# SCHOTT HelioFlex

## Highly flexible fiber optic cables for spotlight applications

### Product Characteristics

The SCHOTT fiber optic solution overcomes the space and heat problem by placing a light engine on a spot where there is sufficient space and heat can circulate freely. From this point, we incorporate the SCHOTT Helio Flex light guide within the panel structure and install a light outlet at the required point. The angle of the light output can be designed flexible.

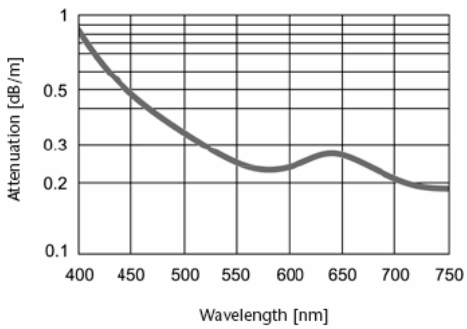
The greatest advantage of such a system is the pure mechanical attributes with no electrical wiring to the panel. SCHOTT Helio Flex is compliant with FAR 25-853, ABD0031 regarding flamability, smoke and toxidity.

### Product Technology

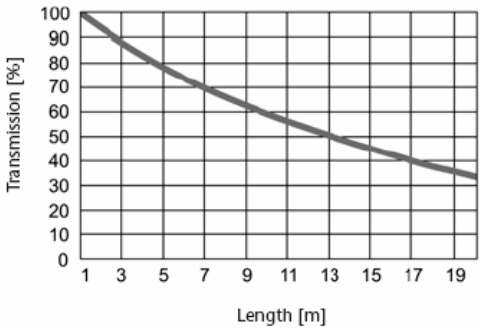
Glass fiber bundles for light transmission, which are embedded in a glass fiber braid, certified for Airbus platform including A-380.

| Technical Specifications | | |
|---|---|---|
| | Application Star Ceiling | Application Spot Light |
| Fiber diameter | 53 µm | 70 µm |
| Active bundle diameter | 1,0 mm | 4,5 mm |
| Outer cable diameter | 2 ± 0,2 mm | 5,6 ± 0,3 mm |
| Minimum bending radius | 4 mm | 20 mm |
| Cable colour | black | black |
| Max. length | 5 m | 5 m |
| Typical weight/m | 5,5 g/m | 55 g/m |

Absorbtion of light, per meter of fiber, versus wavelength




The transmission of light versus tail length




| Product Advantages |
|---|
| Excellent colour characteristics and light transmission |
| Electrical safety for worry-free performance |
| Excellent flexibility due to a multi-fiber construction |
| Unrivalled lifetime |
| Factory-terminated common end for superior quality, performance and longevity |

| Associated Products |
|---|
| LED Light Sources SCHOTT HelioBasic and SCHOTT HelioControl |
| Fittings in different shapes → SCHOTT HelioSpot |

| Recommended Applications |
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| Starry sky |
| Spot lights in panels or various monuments and seats (SCHOTT HelioSpot) |

## For more information please contact:

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