## 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.

## Specifications

### Description

<table>
<thead>
<tr>
<th>Description</th>
<th>P/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid Light Guide Core 3 mm, Numerical aperture (NA): 0.6, Length 1.5m</td>
<td>LLG-3</td>
</tr>
<tr>
<td>Liquid Light Guide Core 5 mm, Numerical aperture (NA): 0.6, Length 1.5m</td>
<td>LLG-5</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>P/N</th>
<th>Active Core Ø</th>
<th>End Fittings</th>
<th>Protective Sleeve</th>
<th>Min. Bending Radius [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>d0 [mm]</td>
<td>d1 [mm]</td>
<td>l1 [mm]</td>
<td>d2 [mm]</td>
</tr>
<tr>
<td>LLG-3</td>
<td>3</td>
<td>5</td>
<td>20</td>
<td>9</td>
</tr>
<tr>
<td>LLG-5</td>
<td>5</td>
<td>7</td>
<td>20</td>
<td>10</td>
</tr>
</tbody>
</table>

---

**Main Office**  
Phone: +972-72-2500097  
Fax: +972-72-2500096  
sales@prizmatix.com  
---

**European Sales Office**  
Phone: +44-(0)77-9172-9592  
Fax: +44-(0)20-7681-2977  
sales.europe@prizmatix.com  
---

**North America Sales Office**  
Phone: +1-(248)-436-8085  
Fax: +1-(248)-281-5236  
sales.usa@prizmatix.com  
---

P.O.B. 244 Givat-Shmuel 5410102, Israel
Spectral Transmission

![Spectral Transmission Graph]

Accessories

<table>
<thead>
<tr>
<th>Picture</th>
<th>Description</th>
<th>P/N</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Liquid Light Guide Collimator" /></td>
<td>Liquid Light Guide Collimator. 1 inch output. No XY adjust</td>
<td>LLG-CMX (X = 3 / 5)</td>
</tr>
<tr>
<td><img src="image2.png" alt="XYZ adjustable Collimator" /></td>
<td>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</td>
<td>LLG-CX-Type (X = 3 / 5) (Type = N / O / Z / L) Example: LLG-C5-N</td>
</tr>
</tbody>
</table>