The Lunar Series™
Screen Specifications

The Lunar Series offers the screen structures in a modular format with two different heights for aesthetic choice and the span needed for your design.

**4x6 SCREEN STRUCTURE**

**4x8 SCREEN STRUCTURE**

Note: Base plates are below grade. Multiple panel layouts can share posts.
The Lunar Series™ SCREEN SPECIFICATIONS

4x6 SCREEN STRUCTURE

<table>
<thead>
<tr>
<th>STRUCTURE SIZE</th>
<th>4’ on-center x 6’4” H</th>
</tr>
</thead>
<tbody>
<tr>
<td>POST</td>
<td>2” W x 3” D tube steel</td>
</tr>
<tr>
<td>FINISH</td>
<td>Proprietary powdercoat over zinc primer (UV stable and corrosion resistant)</td>
</tr>
<tr>
<td>PANEL</td>
<td>1/4” aluminum with proprietary powdercoat</td>
</tr>
</tbody>
</table>

4x8 SCREEN STRUCTURE

<table>
<thead>
<tr>
<th>STRUCTURE SIZE</th>
<th>4’ on-center x 8’4” H</th>
</tr>
</thead>
<tbody>
<tr>
<td>POST</td>
<td>3” W x 4” D tube steel</td>
</tr>
<tr>
<td>FINISH</td>
<td>Proprietary powdercoat over zinc primer (UV stable and corrosion resistant)</td>
</tr>
<tr>
<td>PANEL</td>
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</tr>
</tbody>
</table>

SCREEN LOAD AND PRESSURE RATINGS

Screen Assembly wind pressure rating 50 psf

50 psf design wind pressure is equivalent to
- 165 mph for Exposure B (in larger cities/urban areas)
- 135 mph for Exposure C (in suburban areas)
- 123 mph for Exposure D (in rural/flat areas)

70 psf design wind pressure is equivalent to
- 195 mph for Exposure B (in larger cities/urban areas)
- 160 mph for Exposure C (in suburban areas)
- 145 mph for Exposure D (in rural/flat areas)

Load and pressure rating notes:
The load and pressure ratings listed above reflect the Parasoleil pre-engineered Lunar Series screen structures.
Values in the shade and screen tables are based on ground level installations and reference AISC 360 and ASCE 7-10.

STRUCTURAL DESIGN

- Opening percentage for patterns can be provided once the pattern is determined.
- Commercial grade warranty on defects, structure, and finish.
- All metals protected with minimum 2-coat corrosion resistance or non-corrosive metals.
- Screen structure includes the appropriate number of end posts and center posts depending on your design. Corner posts are also available.

INSTALLATION

- Lunar Series panel installation methods are based on IAPMO UES EVALUATION REPORT 0488 used for Parasoleil product certification.
- Lunar Series installation methods based on patent-pending PBI bracket system that has been IAPMO certified for wind loads.
- Hardware list and installation instructions provided.
- Overall installed height of Lunar Series product assemblies are based on base plate/anchor bolt connections located 4” below the finish surface.
- For ease and efficiency of anchor bolt installation, a “drill and epoxy” method is intended over “cast-in-place” to minimize the risk of misaligned anchor bolts. Anchor bolt and epoxy specifications are to be provided by contractor or project engineer.

PERMITTING

For your reference and for permitting purposes, Parasoleil provides a complete set of pre-engineered fabrication drawings and specifications of the assembly with each order, to be combined with the permit set and wet-stamped by owner’s engineer of record. Site specific footing details including anchor bolt specifications must also be provided by engineer of record.

For specific product engineering calculations, call us at 303.589.4524 or email hello@parasoleil.com.