

LD 6 UE/IP55

Ceiling-mounted Loudspeaker



Main features

- Robust industrial technology
- Sturdy and robust design
- Completely closed housing
- IP55 ingress protection
- Good speech intelligibility
- Cable gland M20
- Easy mounting
- Ideal for use in indoor areas

The ceiling-mounted loudspeakers of the LD 6 UE/IP55 series are used together with the INDUSTRONIC communication and public address system. They are ideal for use in indoor areas, e.g. offices, corridors, and workshops. The completely closed housing protects the speakers against the ingress of dirt and dust from behind.

The bipolar connection cable is inserted via a cable gland. The power adjustment is carried out via different tapings on the secondary side of the transformer.

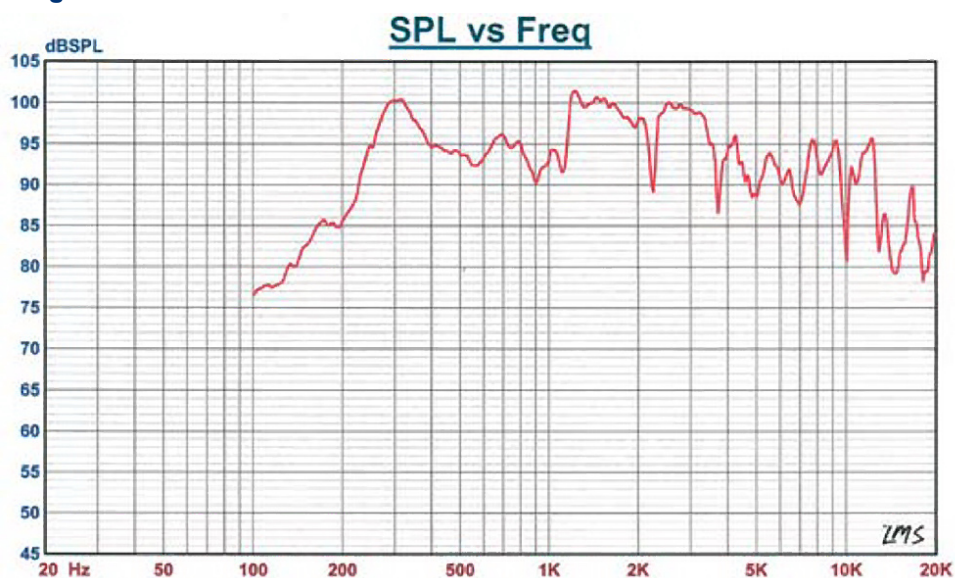
Mechanical data

• Housing	Special plastic
• Cover	Special plastic
• Diameter	Ø 237 mm (9 ¼")
• Installation cut out	Ø 205 mm to 210 mm (8" to 8 ¼")
• Installation depth	133 mm (5 ¼")
• Cable entry	2 x M20
• Cable gland	1 x M20
• Ingress protection	IP55
• Weight	Approx. 1.25 kg (approx. 2.76 lb)
• Color	White
• Connection	Terminals
• Mounting	Ceiling mounting

Electrical data

• Rated power	6 W
• Transformer tapings	100 V: 6 W / 3 W / 1.5 W / 0.5 W
• Sound pressure level 1 W, 1 m	95 dB +/-3 dB
• Sound pressure level 6 W, 1 m	102 dB +/-3 dB
• Frequency range	170 Hz to 20.000 Hz
• Dispersion -6 dB	1 kHz : 140°, 4 kHz: 50°
• Ambient temperature during operation	-20 °C to +90 °C (-4 °F to 194 °F)

Frequency diagram



Measurement conditions

Sound pressure level (SPL): 1 W / 1 m

Pink noise: 1/3 octave filter

Output level related to distance

P _{max} :	Level (dB) at	(-6 dB)	(-12 dB)	(-16 dB)	(-18 dB)	(-22 dB)	(-24 dB)	(-26 dB)	(-28 dB)
	6 W	1 m	2 m	4 m	6 m	8 m	12 m	16 m	20 m
	102	96	90	86	84	80	78	76	74

Polar diagram

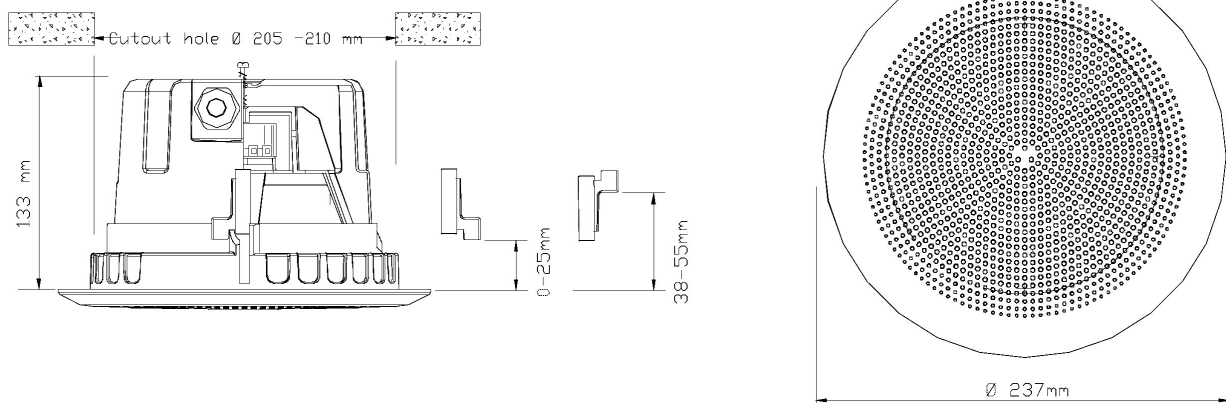
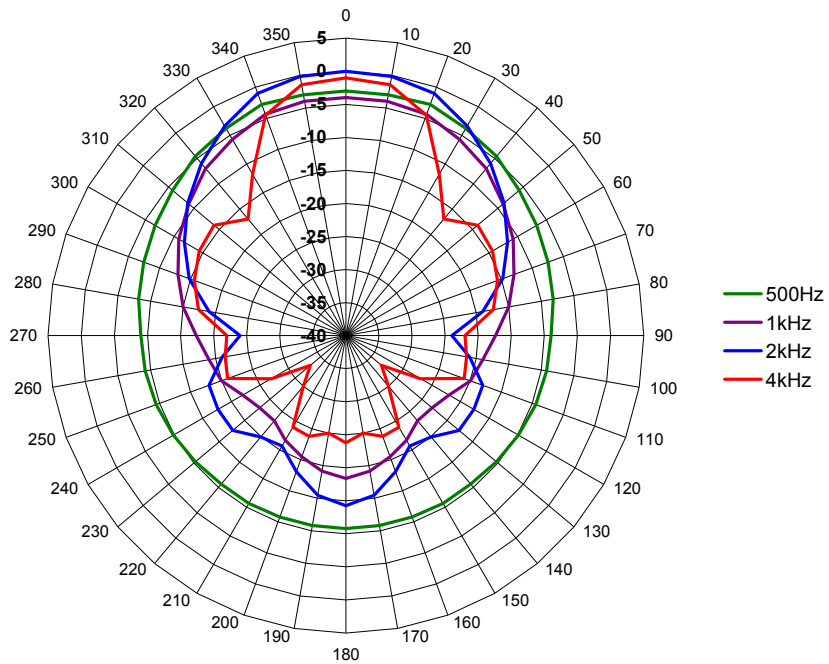


Figure 1: Dimensional drawing LD 6 UE/IP55

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