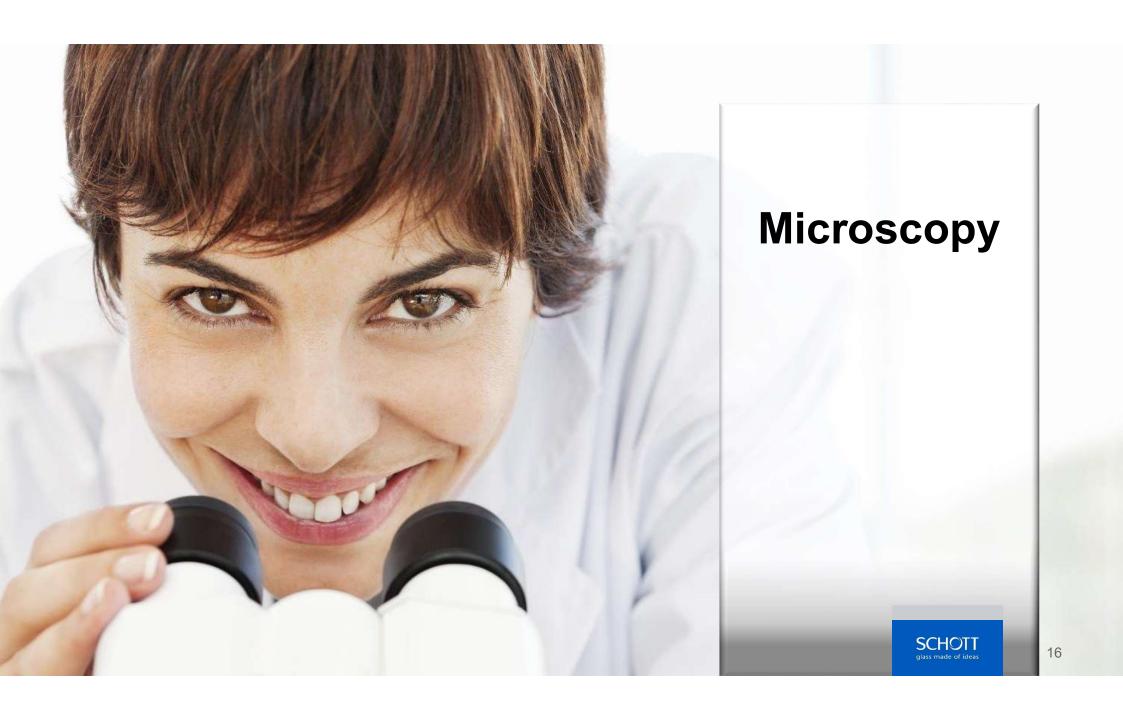
Flexible light guides

Highly heat resistant illumination for harsh environments

Broad range of glass types

Enabling infrared and near-infrared applications





Stereomicroscope Illumination

Laboratory & Diagnostics

Fluorescence-based applications; applications requiring natural color reproduction

Industrial Applications

Material science; industrial inspection

Education

Ideal for educational applications

Forensics

Help make hidden details visible







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Fiber Optic and LED Lighting Systems and Accessories

