FOL-80-F FIBER OPTIC LIGHTING

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ETS-Lindgren's Model FOL-80-F2 Fiber Optic Light System is a practical, cost effective RF surpressed lighting solution for illuminating the interior of anechoic chambers with cool, white LED light. The system is a logical choice for installing in new chambers, or retrofitting existing chambers that have older, RF-emitting metal halide bulbs. The benefits of the FOL-80-F2 shieldied lights system include minimized chamber penetrations, removal of potential EMI sources (EMI shileding), reduced maintenance, and better light distribution in the chamber.

The system's electrically powered light source is mounted externally, and transmits light into the chamber with low side-loss fiber optic cable. This method eliminates compromising the integrity of the test environment from EMI sources such as AC current, ballast, or arcing bulb elements.

Each model FOL-80-F2 system is a single source fiber with a R.F. rating of 10 GHz and each FOL-80-F illuminates 1 fiber optic source. Each fiber optic bundle entering the chamber is terminated with a non-reflective fused finish that provides a 60° light spread.

Key Features

- Provides Cool White Light
- Eliminates a Source of RF Noise
- Reduces Maintenance Cost
- A Complete Integrated Solution
- Replaces Older Metal Halide Bulbs

Specifications

Electrical Specifications

Ballast: Thermally Protected Electronics
Lamp: 82 Watt LED
Power: 107 Watts Total Power Consumption
Ratings: IP23
Ventilation: 50 CFM Fan Cooled
Acoustical Noise dB(A): 25
Average Life: 50,000 Hours
Color Temperature: 5000 Kelvin
Color Rendering Index: 70
Standards: CE

Other Specifications

- Externally Mounted Light Source