

EN54 CEILING SPEAKER

- 10W 100V LOUDSPEAKER
- SIZE 8" (200MM)
- QUICK MOUNT
- SHOCK-RESISTANT HOUSING
- INGRESS PROTECTION IP55C
- HIGH EFFICIENCY
- EXCELLENT SOUND QUALITY
- FULLY CERTIFIED TO EN54-24



OVERVIEW

The SPCF-10W-80-EN54 is a 10W 100V flush mount ceiling loudspeaker, which has a 8" (200mm) full-range chassis providing excellent sound quality with speech and background music, and which is certified to EN54-24. The speaker is fitted with a 100V transformer which has four power adjustment tapings of 10W, 6W, 3W and 1.5W.

The SPCF-10W-80-EN54 has a powder coated metal chassis and grille, with the high quality finish giving good long-term protection and resistance to corrosion. The speaker is supplied with a rear fire dome, and its enclosure is ingress protection rated to IP55C. As standard, the speaker is coloured to match RAL9010 'Pure White', however the speakers can be supplied in any four-digit RAL or NCS colour, as a special order.

Quick and easy ceiling mounting is provided through the use of spring clamps, with a possible ceiling thickness of between 6mm and 45mm, and an inner ring attachment prevents the grille from falling. The 100V loudspeaker line cabling is connected by means of a two-pin ceramic block, with rubber grommets being provided for the cable connections. For additional reliability, a thermal fuse is provided and the speaker chassis is damp-resistant.

Please note that although thin ceilings can be used as a mounting surface, it should be ensured that the ceiling thickness and strength are appropriate to the weight of the speaker, and to the thickness and weight of the 100V line cable.

EASE data is available for this speaker on request.

PRODUCT ATTRIBUTES

Power Tappings 10W / 6W / 3W / 1.5W

Frequency Range 243 – 19,700 Hz

Frequency Response 200 – 23,500 Hz

SPL 1W / 1m, peak 102.9 dB

SPL 1W / 4m, peak 90.9 dB

SPL Pmax / 4m, peak 100.9 dB

Sensitivity EN54-24, 1W / 4m 81.9 dB

Dispersion (-6dB, 500Hz) 180°

Dispersion (-6dB, 1KHz) 180°

Dispersion (-6dB, 2KHz) 82°

Dispersion (-6dB, 4KHz) 48°

Temperature Range -20 / +80 °C

Dimensions 268 x 138 mm

Weight (net) 2.98 kg

Colour RAL 9010 'Pure White'