EasyLED Series

Professional direct LED illumination system

VisiLED Series

Advanced direct LED illumination series

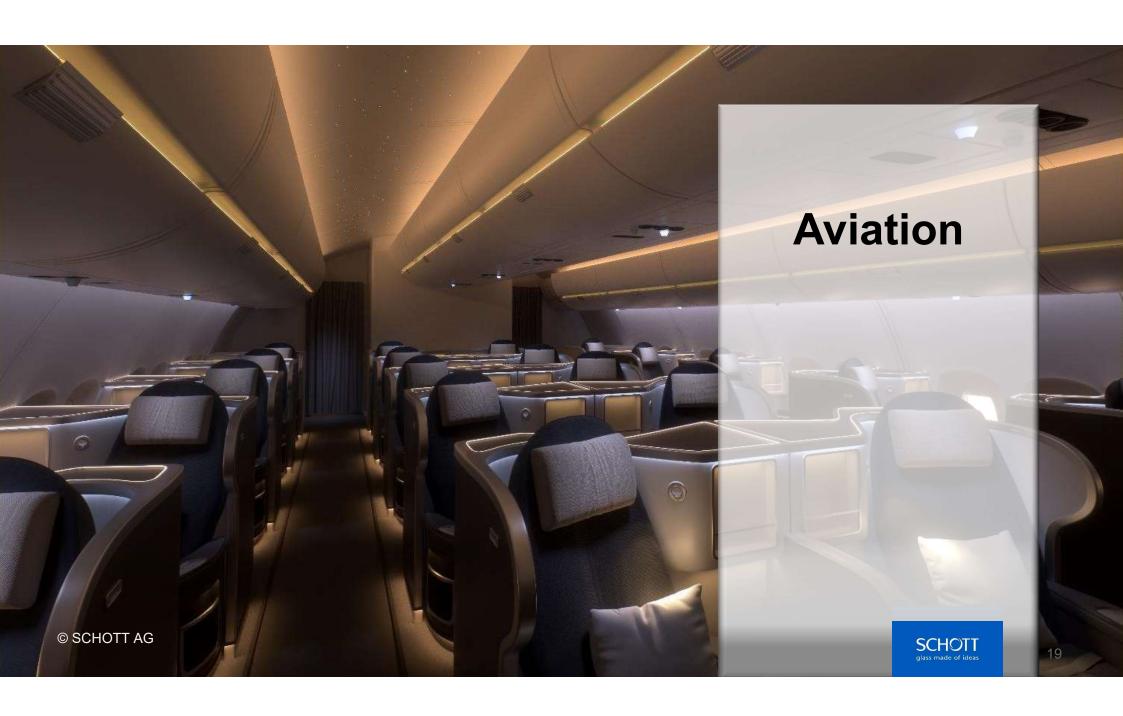
KL Series

Modular fiber optic lighting system

ColdVision Series

Fiber optic illumination for harsh environments





Perfect Lighting. Perfect Atmosphere.

Decorative Cabin illumination

Decorative light elements for cabin illumination concepts

Seat and Monument illumination

Connecting design and function in our integrated approach to seat and monument lighting





Decorative Cabin Illumination

SCHOTT® HelioFlex

Star ceiling and fiber optic spot illumination

SCHOTT® HelioLine

Side-emitting contour lighting for direct view

SCHOTT® HelioCurve LED Strip

Flexible contour lighting for indirect illumination





Seat Illumination

SCHOTT® Opal Reading Light

Compact elegant in-seat reading light

SCHOTT® Jade Reading Light

Smart in-seat reading light based on glass and touch technology

SCHOTT® Sapphire Design Concept

Modern compact in-seat reading light

SCHOTT® HelioLine Contour Light

Side-emitting fiber optic lighting for direct view

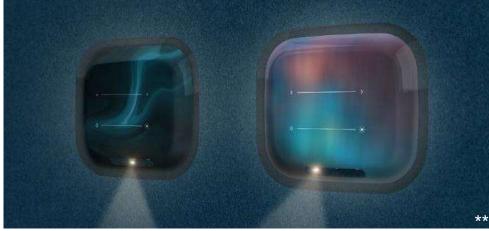
SCHOTT® HelioCurve LED Strip

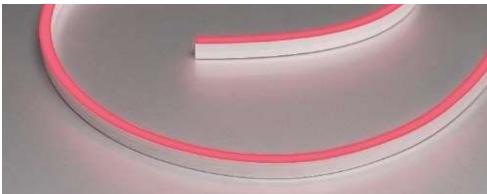
Flexible contour lighting for indirect illumination



