

## EN54 CEILING SPEAKER

- 50W 100V 2-WAY LOUDSPEAKER
- SIZE 6.5" (165 MM)
- QUICK MOUNT
- MAGNETIC FASTENING GRILLE
- WEATHERPROOF TO IP21C
- METAL FIREDOME HOUSING
- ROTARY SWITCH POWER SELECTION
- EXCELLENT SOUND QUALITY
- FULLY CERTIFIED TO EN54-24



### OVERVIEW

The SPCM-50W-65-EN54 is a 50W 100V 2-Way ceiling loudspeaker fitted with a Firedome for Voice Alarm applications. It has a 6.5" (165mm) loudspeaker chassis with a high quality tweeter providing excellent sound quality for speech and background music.

Certified to EN54-24 the speaker is fitted with a 100V transformer with four power level adjustment tapings of 50W, 25W, 12.5W and 6.25W, selectable using a rotary switch on the front of the speaker, behind the grille. Low impedance operation is also possible.

The sturdy metal Firedome housing in RAL 9016 guarantees long-term durability. For additional reliability, a thermal fuse is provided. The speaker is protected to class IP 21C and the speaker chassis is treated against damp.

Easy installation is made possible through a simple screw mounting system. Using a magnetic fastening, the finely perforated speaker grille can be removed quickly for access to the power rating switch and the grille can be easily replaced by a different coloured grille, even after installation.

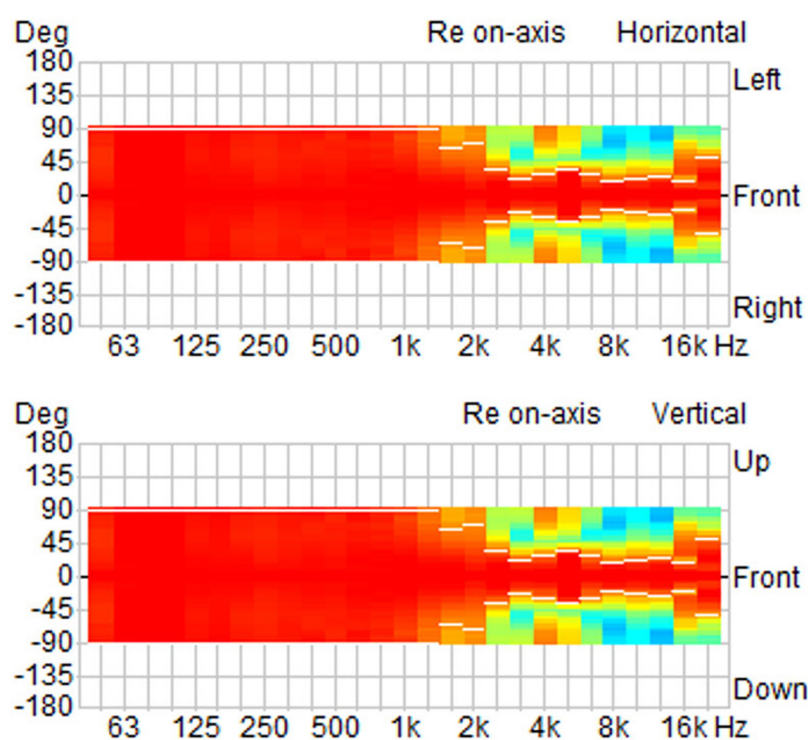
The loudspeaker is optionally available with a DC blocking capacitor fitted, in order to provide compatibility with DC loudspeaker line monitoring systems. The part number for this DC monitoring compatible version is SPCM-50W-65-EN54-DC.

EASE data is available for this speaker on request.

