LSC-506 (L-VCM6B/EN)
6 W Ceiling Loudspeaker with Fire Dome

✔ Superior sound and music reproduction
✔ Easy to install
✔ Simple power tapping
✔ Perfect for voice evacuation system
✔ EN 54-24 certified

General
This voice alarm ceiling loudspeaker is specifically designed for use in buildings where performance of systems for voice evacuation announcements is governed by regulations. It is designed for flush in suspended ceiling and ideal for even sound distribution. The appearance and neutral white RAL 9003 color have been selected to be unobtrusive in virtually all interiors. The fire dome increases protection of the cable termination.

Mounting
This loudspeaker can be directly installed at ceiling.

Power setting
The product comes with a ceramic connector for power tapping.

With Transformer: 100 V / 70 V line

<table>
<thead>
<tr>
<th>Red wire plus tapping</th>
<th>Black</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 V</td>
<td>0.75 W</td>
</tr>
<tr>
<td>70 V</td>
<td>0.375 W</td>
</tr>
<tr>
<td>IMP (Ω)</td>
<td>13 K</td>
</tr>
</tbody>
</table>

Dispersion Angles

<table>
<thead>
<tr>
<th>Dispersions</th>
<th>Horizontal</th>
<th>Vertical</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 oktave pink noise</td>
<td>500 Hz</td>
<td>187 °</td>
</tr>
<tr>
<td>1 oktave pink noise</td>
<td>1 kHz</td>
<td>173 °</td>
</tr>
<tr>
<td>1 oktave pink noise</td>
<td>2 kHz</td>
<td>151 °</td>
</tr>
<tr>
<td>1 oktave pink noise</td>
<td>4 kHz</td>
<td>59 °</td>
</tr>
</tbody>
</table>

Frequency Response
Frequency response at 100 V / 4 m / 1/3 oct. smoothing

EN 54-24
Specifications

Max. power 9 W
Rated power 6 W
Power tapping 6 W / 3 W / 1.5 W / 0.75 W
SPL @ 1 W / 1 m (100 Hz ~ 10 kHz) 91 dB
SPL @ 6 W / 4 m (100 Hz ~ 10 kHz) 88 dB
Frequency range (- 10 dB) 180 Hz ~ 20 kHz
Rated input voltage 100 V
Rated impedance 1.7 kΩ / 3.3 kΩ / 6.7 kΩ / 13 kΩ
Connection Ceramic terminal
Operating temperature - 25 °C ... + 55 °C
Storage temperature - 40 °C ... + 70 °C
Relative humidity < 95 %
Thermal fuse 150 °C
Material Metal
Color (front grill / dome) White similar to (RAL 9003) / Red similar to (RAL 3000)
Weight 1.29 kg
Diameter of speakers 127 mm (5 ”)
Dimensions Ø 181 mm x 129 mm
Declaration of performance CPR-DoP-2013002

Order information

6 W ceiling loudspeaker with fire dome Part No. LSC-506

Additional order information can be found in the product catalog “VAPA System VARIODYN D1”
* The reference axis is perpendicular to the centre point of the front grille
* The reference plane is perpendicular to the centre of the reference axis
* The horizontal plane is perpendicular to the centre of the reference plane
* The spec/date was measured using a standard baffle mounting in an anechoic chamber as described in EN 54-24