

# PL 70EN

## CEILING SPEAKER FIRE DOME



### MAIN APPLICATIONS

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

### DESCRIPTION

The PL 70 EN is a ceiling speaker featuring a flameproof steel bottom 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 FEATURES

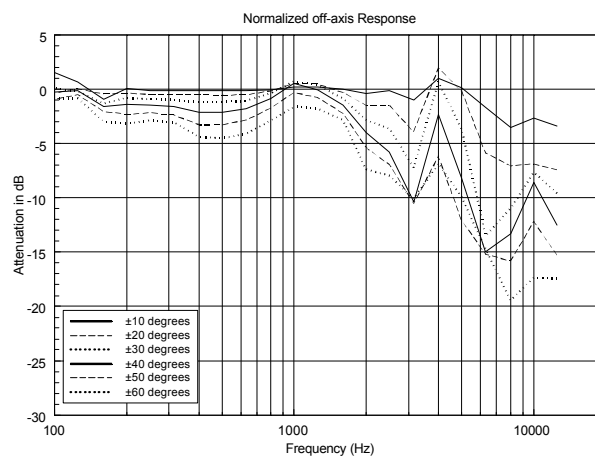
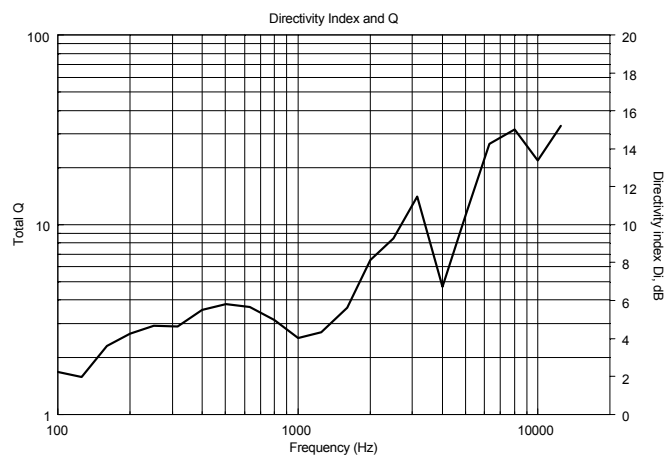
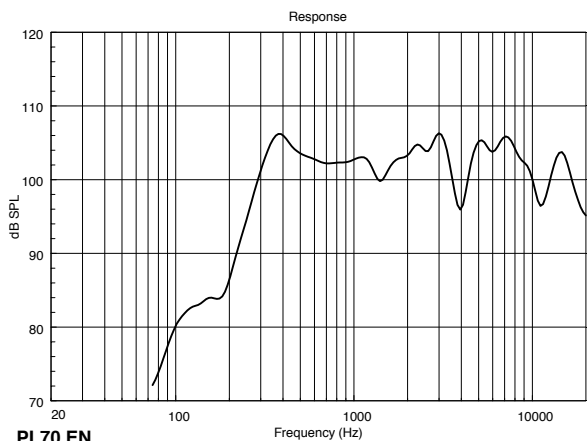
- Speaker for transmitting alarm voice messages with high intelligibility and background music
- Music power/RMS: 24/6W
- 6" diameter dual cone wide band loudspeaker
- Low impedance (8Ω) or 100V
- Steel protection Fire Dome, terminal strip in ceramic material for connecting flameproof input and output cables, thermal fuse, suitable internal wiring
- Conforms to EN 54-24 regulations
- Structure, front grille, and protection cap in steel, RAL 9003 White

### SPECIFICATIONS

Loudspeaker	6" dual cone wide band
Power (on 8 Ohm load)	6 / 24 W (RMS / Music power)
Power	6 W - 3 W - 1.5 W (100V)
Sensitivity	95 dB (1 W / 1 m)
Mx. SPL	109 dB(A) (1 m / POWER MAX)
Frequency Response	145 Hz – 20 kHz
Angle of coverage	150°
Connector	Ceramic terminal block
Body colour	White RAL 9003
Main body material	Extra thick steel
Grill material	Steel
Dimensions	Ø 230 mm x 125 mm
Flush-mounting hole	Ø 218 mm
Max ceiling thickness	30 mm
Net weight	2 kg
Operating temperature	-25° to +55°
Relative humidity	90% non condensing



