

LSC-506 (L-VCM6B) 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
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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.

Technical Specifications

Electrical

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 K Ω / 3.3 k Ω / 6.7 k Ω / 13 k Ω
Connection	Ceramic terminal

Mechanical

Dimensions	Ø 181 mm x 129 mm
Diameter of speakers	127 mm (5 ")
Hole cut-out size	Ø 155 mm
Weight	1.29 kg
Color (front grille / dome)	White (RAL 9003) / Red (RAL 3000)
Material	Steel
Thermal fuse	150 °

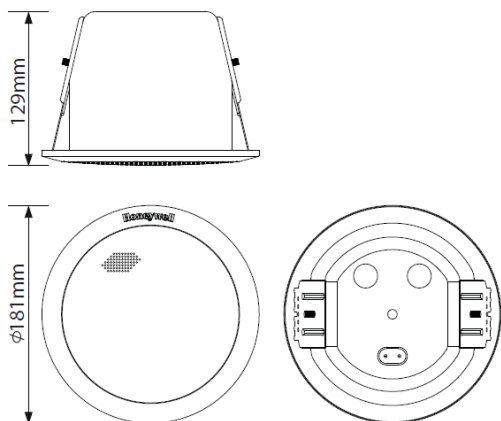
Order Information

Catalog description	6 W ceiling loudspeaker with fire dome
Part number	LSC-506
Type	L-VCM6B
DoP number	CPR-DoP-2013002

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/data was measured using a standard baffle mounting in an anechoic chamber as described in EN 54-24

Diagram

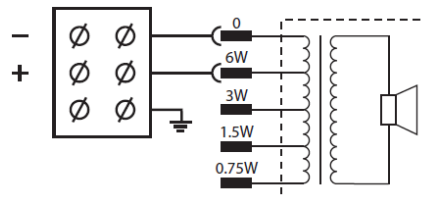


Dimensions in mm

With Transformer: 100 V / 70 V line

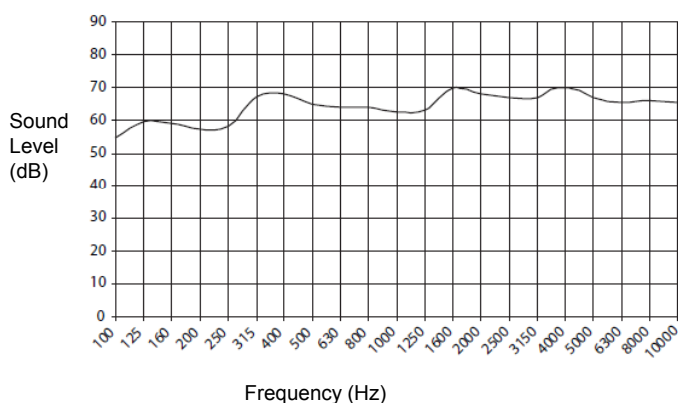
	Red wire plus tapping				Black
100 V	0.75 W	1.5 W	3 W	6 W	Com
70 V	0.375 W	0.75 W	1.5 W	3 W	Com
IMP (Ω)	13 K	6.7 K	3.3 K	1.7 K	

Circuit Diagram



Frequency Response

Frequency response at dB SPL (20uPa) @ 4 m, 1 W / 41.2 V input, 1/3 oct. smoothing



Dispersion Angles

		Horizontal	Vertical
1 oct. pink noise	500 Hz	187 °	174 °
1 oct. pink noise	1 kHz	173 °	174 °
1 oct. pink noise	2 kHz	151 °	152 °
1 oct. pink noise	4 kHz	59 °	58 °