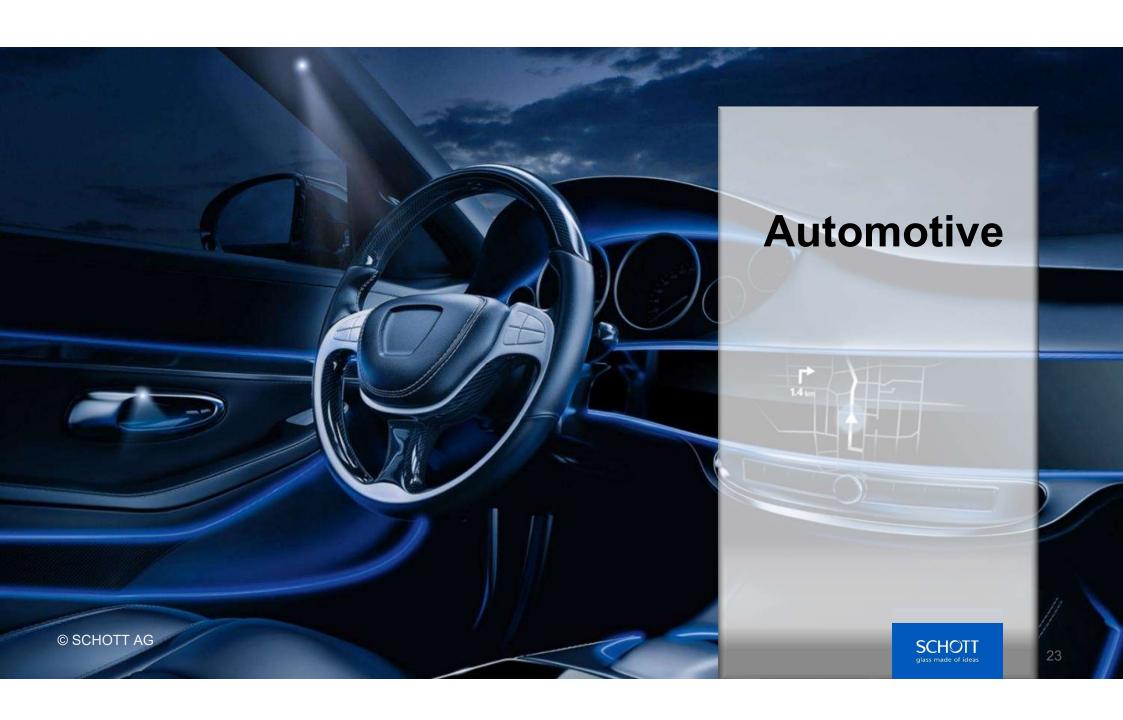
^{**} Jade designed by PriestmanGoode.







^{***} Sapphire designed by PriestmanGoode.



Light Facilitates Comfort and Security for Drivers

Exterior lighting

Sleek fiber optic light guides, powered by an LED or laser light source, for flexible and homogeneous illumination

Interior lighting

Ambient lighting solutions that turn driving into an on-board experience and enhance brand recognition





