

LA1-UW36-x Column Loudspeakers

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BOSCH

Invented for life



- ▶ Good speech intelligibility and background music reproduction
- ▶ For applications where directivity is important
- ▶ High sensitivity
- ▶ Swivel wall mounting bracket supplied as standard
- ▶ Available in black or white

The LA1-UW36-x is a 36 W, general-purpose, cost-effective column loudspeaker for indoor use where beaming is desirable, such as places of worship, congress venues, meeting rooms and canteens. A swivel wall mounting bracket is supplied as standard. The column loudspeaker is available in black and white.

Functions

The robust, solid MDF (Medium Density Fiber board) enclosures are covered with a durable, easy-to-clean vinyl in a choice of black or white. The ABS fronts are covered with fine woven cloth in matching color.

These powerful column loudspeakers are fitted with four dual cone high sensitivity loudspeaker drivers.

Certifications and Approvals

All Bosch loudspeakers are designed to withstand operating at their rated power for 100 hours in accordance with IEC 268-5 Power Handling Capacity (PHC) standards. Bosch has also developed the Simulated Acoustical Feedback Exposure (SAFE) test to demonstrate that they can withstand two times their rated power for short durations. This ensures

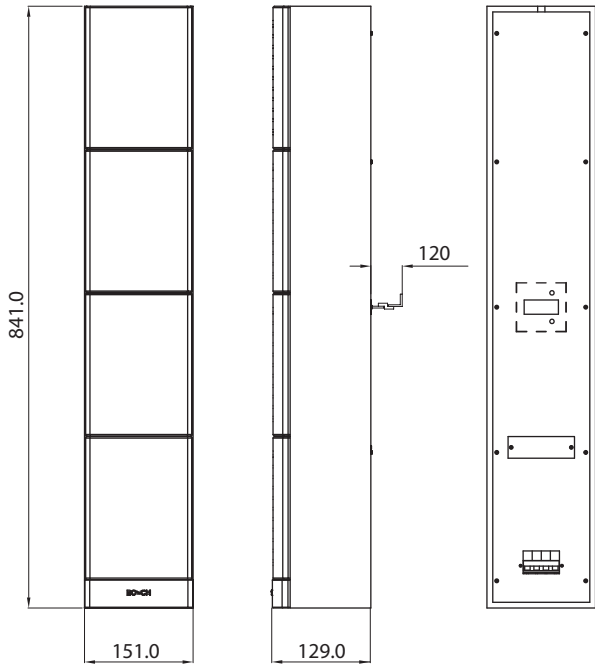
extra reliability under extreme conditions, leading to higher customer satisfaction, longer operating life, and much less chance of failure or performance deterioration.

Safety

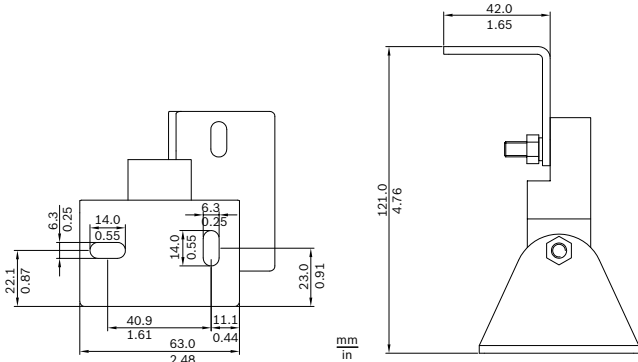
acc. to EN 60065

Installation/Configuration Notes

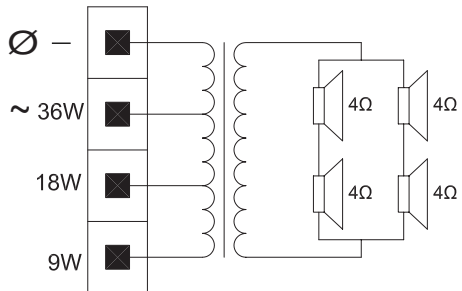
The column loudspeakers can be wall mounted using the supplied swivel bracket, allowing accurate positioning. A convenient, easy-to-use, four-pole push-in terminal block is present on the rear panel for on-site wiring. This terminal block has provision for power tapping on the 100 V, matching transformer in the cabinet. It allows selection of nominal full-power, half-power or quarter-power radiation (in 3 dB steps).