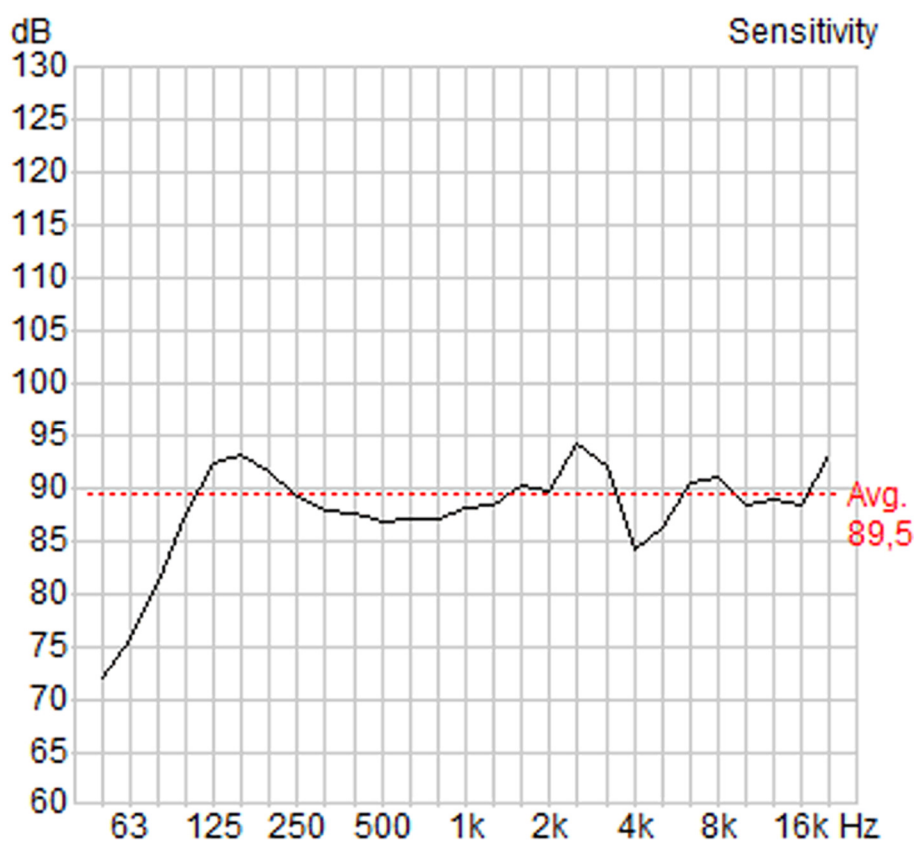
**PRODUCT ATTRIBUTES**

Description	SPCM-50W-65-EN54
Power Tappings	50 / 25 / 12.5 / 6.25 (8) W
Impedance	200 / 400 / 800 / 1600 ohm
Frequency Range	65 - 24,000 Hz
Frequency Response	80 - 22,200 Hz
SPL 1W / 1m, peak	94.1 dB
SPL 1W / 4m, peak	82.1 dB
SPL Pmax / 4m, peak	99.0 dB
Sensitivity EN54-24, 1W / 4m	77.5 dB
Sensitivity IEC 268-5, 1W/1m	89.5 dB
Dispersion (-6dB, 500Hz) & Dispersion (-6dB, 1KHz)	180°
Dispersion (-6dB, 2KHz)	140°
Dispersion (-6dB, 4KHz)	56°
Temperature Range	-10 / +55 °C
Dimensions	264 x 240mm
Ceiling Cut-out	238mm
Weight (net)	3.75 kg
Colour	RAL 9016 (Traffic White)
Connector	4-way clamp terminal
Mounting	Screws
IP Rating	IP21
Maximum cable cross section	4.9mm <sup>2</sup>
Maximum cable cross section loop	2 x 4.9mm <sup>2</sup>
Packing Unit	8

