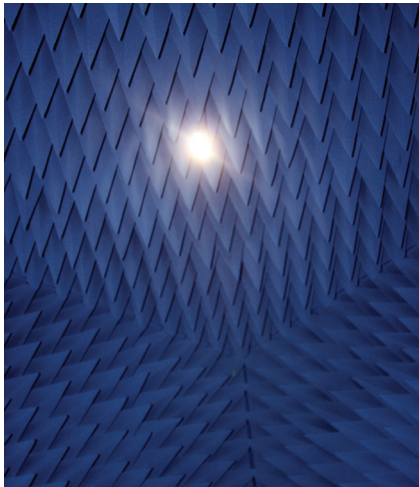


# ANECHOIC CHAMBER LIGHTING FIBER OPTIC LIGHTING



**ETS-Lindgren's Model FOL-80-F Fiber Optic Light System** is a practical, cost effective solution for illuminating the interior of anechoic chambers with cool white 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-F system include minimized chamber penetrations, removal of potential EMI sources, 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-F Fiber Optic Light System is a single source fiber with an RF rating of 10 GHz, and 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.

## MODEL FOL-80-F

- Provides Cool White Light
- Eliminates a Source of RF Noise
- Longer Life than Metal Halide
- High Lumen Maintenance Over Time
- Reduced Maintenance Cost
- Replaces Older Metal Halide Bulbs
- A Complete Integrated Solution

## Applications

- New Anechoic Test Chambers
- Existing Anechoic Test Chambers

## Standard Configuration

- Externally Mounted Light Source, 115 VAC (Switch Selectable to 230 VAC)

## Technical Specifications

### Electrical

Power	109.6 Watts Total Power Consumption
Ballast	Thermally Protected Electronics
Ventilation	71 CFM Fan Cooled
Lamp	82 Watt LED
Average Life	50,000 Hours
Color Temperature	5000 Kelvin
Color Rendering Index	70
Fiber Lumens	540 Lumens Measured at 35' Distance
Ratings	IP23
Standards	CE

### EU Directive Compliance

Low Voltage Directive	2006/95/SEC
Electromagnetic Compatibility Directive	2004/108/EC

### EU Harmonized Compliance

EU Harmonized Standards	EN 62031:2008
	EN 61547:2009
	EN 55015:2006+A2:2009
	EN 62471:2006



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