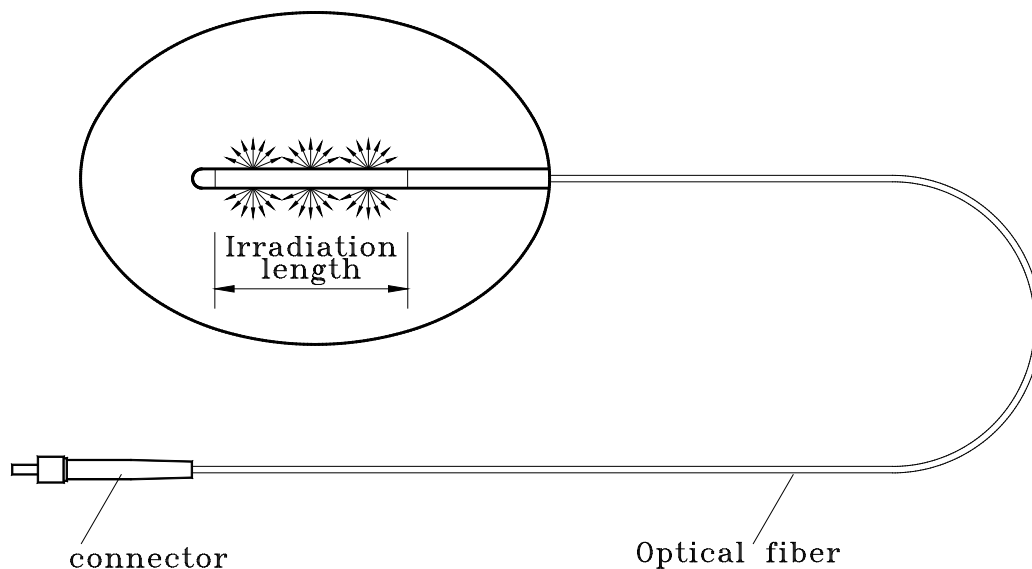


Cylindrical light diffuser, RD-ML



DESCRIPTION

The cylindrical light diffuser, RD-ML is a radially emitting fiber, which can be used for intraluminal photodynamic therapy (PDT). The cylindrical light diffuser, RD-ML is thin and very flexible, making it the optimal choice for endoscopic use.

It produces a radial light pattern, which is homogeneous all along the diffuser tip.

Standard tip lengths are 10, 20, 30, 40, 50 mm. Other lengths can be manufactured on request.

The diffuser is supplied sterile in peel-open package and is intended for single use only.

The diffuser must only be used with approved Photodynamic Therapy protocol.

TECHNICAL DATA

MECHANICAL DIMENSIONS (APPROXIMATE)	RD-ML
OVERALL DIAMETER	≤ 1.0 mm
OVERALL LENGTH	3 m
PROXIMAL RED JACKET LENGTH	1 m
OPTICAL CHARACTERISTICS	
TRANSMISSION (*) (630-760 nm)	≥ 80%
ILLUMINATION LENGTH [mm]	10, 20, 30, 40 and 50
UNIFORMITY (630-760 nm)	± 15%
MAXIMUM POWER DENSITY (in air)	0.5 W/cm (cw)
ABSOLUTE MAXIMUM INPUT POWER	2.0 W (cw)
OPTICAL FIBER	
FIBER MATERIAL	SILICA, Low OH ⁻
CORE DIAMETER	400 μm
NUMERICAL APERTURE	0.37
MINIMUM BENDING RADIUS	47 mm
FIBER CONNECTOR	SMA905
CONDITIONING	
PACKAGING	DOUBLE POUCH DISPENSER INDIVIDUAL BOX
STERILIZATION	STERILE / EtO
USEFUL LIFE	
REUSE	DISPOSABLE
SHELF LIFE	2 YEARS
MISCELLANEOUS	
RADIOMARKERS	NO
TIP LENGTH (DISTANCE BETWEEN THE DIFFUSING FIBER END AND THE ILLUMINATION LENGTH).	2 mm
WHITE LABEL AT THE CONNECTOR SIDE WITH SERIAL NUMBER AND ILLUMINATION LENGTH (mm).	

(*) Transmission is defined in comparison with a 2 or 3 meters / 400 microns / NA 0.37 silica bare fiber.