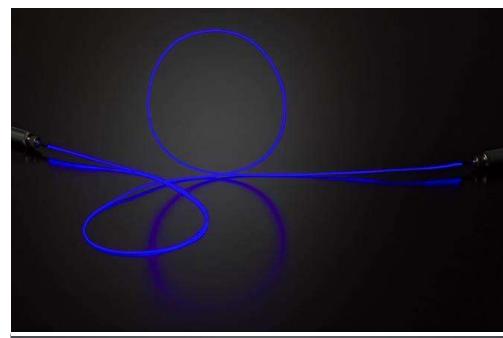
SideLight and MultiLight

SCHOTT® SideLight solutions

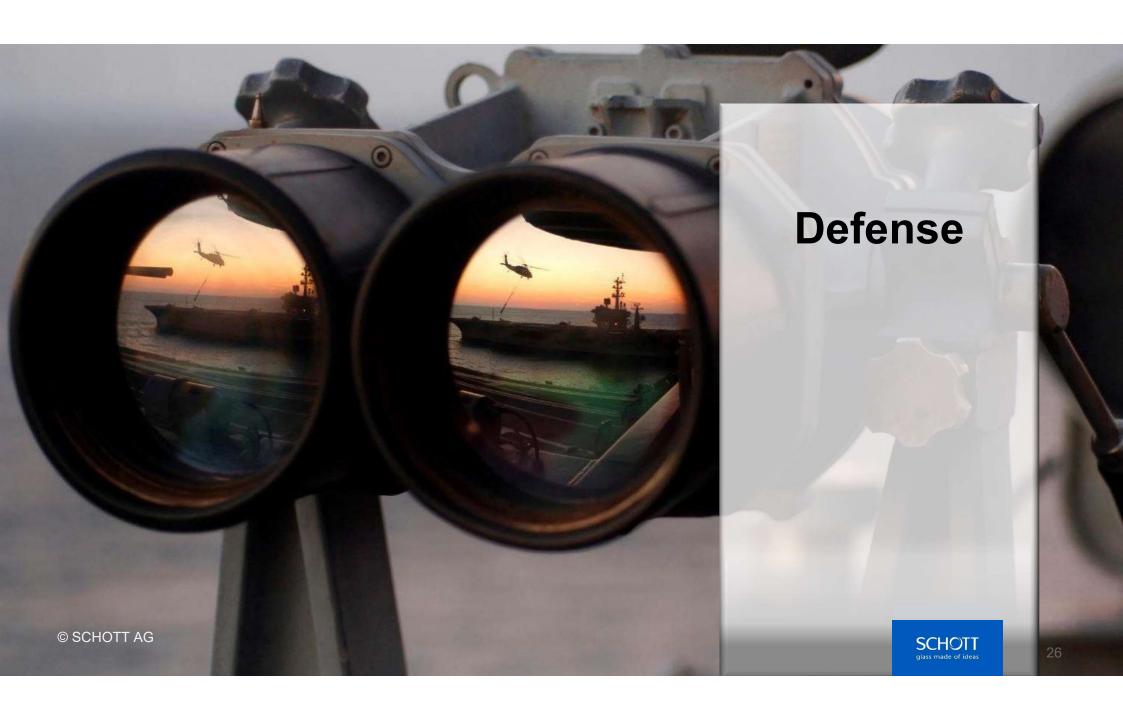
Patented technology using glass fiber optics to answer the high demand for automotive interior and exterior lighting applications

SCHOTT® MultiLight harness

Contour and spot lights using one light source can illuminate door panels and map pockets, creating an individual, comfortable atmosphere







Night Vision and Situational Awareness

Night Vision

Night vision systems and cameras, avionics packages, sensors and other technologies relying on fiber optic components

