

SCHOTT® HelioFlex

Highly flexible fiber optic cables for Spot Lights and Star Ceiling



Mood Lighting with SCHOTT® HelioFlex



Functional Lighting with SCHOTT® HelioFlex

Product Benefits

One light source in combination with SCHOTT® HelioFlex can create various numbers of spots

Electrically safe for worry-free performance

Excellent flexibility due to a multi-fiber construction

Reduced life cycle costs due to low maintenance (extremely high MTBF)

Integration in areas with limited space

No EMI, heat or humidity issues at light-output

Product Characteristics

Through the technical approach of having light guides and light sources separated, customized illumination can be created even if the space is limited. With SCHOTT® HelioFlex the critical parts are already qualified by major aircraft manufacturers.

The system stands for very high flexibility and can either create mood lighting or functional illumination. One LED light source can cover several applications in the cabin, a monument or on the seat. The visible part of the light spot can easily be customized to meet the overall seat and cabin design.

Furthermore, this system significantly reduces maintenance costs as the light is built up in modules that can be replaced apart from each other. Thus you never have to replace the complete light.

SCHOTT® HelioFlex is compliant with FAR 25-853, ABD0031 regarding flammability, smoke and toxicity.

Technical Specifications			
Outer cable diameter	2,0 +/- 0,2 mm	4,5 +/- 0,2 mm	5,6 mm +/- 0,3 mm
Active bundle diameter	1,0 mm	2,5 mm	4,5 mm
Fiber diameter	50 µm	70 µm	70 µm
Minimum bending radius	4 mm	15 mm	25 mm
Recommended max. length	3 m	5 m	5 m
Typical weight /m	5,5 g / m	40 g / m	55 g / m
Sheathing	Glass braid with silicone coating	Silicon	Glass braid with silicone coating
Cable color	Black	Black	Black



SCHOTT® HelioFlex for Star Ceiling application

Recommended Applications
Functional light e.g. for reading, mood lighting or stowage lighting in panels or various monuments and seats
Mood lighting for various applications within the cabin



SCHOTT® HelioFlex with LED light source
SCHOTT® HelioBasic II

Associated Products
LED light source SCHOTT® HelioBasic II
LED light source SCHOTT® HelioIntense
LED light source SCHOTT® HelioIntense Spectrum ^{CC}
LED light source SCHOTT® HelioPower