

LCZ-UC04S-IN Ceiling loudspeaker 4W, splash proof



- ▶ Compact yet powerful
- ▶ Modern unobtrusive styling
- ▶ Installation friendly
- ▶ Splash-waterproof

The LCZ-UC04S-IN is a compact, 4 W loudspeaker with a circular plastic grille. It has excellent audio performance and is easy to install with its integral mounting clips. The loudspeaker is IPx4 water protected from the front so it can be installed in humid environments.

Functions

The LCZ-UC04S-IN has a perforated plastic grille, finished in an attractive off-white color. The unobtrusive styling of this loudspeaker complements today's interior lighting.

The loudspeaker (with special treated paper cone) is IPx4 water protected from the front and can be applied in humid environments, for example in bathrooms, saunas, atriums and swimming pool areas.

The loudspeaker has been tested for operation at rated power for 100 hours in accordance with IEC 268-5 Power Handling Capacity (PHC) standards.

Installation/configuration notes

Installation is easy with integral clips that securely hold the ceiling loudspeaker in its cut-out. Ceilings from 9 to 25 mm thick can be accommodated. The line matching transformer mounted on the ceiling loudspeaker can be tapped for nominal full power, half power and quarter power radiation to adjust in 3dB steps.

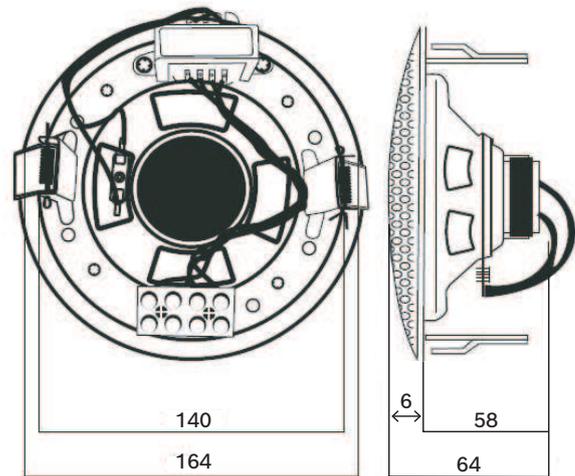


Fig. 1: Dimensions in mm

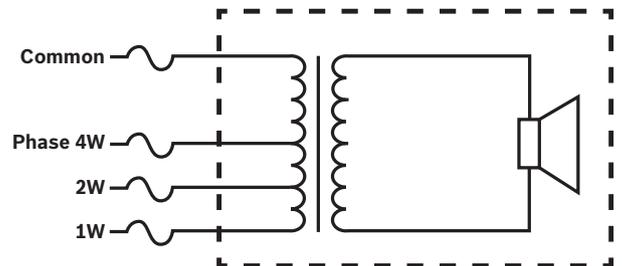


Fig. 2: Circuit diagram

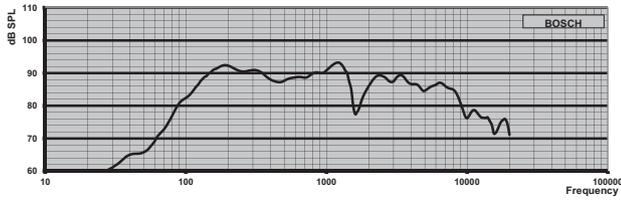


Fig. 3: Frequency response

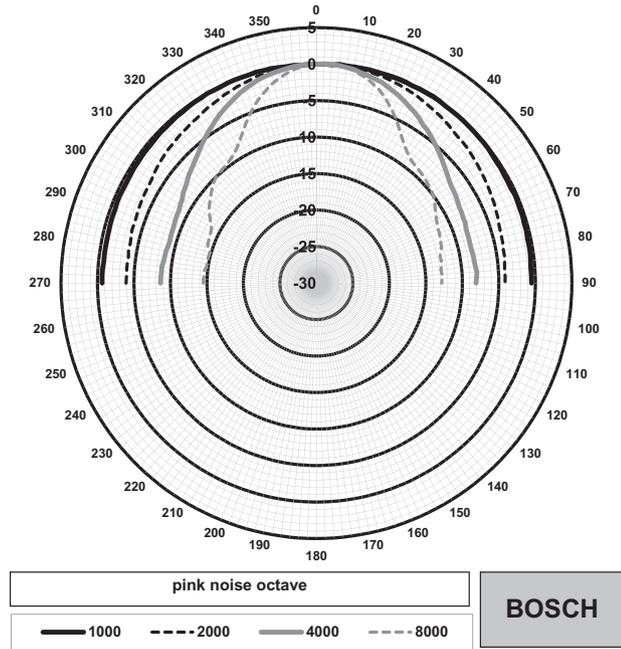