Situational Awareness

Situational awareness products containing both imaging components for aiming and observation as well as direct sensing components





Defense Components

Inverters

Turning inverted images back right side up

Straight Thrus

Transmitting a 1:1 image from its input to its output

Tapers

Magnifying or reducing an image

Fiber Optic Sighting Systems

Direct view auxiliary targeting sights

Image Bundles

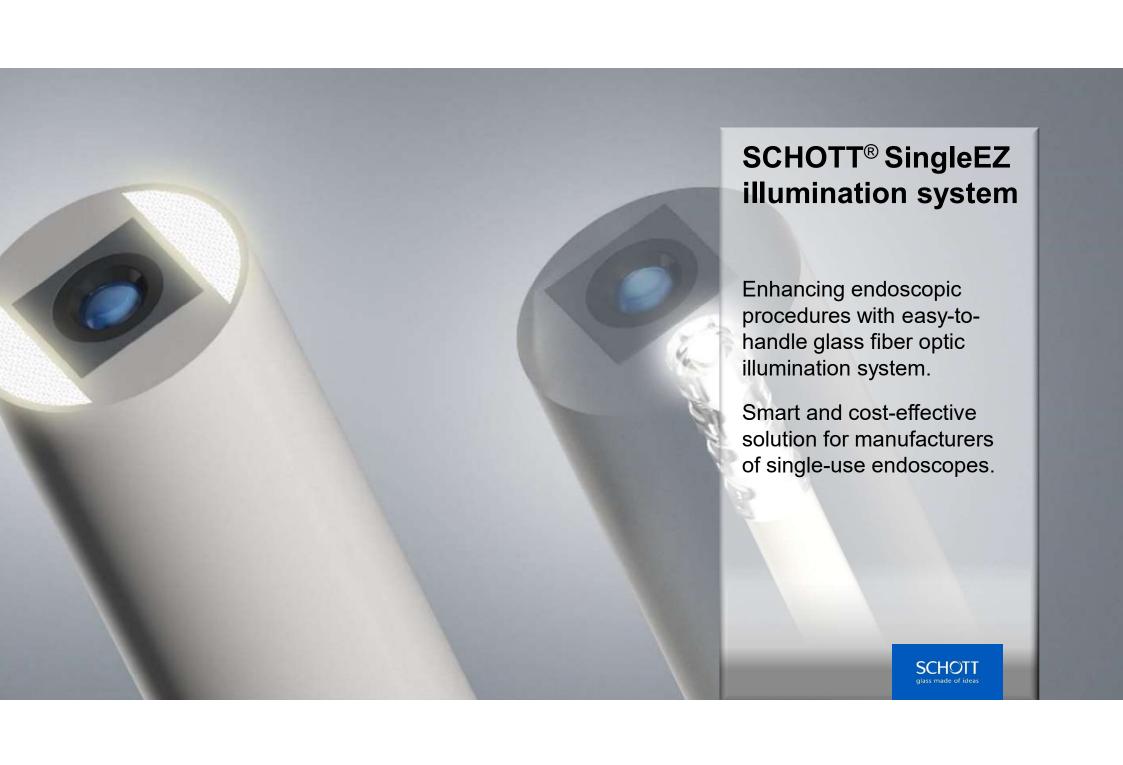
Transferring images from remote locations

