



SCHOTT
glass made of ideas

SCHOTT HelioJet®

Ultimate Cabin Illumination

SCHOTT is a leading international technology group in the areas of specialty glass and glass-ceramics. With more than 130 years of outstanding development, materials and technology expertise we offer a broad portfolio of high-quality products and intelligent solutions that contribute to our customers' success.

SCHOTT has been active in Aviation since the 1990s, offering a wide variety of customizable solutions for cabin and seat illumination. By combining fiber optic and LED technology, we enable fascinating lighting solutions in aircraft cabins that provide passengers with an unrivalled onboard experience.



Wash and Ceiling Lights



SCHOTT HelioJet® Cabin Lighting System

Perfect lighting creates perfect atmospheres: At SCHOTT Aviation we aim to create light scenes that present striking moments. As with nature, we not only provide light for the sake of beauty, we enable airlines and passengers to experience the right setting both during day and night while on board.

We are the only cabin lighting specialist to follow a holistic approach, orchestrating different light elements into one cabin lighting scenario. Our products offer unique possibilities thanks to the combination of fiber optic and LED technology.



SCHOTT HelioJet® – Ultimate LED Cabin Illumination

Lighting has become an essential factor in cabin interior designs. Light decisively influences passenger well-being while enabling airlines to enhance their onboard brand recognition.

That is why we introduced the SCHOTT HelioJet® Spectrum^{CC} illumination system for aircraft cabins. Our cabin lighting solution provides functional and full color light for wash and ceiling light applications.

Our unique product layout matches with the peculiarity of human perception. A sensor secures utmost homogeneous light output and color stability for 16.7 million color shades. Different from conventional LED cabin lighting systems HelioJet® technology feeds LED light into an optical light converter that evenly distributes light over the entire length. A color sensor constantly controls the colors of the LEDs and thus also does away with obsolescence.

HelioJet® cabin lighting is designed for use in linefit and retrofit projects. Compatible with a range of airline fleet aircraft, including the Airbus A320, A330/340, A350 and A380, and the Boeing B737, B747, B777 and B787, the platforms can also be comfortably accommodated by all major models of business jets.

The SCHOTT HelioJet® system works with all major cabin management systems. For Scandinavian Airlines it has been customized to work with the NICE® cabin management system by Lufthansa Technik. Flying since 2015, our HelioJet® technology has achieved more than one million operating hours based on real flight data (MTBF).



Perfect illumination with with the SCHOTT HelioJet® System

SCHOTT and Lufthansa Technik have successfully been working together to bring a brighter future to cabin interiors.

The collaboration covers the entire process chain of cabin lighting, ranging from the design of lighting to manufacturing, installation, and certification, as well as service. SCHOTT's competitive edge is technological expertise in the fields of fiber optics and LED illumination. Lufthansa Technik concentrates on the area of lighting control, certification, and validation and provides installation, maintenance, repair, and overhaul services.

HelioJet® Cabin Lighting System: Reliable and proven

“SCHOTT's HelioJet® cabin lighting has been flying in our A330/340 fleet since 2015, which corresponds to more than one million hours (MTBF/mean time between failure).

The performance of the system is outstanding: perfect lighting scenarios with absolutely stable colors for our passengers, a reliable control system that is easy-to-use for our crew, and no technical failure or replacements to date.”

*Per Tidéus | May 2019, Scandinavian Airlines,
Product Manager Aircraft Interior & Equipment*



SCHOTT

in cooperation with



Lufthansa Technik



The optical light converter emits light homogeneously over its entire length.



Unlimited possibilities for mood lighting, corporate color and endless scenes

Your advantages

Endless ambient lighting effects

favorites include inspiring sunrise, calming sunset or stunning Northern lights

Chrono-biological scenarios

especially designed for a perfect reproduction of chrono-biological color scenarios

Very homogeneous light distribution

and constant high light stability

Very smooth light transitions

within one lighting unit are possible

Excellent color stability

The color sensor compensates temperature differences and aging effects especially when replacing old LEDs with new ones (obsolescence)

Ultimate low total cost of ownership

Due to significantly higher mean time between failure (MTBF); resulting in fewer replacements and less maintenance

Easy installation

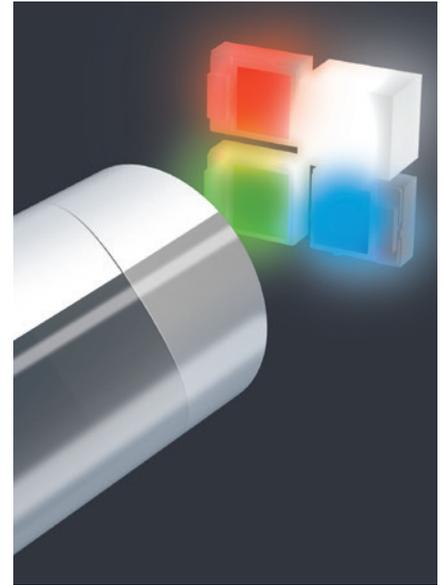
flexible position for the power supply underneath the lamp and easy clip-in system

Scenario synchronization

with all SCHOTT® Helioline products illuminated by the HeliIntense Spectrum^{CC} light source



The unique color control ensures perfectly accurate colors.



Only two LED clusters at each end of the optical converter

Technical features

Only two multi-color LED clusters per 18 inch rod

The LED chips feed light into both ends of the optical light converter.

Very homogeneous light output/no light dots

The light converter evenly distributes light over the entire length.

Full color LED light

The HelioJet® Spectrum^{CC} system offers 16.7 million colors.

Very stable performance/no color drift

The sensors constantly check the light to provide fully balanced output.

Easy exchange of single lights without performance loss

Whether young or old, all LEDs within the system are matched by the sensors.

Proven reliability

MTBF of more than one million operating hours based on real flight data



EASA approved STC for installation of HelioJet® White in A319-A321

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