

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 flammability, smoke and toxicity.

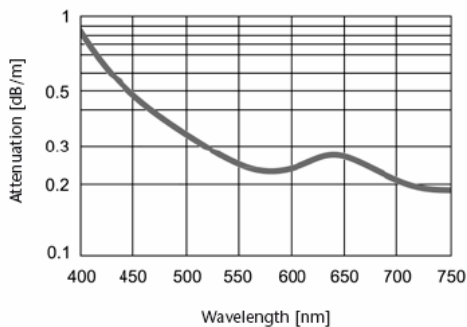
Product Technology

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

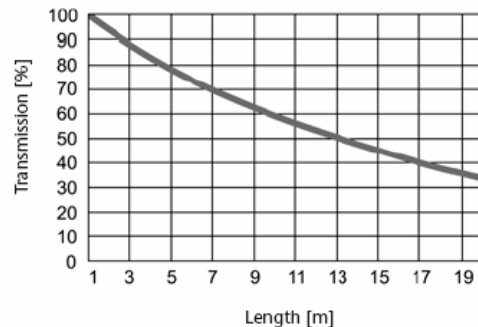
Technical Specifications

	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 color	black	black
Max. length	5 m	5 m
Typical weight/m	5,5 g/m	55 g/m

Absorption 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

Starry sky

Spot lights in panels or various monuments and seats (SCHOTT® HelioSpot)

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