**Hexabolic™ 2**

*Plastic Parabolic Louver*

**Description**
The Hexabolic™ 2 is a small cell, high efficiency louver with high brightness control that uses interlocking, hexagonal shaped cells to create a honeycomb design. Distinctive in appearance, it is suitable for luminous ceiling applications and available in several perimeter variations and color options.

**Application**
Conference rooms, commercial and municipal buildings, entries and corridors, perimeter areas and computer rooms.

**Ordering Information**
Please call 877-257-5841 for price and delivery.

**Notice**
A.L.P. Lighting Components, Inc. assumes no responsibility for suitability of luminaires and applications.

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<table>
<thead>
<tr>
<th>Louver</th>
<th>Nominal Size</th>
<th>Material / Finish</th>
<th>Fabrication Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexabolic 2</td>
<td>3/4&quot; hexagonal cells</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>11-3/4&quot; x 47-3/4&quot;</td>
<td>SPS - Specular Silver, Polystyrene</td>
<td>CUT - Cut to Size</td>
</tr>
<tr>
<td>22</td>
<td>23-3/4&quot; x 23-3/4&quot;</td>
<td></td>
<td>AN - Avoida-Notch Framing</td>
</tr>
<tr>
<td>24</td>
<td>23-3/4&quot; x 47-3/4&quot;</td>
<td>SPG - Specular Gold, Polystyrene</td>
<td>Note: Cut to size - on Cut to Size orders 0.D. must be provided. Cut to Size louvers must be able to fit directly into the doorframe.</td>
</tr>
</tbody>
</table>

**Material:** Polystyrene

**Total Luminaire Efficiency:** 48.9%

<table>
<thead>
<tr>
<th>VCP</th>
<th>Plane</th>
<th>Spacing Criteria</th>
<th>Shielding Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>.88</td>
<td>0°</td>
<td>1.4</td>
<td>40</td>
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</table>

**To Order:** Select description from each column and include “options” if applicable.

**Note:** All Hexabolic 2 louvers are destaticized before and after fabrication to ensure a high quality product.
Hexabolic 2

TS: TECHNICAL SUPPORT
Building Acoustics & Lighting Laboratories, Inc
Test Report No. 5267.0
Date 2/24/1988

Description: Commercially available 2' x 4' Troffer 4/40W with Specular Silver Polystyrene Louver

Luminaire Watts = 178
Reflection = 90%
Catalog Number: Louver HB2-24SPS-S
Lamp Type: F40T12RS/WW
Lumens: 3200
Number of Lamps: 4

Specifications
Parabolic Louvers shall be Hexabolic 2 as manufactured by A.L.P. Lighting Components, Inc., and shall be injection molded of polystyrene or acrylic with all parabolic surfaces prepared with a primary undercoat and a highly specular vacuum metalized finish.

The cells shall be hexagonal in shape with each vertical wall a parabolic curve having its focus along the edge of the opposite parallel wall and a height of 1/2". Cell size opening to be 9/16" back opening and 11/16" front opening. This allows more light through the louver for increased efficiency. Cell dimensions shall be 3/4" x 3/4" x 1/2" and shall provide 40° shielding with a louver efficiency of not less than 48.9% (Specular Silver), and has a VCP rating of .99.

Lighting Fixtures - Panels will sometimes require additional cutting for proper installation. Louver panels can also be specified with the Avoida-Notch™ optional frame - to specify add suffix- AN50 to the base catalog number. For color designation use B for black, W for white. For specular finish use SPS.

Lighted Ceilings - Louver panels are designed to fit any standard 1' x 4', 2' x 2' or 2' x 4' tee bar grid system.

Special Sizes - Special sizes are available, contact A.L.P.

Hexabolic 2 01/11

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