

PLP 50EN

CEILING SPEAKER WITH PLASTIC FIRE DOME



DESCRIPTION

The PLP 50EN is a ceiling speaker featuring a flameproof plastic fire dome designed for recess installation in false ceilings or panels. It is especially suitable for broadcasting alarm messages thanks to highly intelligible sound reproduction and is resistant to the high temperatures reached during fires. The terminal connection boards are in ceramic material for input and output flameproof cables. A thermal fuse, protects the integrity of the line in case of heat affecting the speaker. Ground screw. Cables inside speaker made using flameproof leads.

MAIN APPLICATIONS

- Voice evacuation system
- Schools
- Shopping malls
- Hospital
- Museums
- Hotels
- Office building

MAIN FEATURES

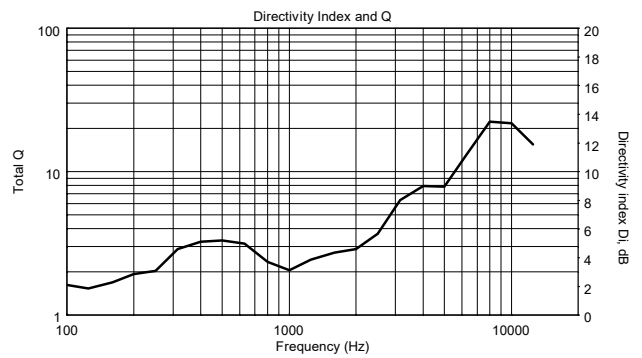
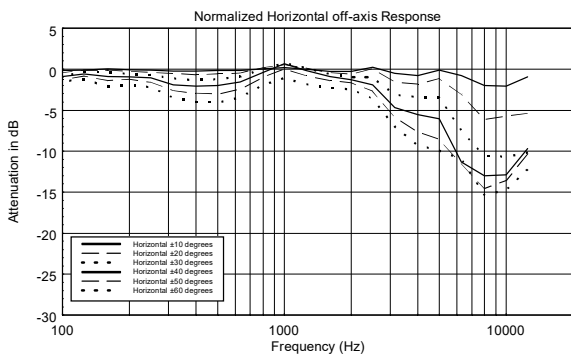
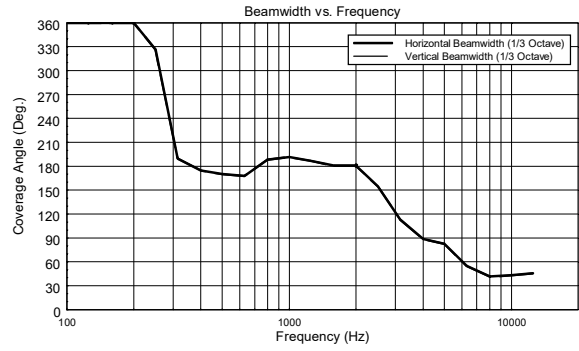
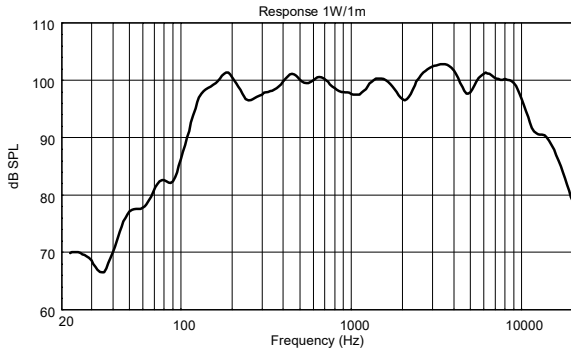
- Speaker for transmitting alarm voice messages with high intelligibility and background music.
- Power (selectable) at 100V: 6W - 3W - 1.5W.
- 5" diameter wide band loudspeaker.
- Plastic protection Fire Dome, terminal strip in ceramic material for connecting flameproof input and output cables, thermal fuse, suitable internal wiring.
- Colour white RAL 9016.