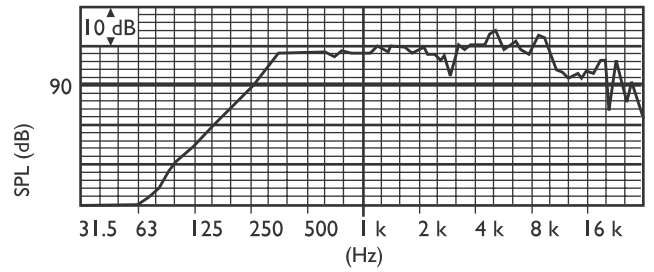
Dimensions in mm



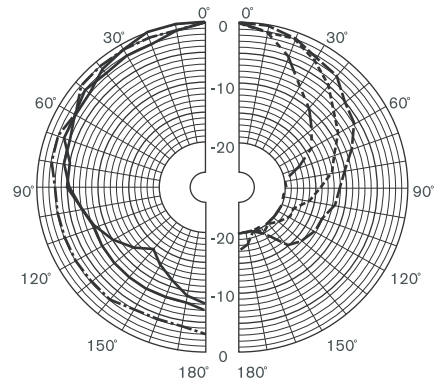
Bracket dimensions



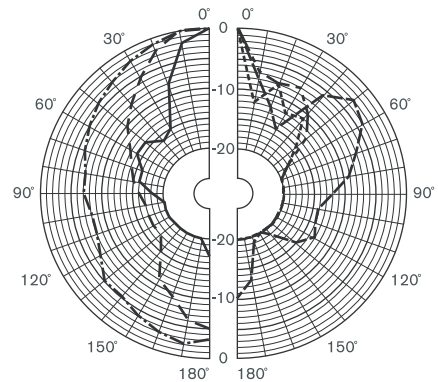
Circuit diagram



Frequency response



Polar diagram horizontal (measured with pink noise)



Polar diagram vertical (measured with pink noise)

Parts Included

| Quantity | Component |
|----------|-------------------------------|
| 1 | LA1-UW36-x Column Loudspeaker |
| 1 | Swivel wall mounting bracket |

Technical Specifications

Electrical*

| | |
|---|-------------------------------|
| Maximum power | 54 W |
| Rated power | 36 / 18 / 9 W |
| Sound pressure level at 36 W / 1 W (1 kHz, 1 m) | 114 dB / 98 dB (SPL) |
| Effective frequency range (-10 dB) | 160 Hz to 19 kHz |
| Opening angle | 1 kHz / 4 kHz (-6 dB) |
| horizontal | 190° / 88° |
| vertical | 30° / 8° |
| Rated input voltage | 100 V |
| Rated impedance | 278 ohm |
| Connector | 4-pole push-in terminal block |

* Technical performance data acc. to IEC 60268-5

Mechanical

| | |
|------------------------|--|
| Dimensions (H x W x D) | 841x 151 x 129 mm (33.1 x 5.9 x 5.1 in) |
| Weight | 6 kg (13.2 lb) |
| Color | Black (D) or white (L) |
| cabinet / cloth (D) | Matches RAL 9004 / RAL 9004 |
| cabinet / cloth (L) | Matches RAL 9010 / RAL 7044 |

Environmental

| | |
|-----------------------|--------------------------------------|
| Operating temperature | -25 °C to +55°C (-13 °F to +131 °F) |
| Storage temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Relative humidity | <95% |

Ordering Information

LA1-UW36-D Column Loudspeaker

36 W, black

Order number **LA1-UW36-D**

LA1-UW36-L Column Loudspeaker

36 W, white

Order number **LA1-UW36-L**

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