

# LD 6 UE / 229

## In-ceiling Speaker



### Features and Functions

- Robust industrial technology
- Sturdy design
- Ideal for indoor use
- Easy mounting

The compact in-ceiling speakers of the LD 6 UE / 229 series are used together with the INDUSTRONIC communication and public address system. They are ideal for use in buildings, e.g. offices.

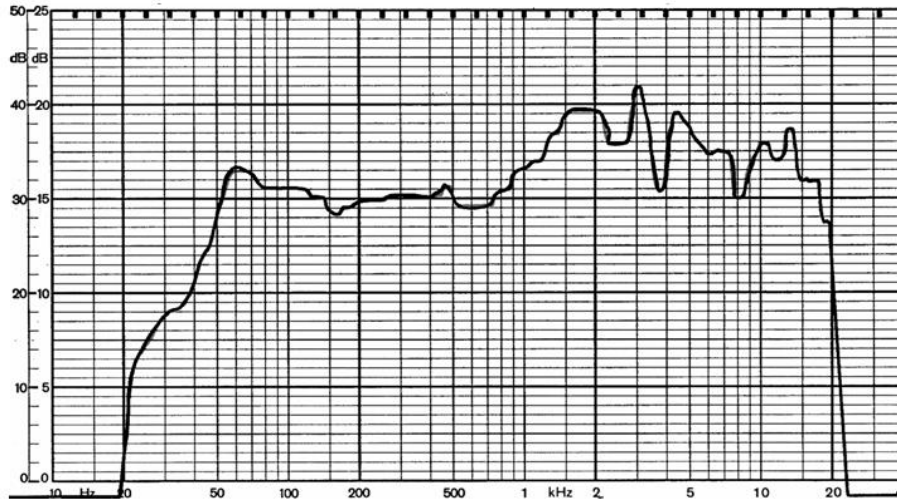
#### Mechanical Data

• Housing	Plastic
• Front grill	Metal, coated
• Diameter x depth	260 mm x 80 mm (10.2" x 3.1")
• Mounting cut-out diameter	229 mm to 243 mm (9" to 9.6")
• Ceiling thickness	1 mm to 20 mm (0.04" to 0.8")
• Connection	Clamps up to 2.5 mm <sup>2</sup>
• Weight	1.7 kg (3.8 lbs)
• Color	White (RAL 9016)
• Mounting	Ceiling-mounted via mounting ring and clamps

#### Electrical Data

• Rated power	6 W
• Transformer tapplings	100 V: 6 W / 3 W / 1.5 W
• Sound pressure level 1 W, 1 m (3.3 ft)	91 dB (+/- 3 dB)
• Sound pressure level 6 W, 1 m (3.3 ft)	99 dB (+/- 3 dB)
• Effective frequency range -3 dB	50 Hz to 18,000 Hz
• Dispersion angle -6 dB	1 kHz: 180°, 4 kHz: 60°, 8 kHz: 50°

### Frequency Diagram



### Measurement Conditions

Sound pressure level (SPL): 1 W / 1 m (3.3 ft)