SPECIFICATIONS

Input voltage	100 V – (70 V)
Power	6W - 3W - 1.5W
Input impedance (1 kHz)	1.67 k Ω (6 W) – 3.33 k Ω (3 W) - 6.67 k Ω (1.5 W)
Frequency response	130 Hz ÷ 20 kHz (–10 dB)
Sensitivity	93 dB (1 W, 1 m)
Sound pressure level	101 dB (6 W, 1 m)
Transducer	5"
Material	Grille: steel Dome: plastic
Colour	White RAL 9016
Connector	Ceramic terminal
IP protection grade	IP 40
Dimensions	ø 175 mm (6.89"), h: 71 mm (2.80")
Net weight	0,63 kg (1.39 lb)



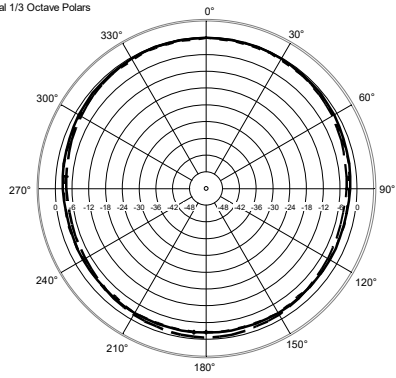
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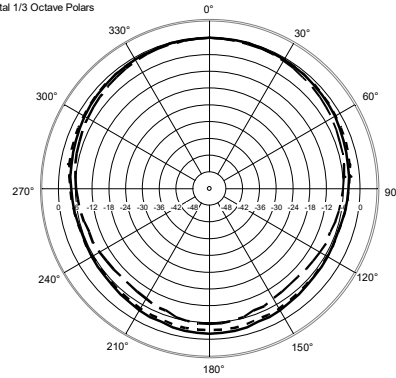
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HORIZONTAL 1/3 POLAR PLOT