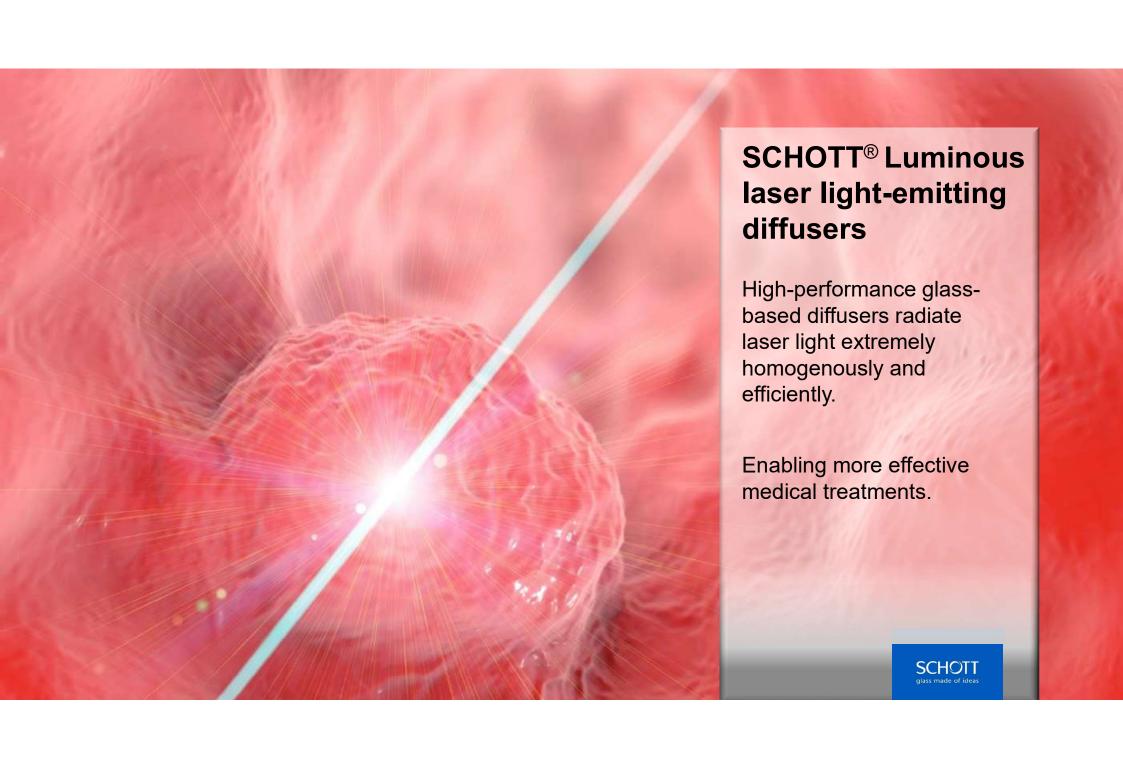


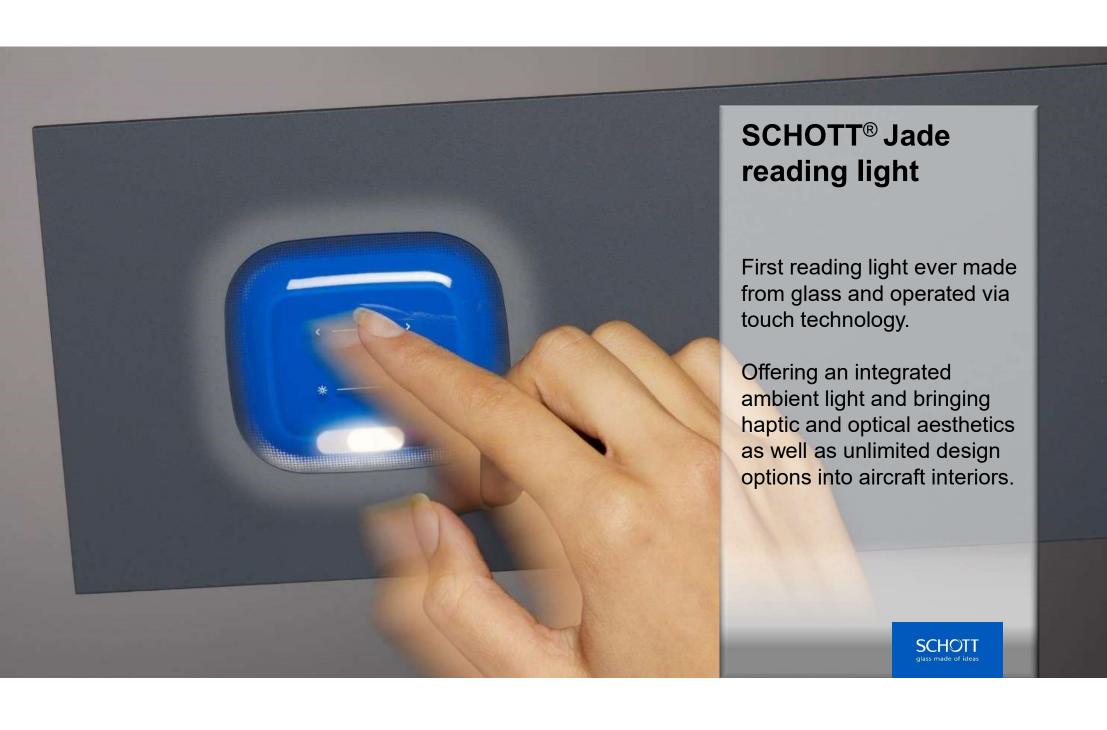


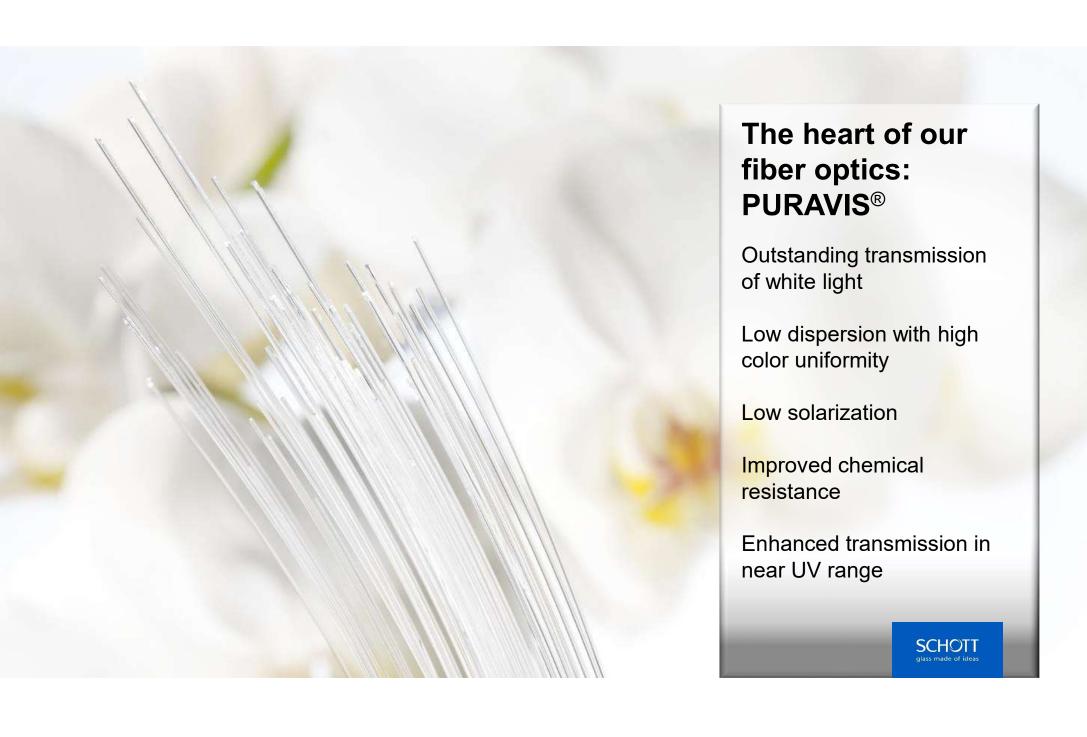
Back-up



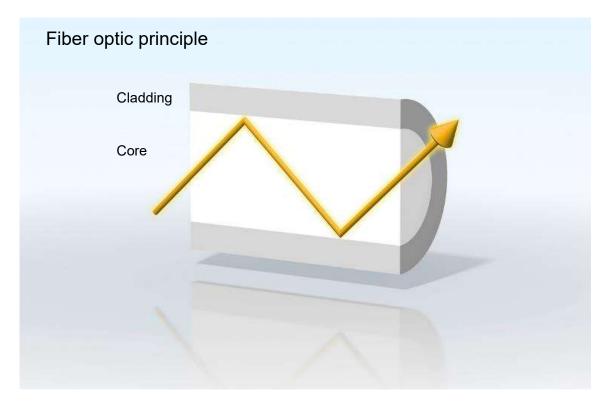


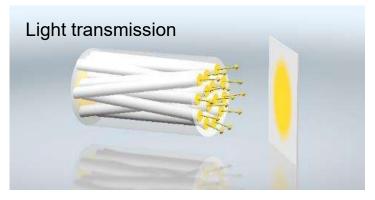


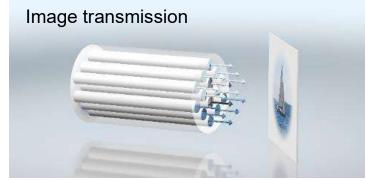




Glass optical fibers enable light and image transmission