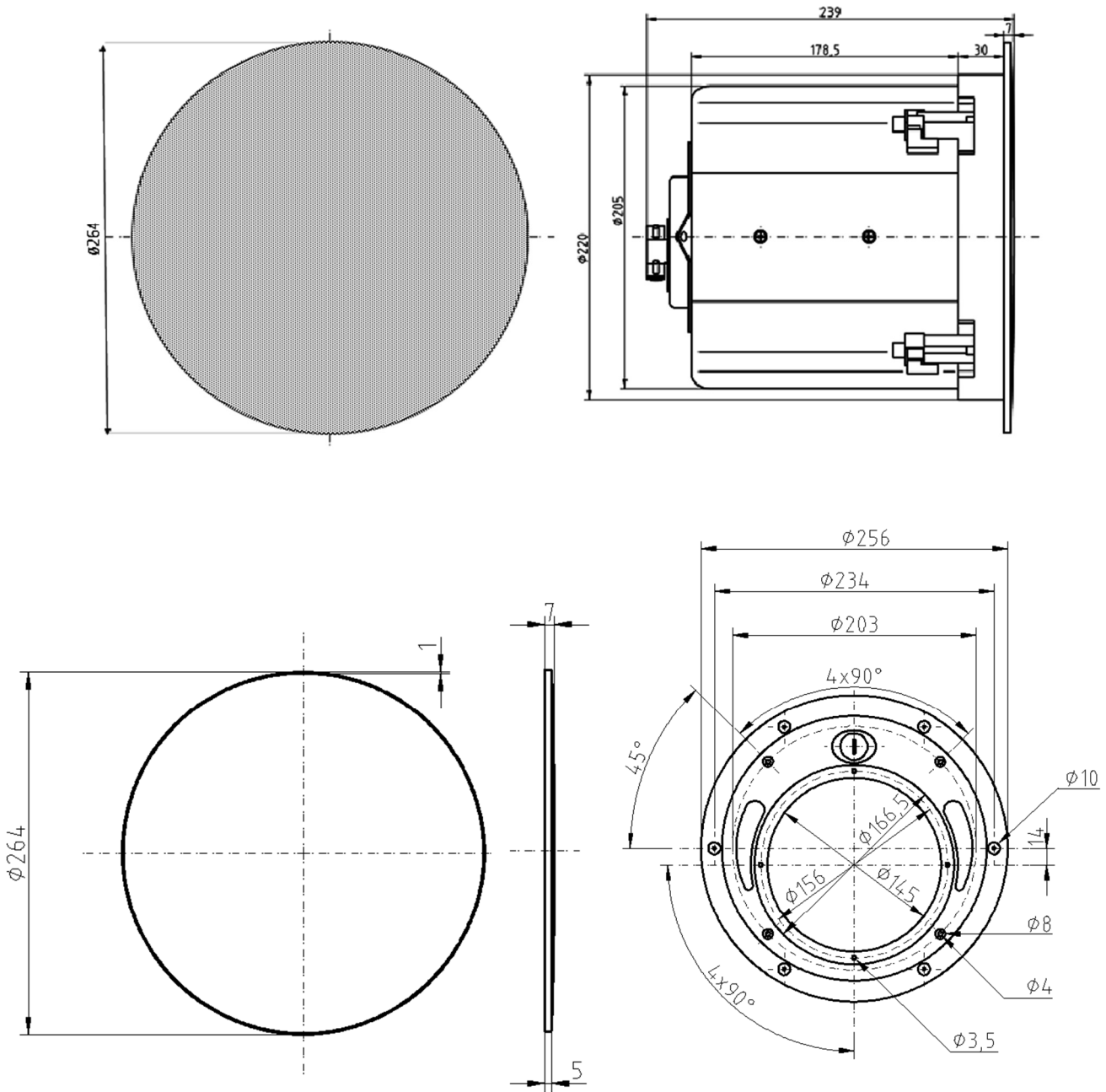
POLAR DIAGRAM



FREQUENCY RESPONSE DIAGRAM



**DIMENSIONAL DIAGRAM**



Measurements according to DIN IEC 268-5  
 RoHS compliant (2011/65/EU & 2015/863/EU)



This equipment is designed and manufactured to conform to the following EU Directives:

Low Voltage: 2014/35/EU  
 Restriction of Hazardous Substances (RoHS): 2011/65/EU & 2015/863/EU

**Manufacturer**

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Assessed to ISO 9001  
 LPCB Cert No: C1043