Connector 2-pin ceramic block

Mounting Quick fit mounting

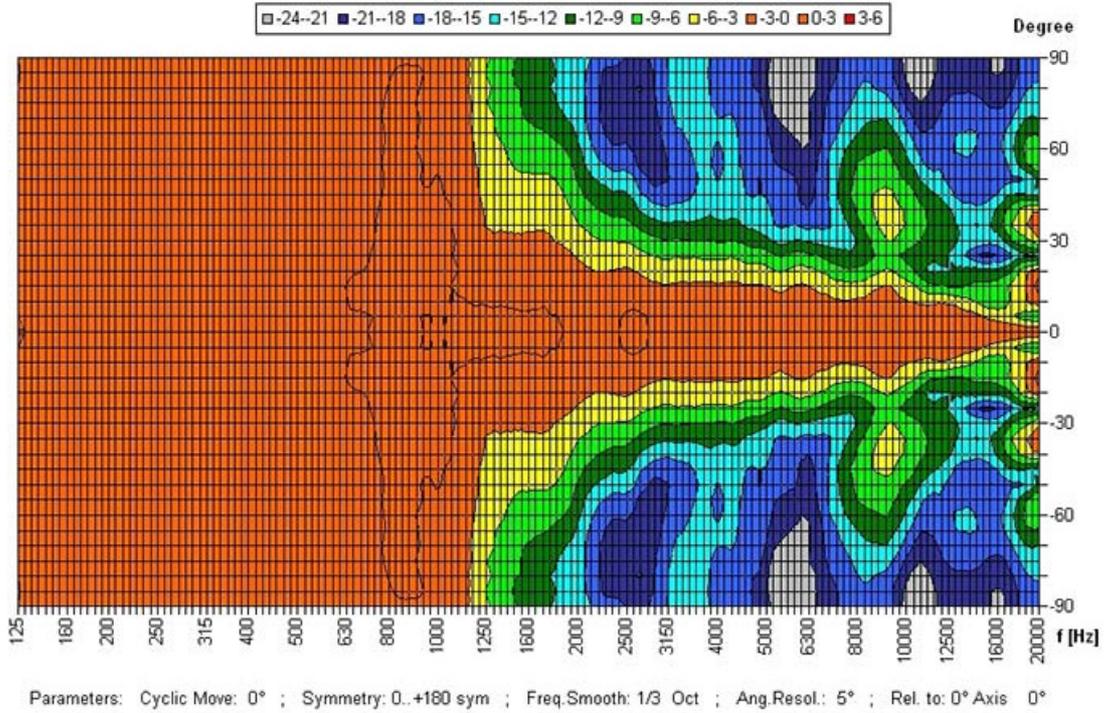
Ceiling Cut-out 243 mm

Maximum cable cross-section 8mm²

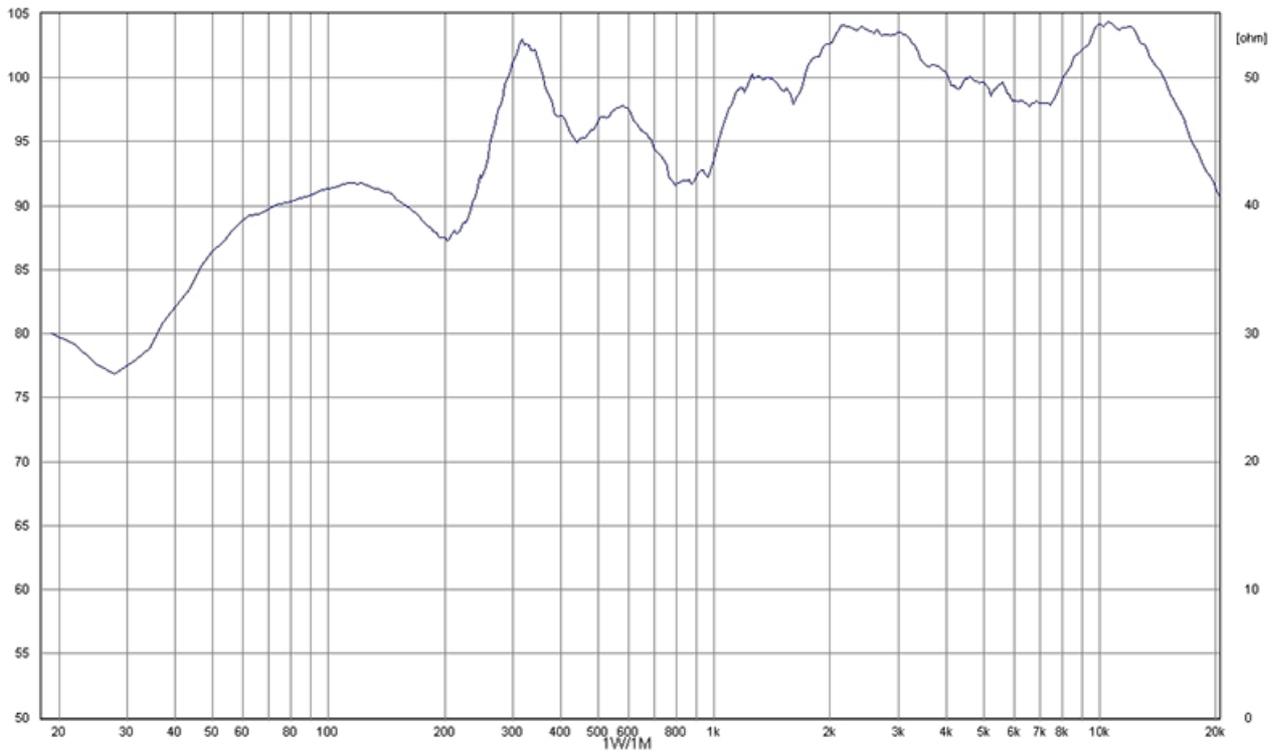
Maximum cable cross-section loop 2 x 2mm²