Unique SideLight technology

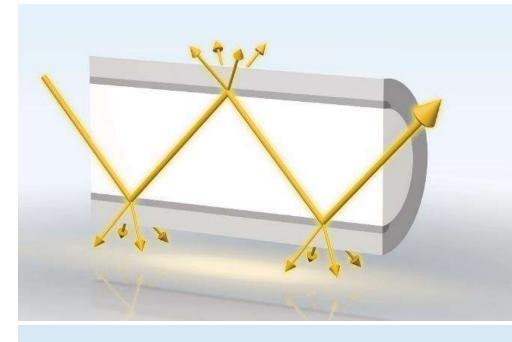
Flexible side-emitting light guides

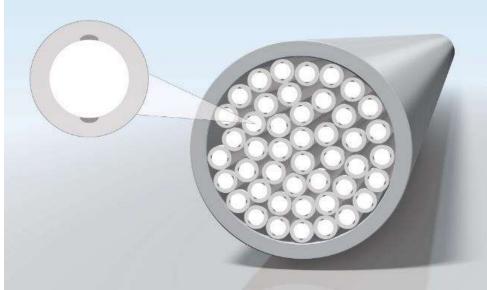
High aesthetic appeal

Very homogenous light distribution

Design flexibility; small bending radius

Easy to install





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