Technical Data – Metal Ceilings

SIMPLICITY, SLIM, STREAMLINE AND TUBELINE BAFFLES

Features and benefits
• Simple design provides easy access to enclosed plenums
• 4 profiles to select from
• Available in over 44 colours and 26 wood look options
• Choose from a range of heights which can be installed at varied spacings
• Can be installed on vertical or curved surfaces
• End caps are matched to the colour of your choice
• Can be designed and installed in accordance with Australian and New Zealand seismic standards (AS1170.4 & NZS1170.5)

Application
• Entertainment venues such as gaming lounges
• Lobbies or foyers
• Offices
• Restaurants
• Retail areas
• Transportation centres, including train stations and airport terminals

Colours

<table>
<thead>
<tr>
<th>2113</th>
<th>3111</th>
<th>5113</th>
<th>5114</th>
<th>5115</th>
<th>5117</th>
<th>3126</th>
<th>3112</th>
<th>3117</th>
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</thead>
<tbody>
<tr>
<td>Standard White</td>
<td>Black</td>
<td>Silver</td>
<td>Copper</td>
<td>Dark Bronze</td>
<td>Gold</td>
<td>Grass Green</td>
<td>Orange</td>
<td>Red</td>
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<table>
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<tr>
<th>2122</th>
<th>3116</th>
<th>5119</th>
<th>WD-8010</th>
<th>WD-8002</th>
<th>WD-8006</th>
<th>WD-8014</th>
<th>WD-8015</th>
<th>WD-8026</th>
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<tbody>
<tr>
<td>Yellow Lemon</td>
<td>Sky Blue</td>
<td>Hammer Silver Black</td>
<td>Atlantic Cedar</td>
<td>Natural Oak</td>
<td>Dark Ash</td>
<td>California Nut</td>
<td>Maple Wood</td>
<td>Africa Beech</td>
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</tbody>
</table>

Due to printing limitations, shade may vary from actual product.
Over 44 colour and 26 wood look options to choose from, refer to USG BORAL Series 2000/5000 and Wood Look Aluminium Metal Ceilings Colour Guide.
### SIMPLICITY BAFFLES

<table>
<thead>
<tr>
<th>Item Name</th>
<th>Diagram Reference No.</th>
<th>System Weight @ 100mm Centres</th>
<th>Finished Thickness</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simplicity Baffle 25mm x 150mm x 3600mm</td>
<td>1</td>
<td>8.3</td>
<td>1.0</td>
<td>W 25mm x H 35mm²</td>
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<tr>
<td>Simplicity End Cap 25mm x 150mm</td>
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<td>1.0</td>
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<td>Simplicity Baffle Connector 25mm x 150mm</td>
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<td>9.7</td>
<td>1.0</td>
<td>W 25mm x H 75mm</td>
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<td>Baffle Bracket</td>
<td>2</td>
<td>11.5</td>
<td>1.0</td>
<td>W 25mm x H 100mm</td>
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<tr>
<td>Baffle Carrier 3000mm</td>
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<td>18.0</td>
<td>1.3</td>
<td>W 25mm x H 150mm³</td>
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<tr>
<td>Baffle Carrier Connector</td>
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<td>23.7</td>
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<td>W 25mm x H 200mm³</td>
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<tr>
<td>Adjustable Suspension Clip</td>
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<td>11.4</td>
<td>1.0</td>
<td>W 30mm x H 100mm³</td>
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<td>Baffle Bracket</td>
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<td>17.7</td>
<td>1.3</td>
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<tr>
<td>Baffle Carrier 3000mm</td>
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<td>11.4</td>
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<tr>
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<td>31.1</td>
<td>1.6</td>
<td>W 50mm x H 200mm³</td>
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</tbody>
</table>

**Note:**
1. Estimation with +/-10% variation weight is based on kg per m². See System Weights section for more information.

