DDP
Delta De-Glaring Prism

The DDP prism structure offers an outstanding de-glaring performance with a reduced material thickness of 2 mm only. Concave surface structures and continuous cell connectors provide almost the same mechanical stability as the proven structures in 3 mm thickness. The reduced height and less weight enables even slimmer lighting solutions.

Key features

- outstanding de-glaring performance with a reduced material thickness of 2 mm
- almost identical mechanical stability as 3 mm thickness due to concave structures and continuous cell connectors
- highest possible efficiency for lighting applications with UGR < 19
- ideal for illumination of workstations
- suppresses high-angle light above 65 degrees to reduce visual glare while increasing on-axis light (“gain”)
- enables luminaires to comply with EN12464 glare specifications
**Optics Data Sheet**

**DDP**

**Delta De-Glaring Prism**

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**Product data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>standard material</td>
<td>PMMA clear (acrylic)</td>
</tr>
<tr>
<td>available size</td>
<td>rectangle up to 1500 mm x 600 mm</td>
</tr>
<tr>
<td></td>
<td>square up to 600 mm x 600 mm</td>
</tr>
<tr>
<td></td>
<td>customer specific cuts and optional profile</td>
</tr>
<tr>
<td></td>
<td>edge treatment (milling)</td>
</tr>
<tr>
<td>thickness</td>
<td>2 mm (2.5 up to 6.0 mm upon request)</td>
</tr>
<tr>
<td>cone diameter</td>
<td>2 mm</td>
</tr>
<tr>
<td>refractive index</td>
<td>1.491</td>
</tr>
<tr>
<td>transmittance$_{D65}$</td>
<td>92% (acrylic clear)</td>
</tr>
<tr>
<td>efficiency</td>
<td>&gt; 95% (in typical LED luminaire)</td>
</tr>
<tr>
<td>temperature range</td>
<td>-40°C up to +80°C (acrylic)</td>
</tr>
<tr>
<td>customization options</td>
<td>development of prismatic microstructures</td>
</tr>
<tr>
<td></td>
<td>for your specific applications, tooling and</td>
</tr>
<tr>
<td></td>
<td>series production</td>
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</tbody>
</table>

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Light distribution as simulated in reference luminaire, ldt file available upon request.

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