

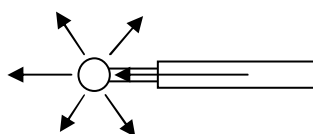
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Spherical light diffuser Model SD

CE 1253

The spherical diffuser is a fiber-based catheter. Coupled to a laser source, the spherical diffuser isotropically emits light at its distal end.



The diffuser is supplied sterile in peel-open package and is intended for single use only.
The SD diffuser must only be used with approved Photodynamic Therapy protocol.

TECHNICAL DATA

(subject to change without notice)

MECHANICAL DIMENSIONS	SD200
OD DISTAL TIP	2.00 mm
OVERALL LENGTH	3 m
OPTICAL CHARACTERISTICS	
TRANSMISSION (*)	> 80 %
ISOTROPY (standard deviation from 40° to 320°, in a ir)	± 10%
LASER INPUT	
MAXIMUM INPUT POWER (in air)	2 W (cw)
MAXIMUM INPUT POWER (in water)	6.0 W (cw)
WAVELENGTH RANGE	480 – 800 nm
OPTICAL FIBER	
FIBER MATERIAL	SILICA, low OH ⁻
CORE DIAMETER	600 µm
NUMERICAL APERTURE	0.37
MINIMUM BENDING RADIUS	94 mm
FIBER CONNECTOR	SMA 905

(*) Transmission is defined in comparison with a 5 meters / 600 microns / NA 0.37 silica bare fiber.