



Human Centric Lighting

More comfort, less jet lag

A carefully planned cabin lighting scenario is an important factor in improving the well-being of passengers on board. With its Human Centric Lighting approach, Lufthansa Technik enables airlines to create natural light scenarios during long-distance flights, and to measurably reduce jet lag.

Light not only enables us to see. It also strongly affects how we feel. Naturally, this applies to cabin interiors as well as to any other environment. Passengers' internal clocks typically get confused, especially when flying through multiple time zones. This results in jet lag, reduced concentration, and lower energy levels. Human Centric Lighting provides the right type of light at the right time of the day. By allowing the lighting solution to imitate the natural course of daylight, airlines enable travelers and crew to reach their destination in a more relaxed and balanced way.

Benefits

Proven reduction in jet lag and headaches

New level of customer satisfaction

Lighting-Pilot requires zero intervention by crew

Unrivalled durability

Easy exchange of single lights

Low maintenance costs of the hardware solution

Key facts

Full color LED installation

Homogenous light distribution

Unlimited lighting scenarios

Compatible with all major cabin management systems (e.g. »nice«)

Suitable for all aircraft types

Supports the "Identical Color Philosophy" of all SCHOTT cabin lighting products

In cooperation with

SCHOTT
glass made of ideas

jetlite



Lufthansa Technik

SCHOTT HelioJet®

LED cabin lighting with outstanding performance, homogeneous light distribution, and excellent color stability.

jetlite

The world's first holistic and scientifically proven solution to reduce jet lag and increase passenger well-being through cabin lighting.

Lufthansa Technik

Internationally approved integration, certification, and validation in the area of lighting control and system integration.



Brighten up your cabin experience

Our Human Centric Lighting approach is based on an LED wash and ceiling light system, designed for use in linefit and retrofit projects. The full color system uses the unrivalled HelioJet® technology from our partner SCHOTT, which continuously ensures homogeneous illumination and constant light stability. This flicker-free and authentic light distribution results in significantly fewer headaches and increased well-being among passengers and crew. HelioJet® works with just two diodes, which feed the light from both ends into an optical light converter. The technology offers a long service life and thus low maintenance costs: The mean time between failure (MTBF) is calculated at >100,000 OH and proven at >1,000,000 OH.

Innovation through cooperation

It combines SCHOTT's reliable HelioJet® LED system with the first scientifically proven solution to reduce jet lag from the jetlite company, while Lufthansa Technik brings its unique experience in integrating new products into all major aircraft types. The result is an alliance for greater passenger

comfort that covers the entire process chain for airlines from design to delivery, manufacturing, installation to certification, and service.

For a »nice« time on board

Awaken a new dimension in lighting performance and let the crew focus on safety and customer satisfaction: with the optional »nice« lighting control system from Lufthansa Technik. The Lighting-Pilot technology calculates the optimum illumination sequence for any flight route from an unlimited set of scenarios without any need for crew intervention. In addition, special audio-visual lighting choreographies can support flight events such as safety briefings, wake-ups or boarding. The entire system can be controlled via a crew tablet or smartphone. The "Identical Color Philosophy" of all SCHOTT Helio cabin and ambient lighting products is fully supported so that the in-seat mood light is perfectly synchronized in color and appearance with the cabin light scenario.

Contact us to discuss individual solutions for you and your route mappings.

Contact

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