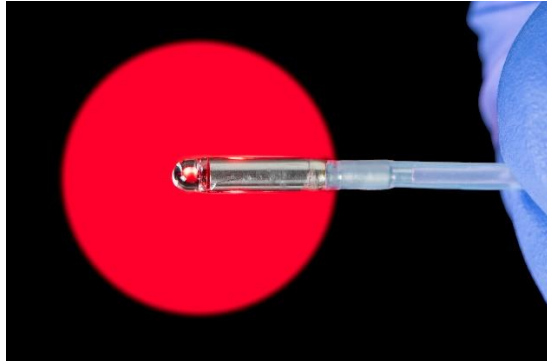
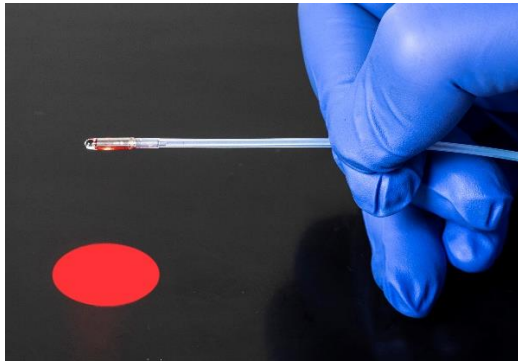


Side Firing Light Distributor Model FD1-SF2



DESCRIPTION

The Side Firing Light Distributor model FD1-SF2 produces a circular spot of light, with sharp edges and an outstanding homogeneity. These properties make it the ideal device for precise irradiation of a variety of organs treated with photodynamic therapy (PDT).

Its particularly wide aperture angle is very useful when there is little space to irradiate the tumour. This is often the case when performing PDT endoscopically, for instance for treating oesophageal wall. The small overall diameter of 2.5 mm allows endoscopic use through the working channel of a standard 2.8 mm endoscope. The Side Firing Light Distributor works only with light between 650 nm and 720 nm (for other wavelengths, please contact our sales representative).

The diffuser is supplied sterile in peel-open package and is intended for single use only. Dispose of as biohazard with other medical waste.

TECHNICAL DATA
(subject to change without notice)

MECHANICAL DIMENSIONS (APPROXIMATE)	FD1-SF
OVERALL LENGTH	4 m
DISTAL LENGTH	1.4 m
DISTAL OVERALL DIAMETER	< 2.55 mm
OPTICAL CHARACTERISTICS	
WORKING WAVELENGTHS	650 & 720 nm
TRANSMISSION (*)	> 80 %
FULL ANGLE OF DIVERGENCE	34.9°
BEAM DIAMETER	
at 7.4 mm DISTANCE*	5 mm
at 15.7 mm DISTANCE*	10 mm
at 31.6 mm DISTANCE*	20 mm
at 47.5 mm DISTANCE*	30 mm
at 60.2 mm DISTANCE*	38 mm
(*Reference: device axis)	
UNIFORMITY	± 15%
MAXIMUM POWER (calibrated fiber output)	2 W (cw)
OPTICAL FIBER	
FIBER MATERIAL	SILICA, low OH ⁻
CORE DIAMETER	600 μm
NUMERICAL APERTURE	0.37
MINIMUM BENDING RADIUS	94 mm
FIBER CONNECTOR	SMA905
CONDITIONING	
PACKAGING	DOUBLE POUCH INDIVIDUAL BOX
STERILIZATION	STERILE / EtO
USEFUL LIFE	
RESUSE	DISPOSABLE
SHELF LIFE	2 YEARS

(*) Transmission is defined in comparison with a 2 meters / 600 microns / NA 0.37 silica bare fiber.