Minimum lead times apply, check with USG Boral for availability.
10 Year Warranty on Indoor Panels only. USG Boral Metal Ceiling Panels are covered by a 10 year warranty when used indoors and 5 years outdoors. Go to USGBoral.com/Baffles for Metal Ceiling Warranty CW2015B.
Suspension Methods

For seismic design support please contact TecASSIST™

Simplicity Profile Suspended with (7) Rondo 719 Suspension Clip

The ceiling is suspended from either Rondo 719 Suspension Clip (7) or 5mm Threaded Rods that connect with Baffle Carriers (3) at 1200mm max. The Baffles are typically installed perpendicular to the Baffle Carriers (3) at 100mm centres (minimum 50mm) using Baffle Brackets (2). The Baffle Carrier Connectors (4) are mechanically fastened to connect the Baffle Carriers (3). Panel Connector (6) are used to connect the Baffles (1).
Physical Data/Footnotes

Materials
Baffles are made from extruded aluminium. Carrier Rails are made from galvanised steel and are powder coated black.

Finishing
Electrostatically applied polyester powder coating. Thickness of coating shall be min 60 microns. The powder coating has a 5 years outdoor and 10 years indoor warranty.

Tolerances
All ceiling should conform to BS8290, Dimensional Accuracy Test.

Warranty
USG Boral Metal Ceiling Panels are covered by a 10 year warranty when used indoors and 5 years outdoors. Go to USGBoral.com/baffles for Metal Ceiling Warranty CW2015B.

Properties Standards Performance

- Impact Resistance Test
  - ASTM D 2794 16mm ball 9 Nm

- Erichsen Cupping Test
  - DIN EN ISO 1520 5-10mm

- Bend Test
  - DIN EN ISO 1519 2-12mm

- Pencil Hardness Test
  - ASTM D3363 HB-2H

- Buchholz
  - DIN EN ISO 2815 70-90

- Adhesion
  - DIN EN ISO 2409 G10 - no loss of adhesion

- Corrosion Protection
  - ASTM B117-73 Excellent

- QUV Resistance
  - ASTM E - 53 Excellent

- Surface Spread of Flame
  - BS476: part 7 - 1997 Class 1

- Fire Propagation Test
  - AS/NZS 3837 ISO 5560 Group 1 - unsprinkled Group 1 - S

- Chlorine Exposure Test
  - Excellent

System Weights

Estimated weight including Carrier Rail spaced at 1200mm centres and Baffles at 100mm centres:

Simplicity
1. W 25mm x H 35mm at 100mm centres: 8.23kgs/m²
2. W 25mm x H 50mm at 100mm centres: 8.40kgs/m²
3. W 25mm x H 75mm at 100mm centres: 9.69kgs/m²
4. W 25mm x H 100mm at 100mm centres: 11.43kgs/m²
5. W 25mm x H 150mm at 100mm centres: 17.98kgs/m²
6. W 30mm x H 100mm at 100mm centres: 11.34kgs/m²
7. W 30mm x H 150mm at 100mm centres: 17.74kgs/m²
8. W 50mm x H 50mm at 100mm centres: 11.4kgs/m²
9. W 50mm x H 100mm at 100mm Centres: 12.9kgs/m²
10. W 50mm x H 150mm at 100mm Centres: 22.6kgs/m²
11. W 50mm x H 200mm at 100mm Centres: 31.1kgs/m²

Streamline
1. W 25mm x H 50mm at 100mm centres: 8.28kgs/m²
2. W 25mm x H 75mm at 100mm centres: 9.61kgs/m²
3. W 25mm x H 100mm at 100mm centres: 10.87kgs/m²
4. W 25mm x H 150mm at 100mm centres: 17.50kgs/m²

Slim
1. W 25mm x H 50mm at 100mm centres: 8.28kgs/m²
2. W 25mm x H 75mm at 100mm centres: 9.61kgs/m²
3. W 25mm x H 100mm at 100mm centres: 10.87kgs/m²
4. W 25mm x H 150mm at 100mm centres: 17.50kgs/m²

Tubeline
1. D 30mm at 100mm centres: 6.8kgs/m²
2. D 40mm at 100mm centres: 7.5kgs/m²
3. D 50mm at 100mm centres: 8.7kgs/m²
4. D 60mm at 100mm centres: 9.5kgs/m²