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0.50 NA Patchcord 400 Micron Fiber w/ SMA Connector

Stock **#28-741** **1 In Stock**

- 1 + **€301**.00

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Qty 1+	**€301,00** each
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Product Downloads

General

Type:

Patchcord

Physical & Mechanical Properties

Minimum Bend Radius (mm):

43 (Short Term)
86 (Long Term)

Length (m):

1.5

Optical Properties

Numerical Aperture NA:

0.50

Wavelength:

VIS-NIR

Wavelength Range (nm):

300 - 1200

Hardware & Interface Connectivity

Connector:

SMA 905

Environmental & Durability Factors

Operating Temperature (°C):

-40 to +85

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

View

Reach 233:

Compliant

Product Details

- 420 - 900nm Illumination with Converted LED
- Up to 20mW Output Power from a 1mm Multimode Fiber
- Light Coupling with **50µm – 1mm** Core Diameter Multimode Fibers
- Ideal for Spectroscopy Applications

The Fiber Coupled Broadband LED Light Source utilizes a VIS/NIR phosphor converter to convert the output of a 450nm LED chip into a broad 420 – 900nm spectrum. This light source provides highly efficient coupling with SMA connected multimode fibers with diameters of 50µm to 1mm and a numerical aperture (NA) up to 0.50, and features an output up to 20mW with a 1mm, 0.5 NA fiber. Featuring a built-in microprocessor, this light source can also be operated as a free-running stroboscope with an adjustable duty cycle and frequency up to 1kHz. The Fiber Coupled Broadband LED Light Source is a powerful alternative to halogen light sources and is ideal for VIS/NIR spectroscopy applications such as protein characterization, oxygen monitoring in marine ecosystems, and respiratory gas analysis. This light source can be controlled manually with the multifunctional rotating knob, directly via programming though a serial RS232 interface or with the provided user-friendly software interface.

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