IP Rating IP55

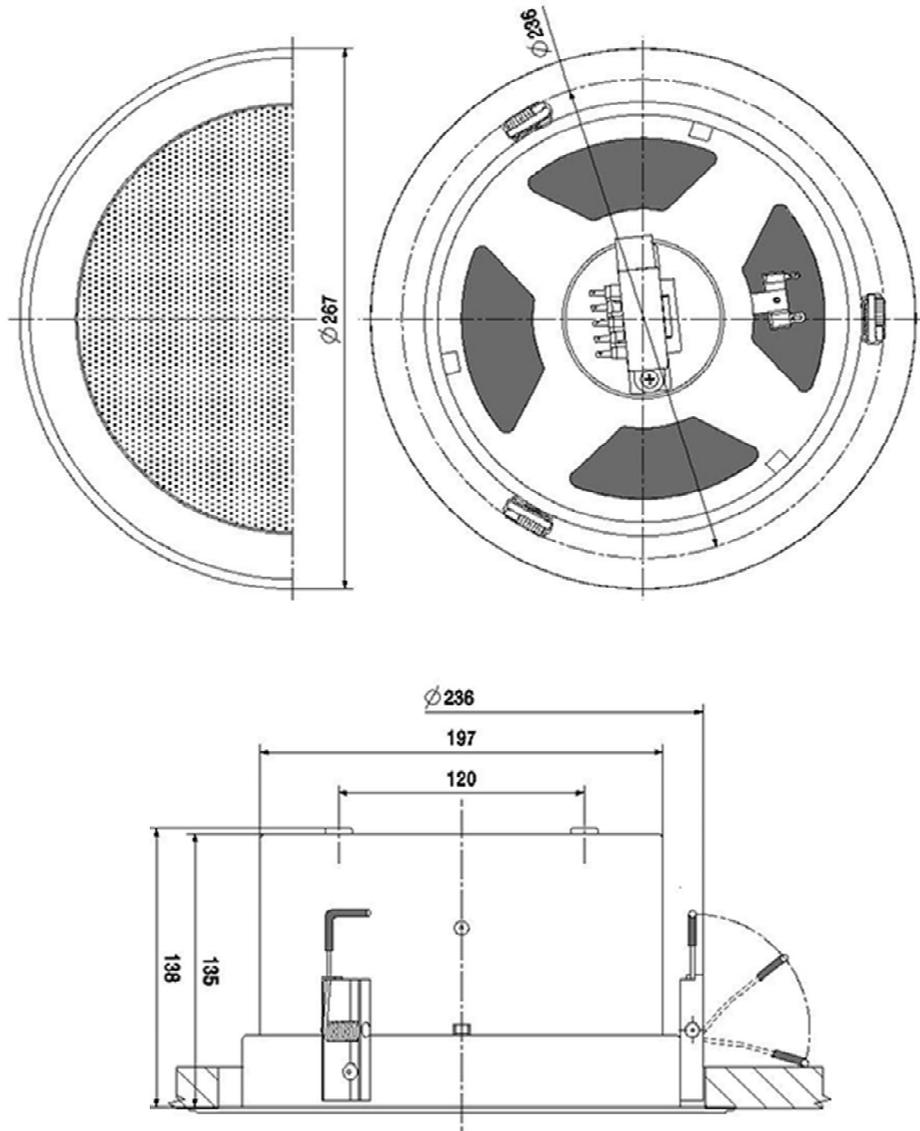
POLAR DIAGRAM



FREQUENCY RESPONSE DIAGRAM



DIMENSIONAL DIAGRAM



Measurements according to DIN IEC 268-5

RoHS complaint (2011/65/EU)

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