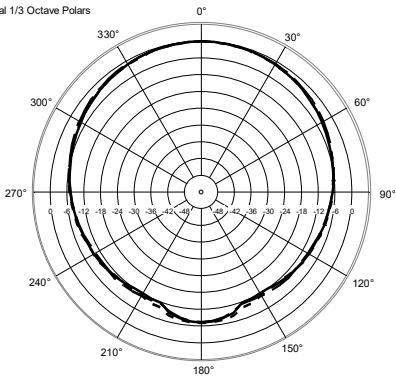
Horizontal 1/3 Octave Polars



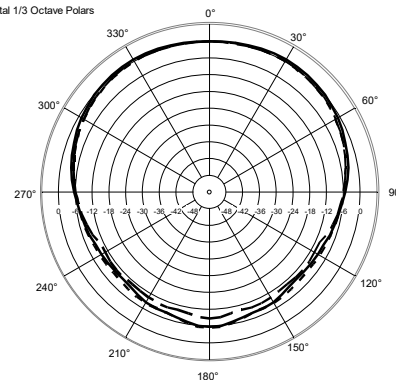
Horizontal 1/3 Octave Polars



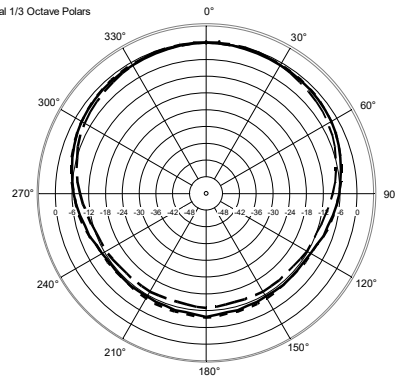
Horizontal 1/3 Octave Polars



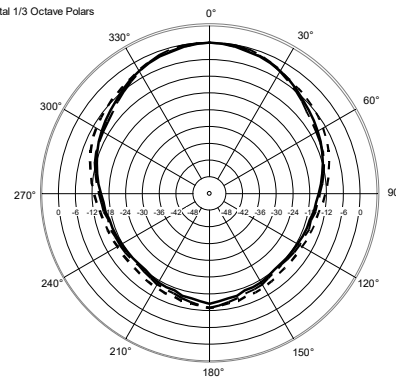
Horizontal 1/3 Octave Polars



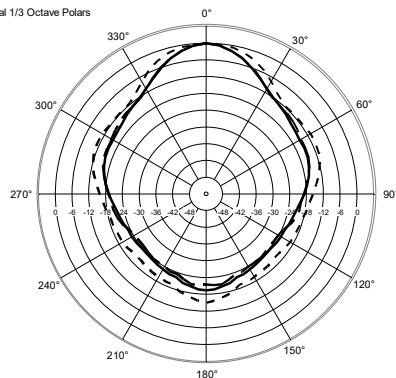
Horizontal 1/3 Octave Polars



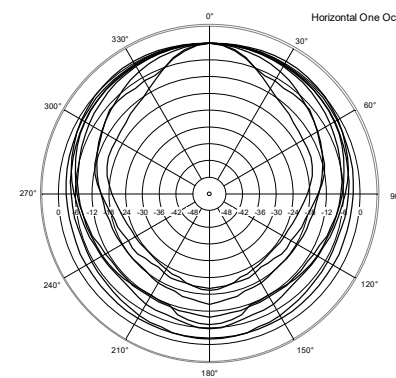
Horizontal 1/3 Octave Polars



Horizontal 1/3 Octave Polars



Horizontal One Octave Polars

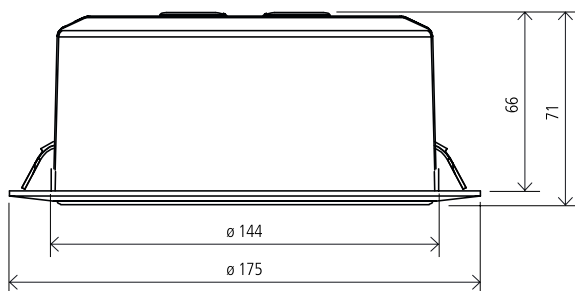


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PART NUMBERS

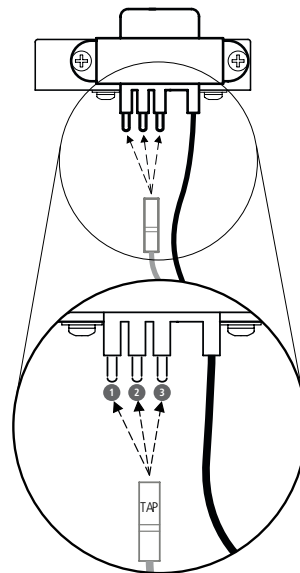
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DIMENSIONS (All data are in mm)

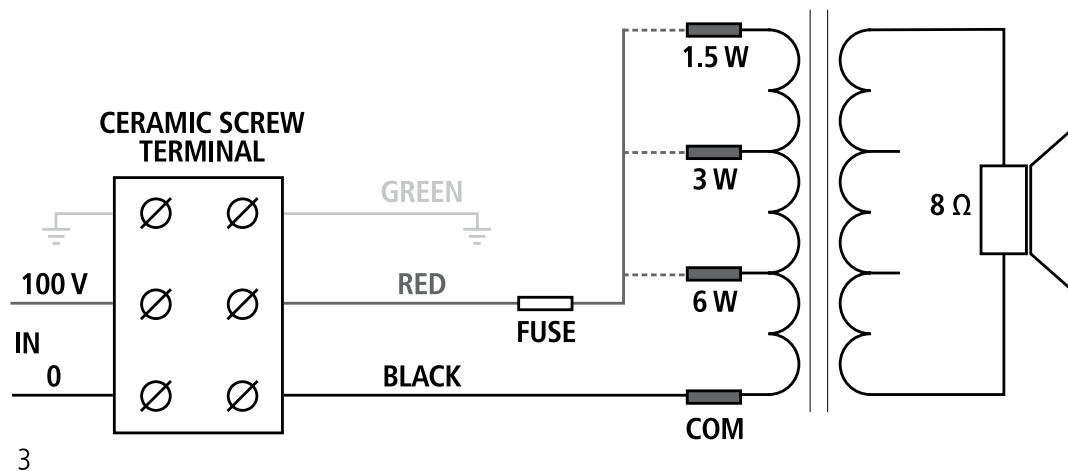


POWER SELECTION

Select the power value among 6 / 3 / 1.5 W (at 100V) on the loudspeaker transformer by linking the red wire to the proper terminal. If the line is 70 V, the power will be halved. Connect the black wire to the transformer COM terminal.



SCHEMATICS



INSTALLATION NOTES

The PLP 50EN is designed for flush-mount installation in false ceilings. Before installing the loudspeaker, make sure there is sufficient space behind the false ceiling panel to hold the speaker: with respect to the support surface of the front flange of the loudspeaker, a free space 90 mm deep is necessary.

CERTIFICATIONS AND APPROVALS

EN 54-24:2008. Fire detection and fire alarm systems. Part 24: Components of voice alarm systems - Loudspeakers.

Certificate: 0068-CPR-051/2017

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