High Efficiency
Color-mixing Lens

Unique, efficient mixing
for multi-color emitters

LLSP-1T06-H

The high efficiency color-mixing lens is designed specifically for LedEngin 10W multi-color RGGB and RGBA emitters to provide excellent color uniformity with maximum luminous output.

Key Features

- Excellent color mixing over the full color spectrum in the most efficient lens available
- Designed specifically for 10W multi-color series of RGGB and RGBA emitters; part numbers LZ4-20Mx10-xxxx
- Compatible with Standard MCPCB assemblies
- Optical grade PMMA lens material allows use of high current and temperature conditions
- Simple fastening of holder to PCB with appropriate adhesive, e.g. epoxy or polyurethane based.
- Patent pending

Optical Specifications – Typical Values

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viewing Angle (FWHM)</td>
<td>18°</td>
</tr>
<tr>
<td>Optical Efficiency</td>
<td>90%</td>
</tr>
</tbody>
</table>

Mechanical Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height from Seating Plane</td>
<td>27.57mm</td>
</tr>
<tr>
<td>Maximum Width</td>
<td>40.00mm</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-40°C ~ +110°C</td>
</tr>
<tr>
<td>Acceptable bonding materials*</td>
<td>Epoxy or polyurethane-based adhesives</td>
</tr>
</tbody>
</table>

*note: do not use a cyanoacrylate (superglue) adhesive!
Typical Relative Intensity over Angle

Angular Displacement (Degrees)

Relative Intensity (%)

Typical Radiation Pattern

Outline Dimensions

Contact Information

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