Pink noise: 1/3 octave filter

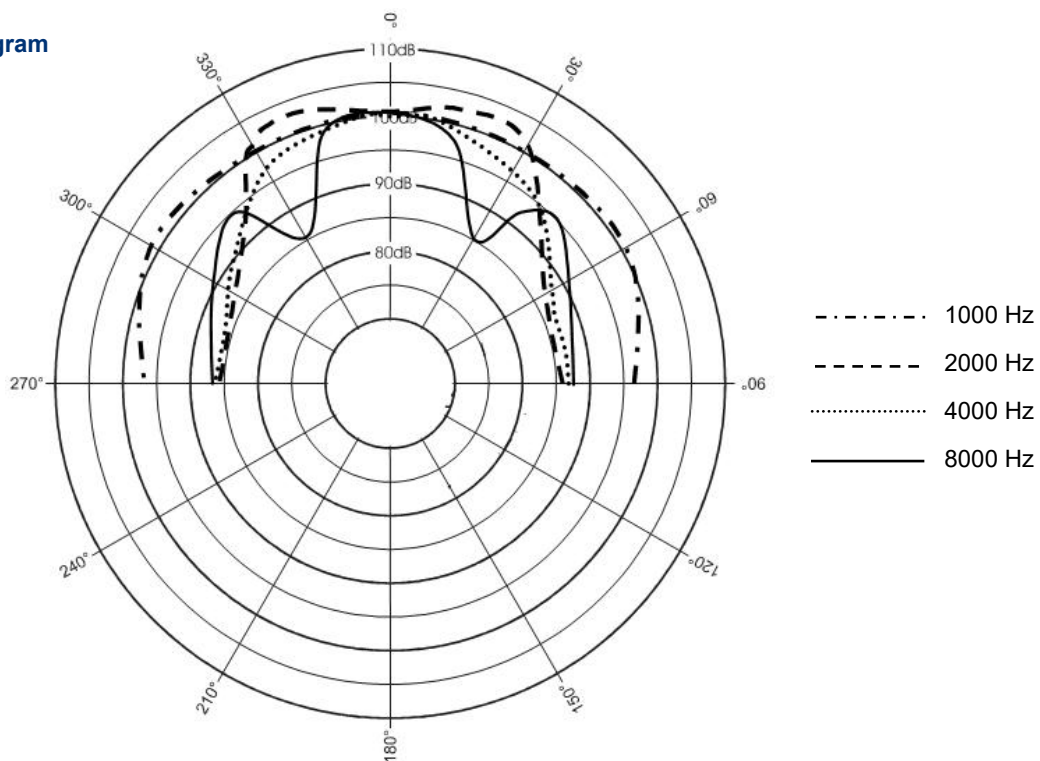
Zero level: 60 dB

Range: 50 dB

### Sound Pressure Level Related to Distance

P <sub>max</sub> :	Level (dB) at	(-6 dB)	(-12 dB)	(-16 dB)	(-18 dB)	(-22 dB)	(-24 dB)	(-26 dB)	(-28 dB)
	6 W	1 m (3.3 ft)	2 m (6.6 ft)	4 m (13.1 ft)	6 m (19.7 ft)	8 m (26.3 ft)	12 m (39.4 ft)	16 m (52.5 ft)	20 m (65.6 ft)
		99	93	87	83	81	77	75	73

### Polar Diagram



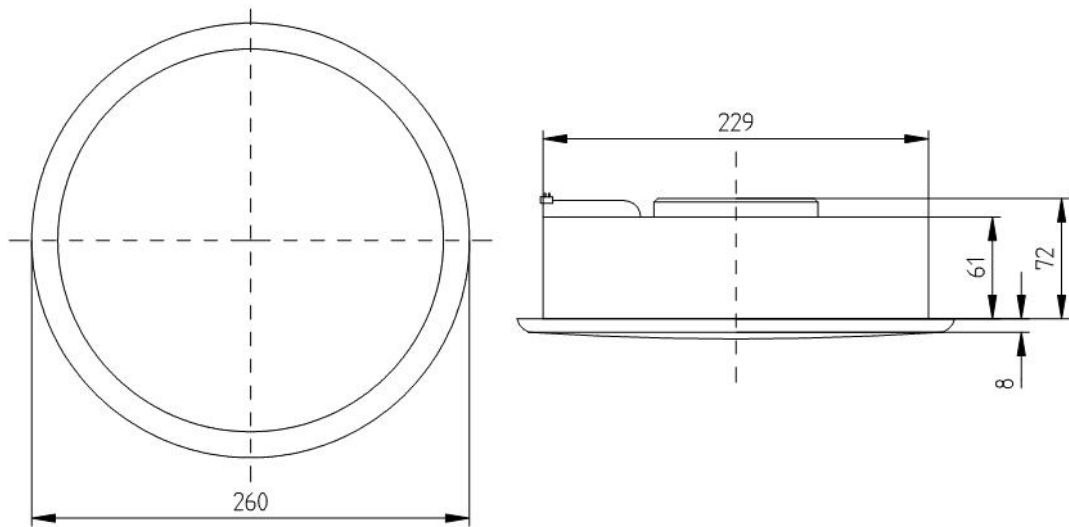


Figure 1: Dimensional drawing LD 6 UE / 229

#### Environmental Requirements and Standards

- Ambient temperature during operation: -20 °C to +50 °C (-4 °F to +122 °F)
- Relative humidity (non-condensing): Max. 95 %

#### Order Data

#### Type Number

001-210-007

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