IC 108-T
100 V In-Ceiling Line

Key Points

• Excellent performance/size ratio.
• Rich bass that permits a use without subwoofer.
• Speaker ready for painting (removable logo and protection kit supplied).
• Flush grille for optimum integration.
• Inverted dome tweeter: the best space dispersion in the market!
• Tweeter and woofer compatible with damp environment.
• Adjustable tweeter for total control of directivity.
• Genuine audiophile 12-12 dB/octave crossover for outstanding sound quality.

Technical specifications

Max. power | 140W
Nominal power (100V) | 30W (30 - 20 - 10W)
Sensitivity at 1W/30W (at 1kHz, 1m) | 90dB/105dB
Bandwidth (± 3dB) | 50Hz - 20kHz
Opening angle (at 1kHz/4kHz, -6dB) | 165°/180°
Nominal power | 100 Volts
Nominal impedance | 300/450/900 ohms (30/20/10W)
Passive crossover cut-off frequency | 3300Hz
Drivers
8½/4" (21cm) glass fiber woofer/midrange
9½/16" (25mm) aluminum inverted dome adjustable tweeter
Frame dimensions (diameter) | 11 ⅞" (282mm)
Cut-out dimensions (diameter) | 9 ⅞/16" (246mm)
Cut-out depth | 4⅞/16" (110mm)
Weight | 3.5 lb (1.6kg)
Color | White

Focal® is a trademark of Focal-JMlab® - www.focalprofessional.com
BP 374 - 108, rue de l'Avenir - 42353 La Talaudière cedex - France - Tel. (+33) 04 77 43 57 00 - Fax (+33) 04 77 43 57 04
The invisible great Focal sound.
The Focal Professional Commercial Integration range is the answer to two fundamental constraints:
- offering very high quality sound audio solutions
- promoting product integration to preserve architectural harmony.

Applications:
The Focal IC 108-T loudspeaker can be installed in numerous applications such as: conference rooms, shopping malls, lecture halls, restaurants, corridors, shops, swimming-pools, hotels, boats, museums, meeting rooms, ...

Packaging:
1 IC 108-T speaker with grille
1 cut-out template
1 protective mask
1 key to remove the grille
1 removable Focal logo

Environmental characteristics
- Ambient temperature: -25 °C to + 55 °C
- Watertightness: Damp environment

Electrical diagram

IC 108-T speaker level calculation table

<table>
<thead>
<tr>
<th>Power/Distance</th>
<th>1 meter</th>
<th>2 meters</th>
<th>5 meters</th>
<th>Summary</th>
<th>125Hz</th>
<th>250Hz</th>
<th>500Hz</th>
<th>1kHz</th>
<th>2kHz</th>
<th>4kHz</th>
<th>8kHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 watt</td>
<td>90dB</td>
<td>84dB</td>
<td>76dB</td>
<td>NPA (1W/1m) (dB)</td>
<td>90</td>
<td>89</td>
<td>88</td>
<td>89</td>
<td>89</td>
<td>85</td>
<td>88</td>
</tr>
<tr>
<td>10 watts</td>
<td>100dB</td>
<td>94dB</td>
<td>86dB</td>
<td>NPA (20W/1m) (dB)</td>
<td>105</td>
<td>104</td>
<td>103</td>
<td>105</td>
<td>104</td>
<td>100</td>
<td>103</td>
</tr>
<tr>
<td>20 watts</td>
<td>103dB</td>
<td>97dB</td>
<td>89dB</td>
<td>opening angle at -6 dB</td>
<td>180°</td>
<td>180°</td>
<td>180°</td>
<td>165°</td>
<td>95°</td>
<td>180°</td>
<td>80°</td>
</tr>
<tr>
<td>30 watts</td>
<td>105dB</td>
<td>99dB</td>
<td>91dB</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Values of average ambient level examples

<table>
<thead>
<tr>
<th>Level</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>110dB</td>
<td>Discotheque</td>
</tr>
<tr>
<td>90dB</td>
<td>Pub, stadium during a goal</td>
</tr>
<tr>
<td>80dB</td>
<td>Multipurpose room, station, stadium terraces</td>
</tr>
<tr>
<td>70dB</td>
<td>Supermarket, shop, swimming-pool, ice-rink</td>
</tr>
<tr>
<td>60dB</td>
<td>Conference room, office, museum, place of worship</td>
</tr>
<tr>
<td>50dB</td>
<td>Classroom</td>
</tr>
<tr>
<td>25dB</td>
<td>Quiet room</td>
</tr>
</tbody>
</table>

IC 108-T speaker coverage area

<table>
<thead>
<tr>
<th>Speaker height/ground</th>
<th>2.5m</th>
<th>3m</th>
<th>4m</th>
<th>5m</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 speaker for</td>
<td>15m²</td>
<td>30m²</td>
<td>80m²</td>
<td>150m²</td>
</tr>
</tbody>
</table>

Focal® is a trademark of Focal-JMlab® - www.focalprofessional.com
Due to constant technological advances, Focal-JMlab reserves its right to modify technical specifications without notice. Images may not exactly conform to specific product. SCAuB-080423/2