

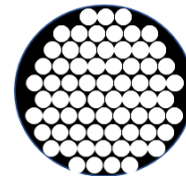
Liquid Light-guide

Light Delivery System for Microscopy Applications

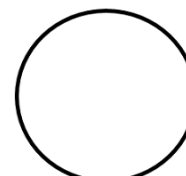
Ver. 3.1

Introduction

The liquid light-guide is a flexible tube with a liquid core that is used as an alternative to a light guide made of thin silica or glass fiber bundle and provides excellent light transmission. The liquid light-guides are highly flexible and do not break. The liquid light-guide has the cross-section of a pipe, thus has no packing losses like a fiber based light guides, which have spaces between the thin fibers where no light goes through.



Fiber bundle light-guide

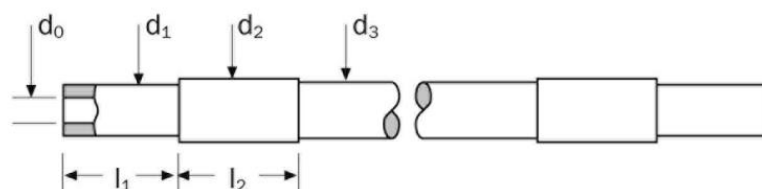


Liquid light-guide

Specifications

Description	P/N
Liquid Light Guide Core 3 mm, Numerical aperture (NA): 0.6, Length 1.5m	LLG-3
Liquid Light Guide Core 5 mm, Numerical aperture (NA): 0.6, Length 1.5m	LLG-5

Dimensions



P/N	Active Core Ø	End Fittings				Protective Sleeve	Min. Bending Radius [mm]
	d0 [mm]	d1 [mm]	l1 [mm]	d2 [mm]	l2 [mm]	d3 [mm]	
LLG-3	3	5	20	9	24	7	40
LLG-5	5	7	20	10	24	9.5	60

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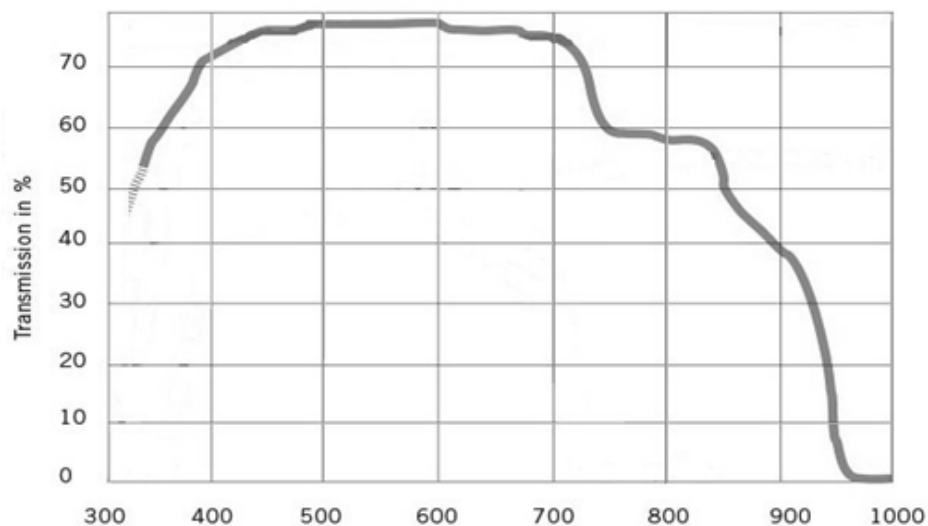
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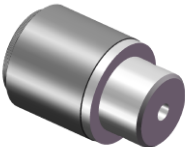
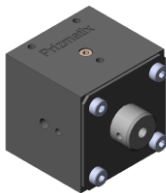
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Spectral Transmission



Accessories

Picture	Description	P/N
	Liquid Light Guide Collimator. 1 inch output. No XY adjust	LLG-ACX (X = 3 / 5)
	XYZ adjustable Collimator for Liquid Light-guide. To be used at epi-fluorescence port of microscope. Please specify X=3 or 5 for 3mm or 5mm core light-guide. Please specify N for Nikon / O for Olympus / Z for Zeiss / L for Leica microscope type	LLG-CX-Type (X = 3 / 5) (Type = N / O / Z / L) Example: LLG-C5-N

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