Fig. 4: Normalized polar plot

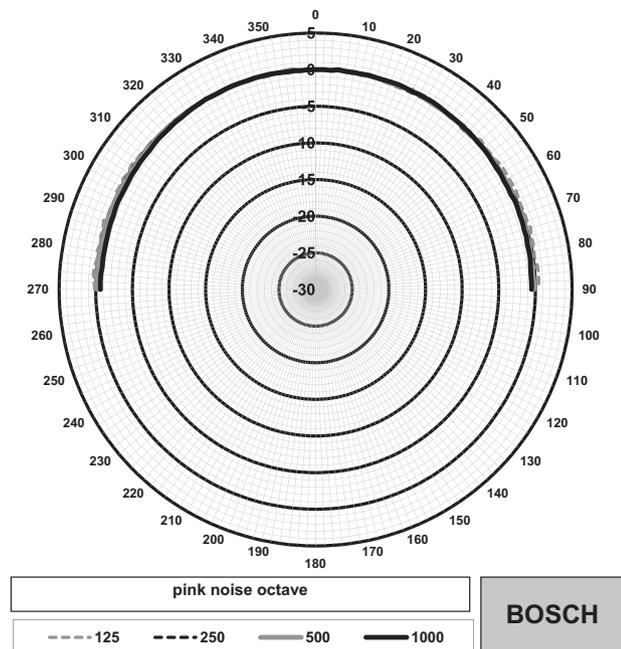


Fig. 5: Normalized polar plot

	Octave SPL 1W/1m	Total octave SPL 1W/1m	Total octave SPL Pmax/1m
125 Hz	88.2	-	-
250 Hz	91.3	-	-
500 Hz	88.4	-	-
1000 Hz	91.4	-	-
2000 Hz	86.6	-	-
4000 Hz	87.3	-	-
8000 Hz	84.0	-	-
A-weighted	-	85.3	90.8
Lin-weighted	-	87.2	92.9

(1/1)th octave band sensitivity

Octave band opening angles

	Horizontal	Vertical	
125 Hz	180	180	
250 Hz	180	180	
500 Hz	180	180	
1000 Hz	180	180	
2000 Hz	180	180	
4000 Hz	89	89	
8000 Hz	52	52	

Acoustical performance specified per octave.* (all measurements are done with a pink noise signal; the values are in dB SPL).

Parts included

Quantity	Component
1	LCZ-UC04S-IN Ceiling loudspeaker 4W, splash proof

Technical specifications

Electrical

Rated Power	4 W
Sound Pressure Level at 4W / 1 W (1 kHz, 1 m)	96.9 dB / 91.4 dB

Octave band sensitivity*

Effective frequency range	85 Hz to 10 kHz (-10dB)
Opening angle (1kHz/4kHz, -6dB)	180° / 89°
Rated Impedance	2500 Ohm
Rated input voltage	100 V
Connector	4 Pole Screw Terminal

Mechanical

Diameter	164 mm
Cutout diameter	142 mm
Depth	64 mm
Weight	0.53 kg
Outdoor Protection	IPx4
Operating temperature	-5 °C to +55 °C
Storage temperature	-40 °C to +70 °C

Ordering information

LCZ-UC04S-IN Ceiling loudspeaker 4W, splash proof

Ceiling loudspeaker 4 W, circular plastic grille, integral clips for easy installation, IPx4 water protected

Order number **LCZ-UC04S-IN | F.01U.294.062**

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