Create finest lines of light for your individual design
Easy to install with huge scope for product designers
Radial emitting fiber for ambient lighting purposes
Flexible structure
Operating temperature range –40° up to 150° C
Chemical resistant
High quality fused silica for high power light sources
Appropriate for RGB LED, laser light sources and many more

Applications
- Automotive
- Interior & Exterior
- Transportation (RollingStock, Maritime, Aviation)
- Emergency & interior lighting
- Architecture
- Electrical Appliances
- Wearables

Our Service
- End face preparation & Assembly
- Cooperation during pre-development & final product design phase
- Product adjustments and tailor made solutions

LEONI
**AmbientFiber®**

Enabling Superior Lighting Solutions

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**Fused silica core**

**Polymere cladding**

**Jacket**

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What’s your AmbientFiber® application?

<table>
<thead>
<tr>
<th>NA</th>
<th>Core Ø range (µm)</th>
<th>Clad Ø range (µm)</th>
<th>Outer Ø range (µm)</th>
<th>Long term bending radius range (mm)</th>
<th>Application wavelength</th>
<th>Jacket material</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.37 or 0.5</td>
<td>100 – 1,500</td>
<td>200 – 1,700</td>
<td>400 – 5,000</td>
<td>30 – 400</td>
<td>UV-VIS</td>
<td>Nylon, Tefzel, PVC, PA</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Feature</th>
<th>AmbientFiber®</th>
<th>LED chain</th>
<th>PMMA light guide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homogeneity of light irradiation</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
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<tr>
<td>Freedom in design</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
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<tr>
<td>Operating temperature</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
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<tr>
<td>Photo darkening</td>
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<tr>
<td>Durability</td>
<td>☑</td>
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<tr>
<td>Safety (EMV)</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
</tr>
</tbody>
</table>

- ☑ appropriate
- ☑ partly appropriate
- ☑ inappropriate

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