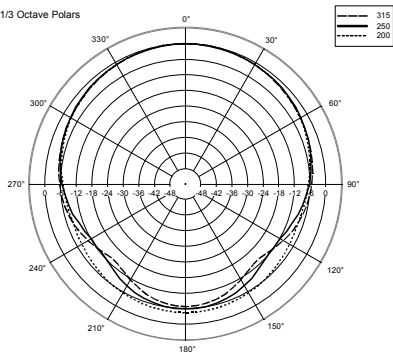
# PL 70EN



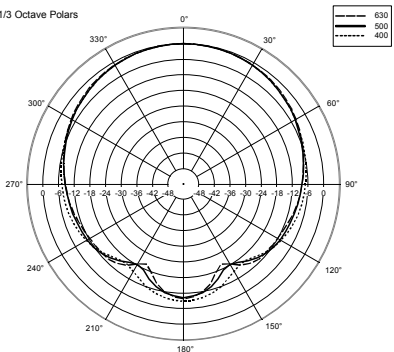
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## HORIZONTAL 1/3 POLAR PLOT

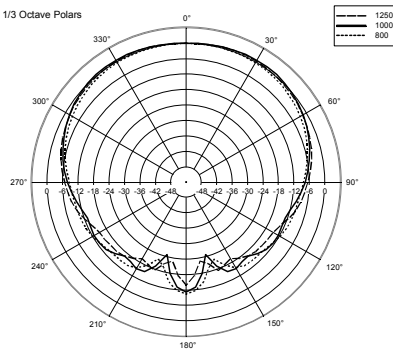
1/3 Octave Polars



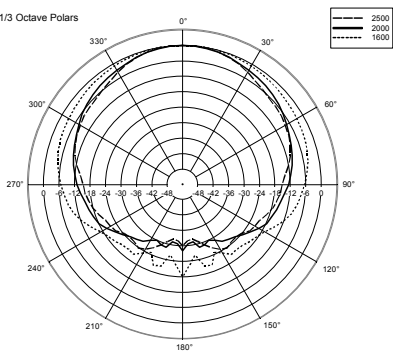
1/3 Octave Polars



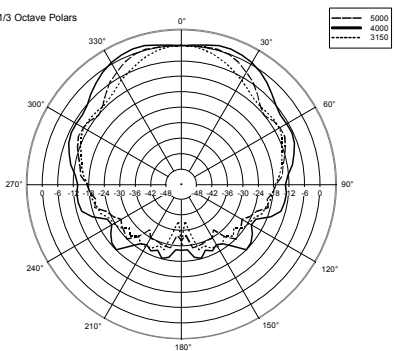
1/3 Octave Polars



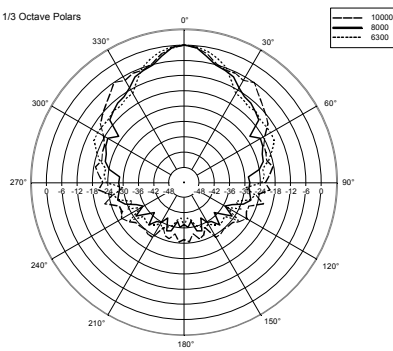
1/3 Octave Polars



1/3 Octave Polars



1/3 Octave Polars

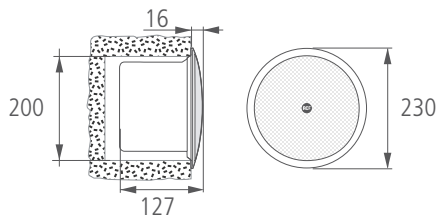


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## PART NUMBERS

13133065

## DIMENSIONS (All data are in mm)

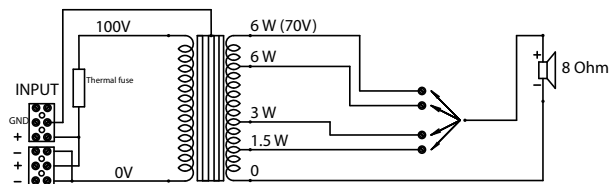


## POWER SELECTION

Set the rotary switch to selected the chosen power value referring to the 100 V line (among 1.5 W – 3 W – 6 W) so the correspondence impedance (among 6666  $\Omega$  – 3333  $\Omega$  – 1666  $\Omega$ ).

	0	100V	0	100V	70V	6W	3W	1.5W	0.75W
INPUT					100V	/	6W	3W	1.5W

## SCHEMATICS



## CERTIFICATIONS AND APPROVALS

- EN 54-24:2008 compliant

## INSTALLATION NOTES

The PL 70EN 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 150 mm (c. 6") deep is necessary. In outdoor use, avoid installing the loudspeaker in places exposed to harsh weather conditions.

