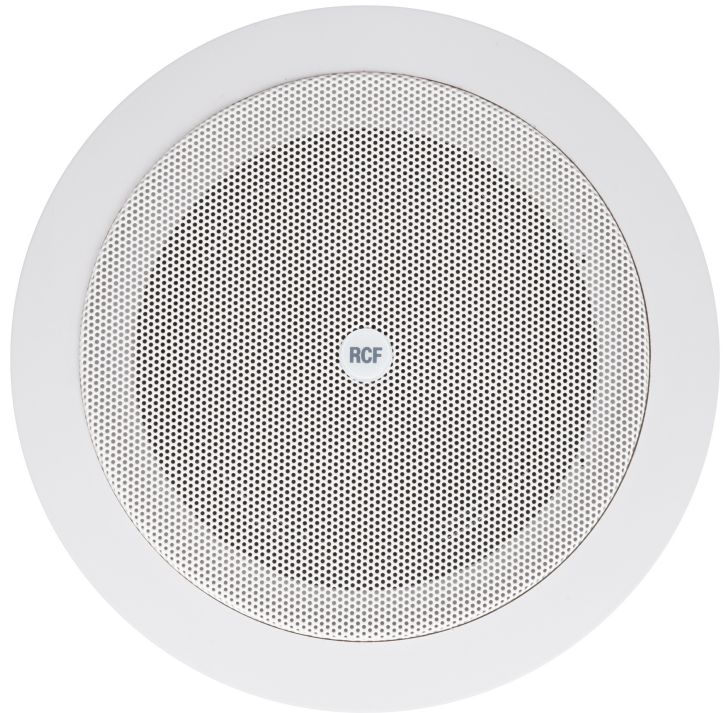


PL 50EN

CEILING SPEAKER WITH FIRE DOME

DESCRIPTION

PL 50EN is a ceiling speaker featuring a flameproof steel back can, designed for recess installation into ceilings or panels. It is especially suitable for broadcasting alarm messages thanks to the highly intelligible sound reproduction and its resistance to high temperatures reached during fires. The terminal connection blocks, for input and output flameproof cables, are made of ceramic material. A thermal fuse protects the integrity of the line in case of heat affecting the speaker. Ground screw available (if needed). Cables inside speaker made using flameproof leads.



FEATURES

- 5" fullrange transducer.
- Power selectable (100 V): 6 W – 3 W – 1.5 W – 0.75 W.
- 92 dB sensitivity.
- Colour white RAL 9016.
- Steel frame, grille and back can.
- In/out ceramic terminal block.
- Thermal fuse protection.

TECHNICAL SPECIFICATIONS**Acoustical specifications**

Frequency Response (-10dB):	130 Hz ÷ 15000 Hz
Max SPL @ 1m:	100 dB
Max SPL @ 4m:	88 dB
Coverage angle:	160°
System Sensitivity:	92 dB
System Sensitivity 1W @ 4m:	80 dB

Power section

Power Handling:	6 W RMS
Peak Power Handling:	24 W PEAK
Recommended Amplifier:	12 W
Protections:	Thermal fuse

Transducers

Fullrange:	5.0"
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Input/Output section

Input connectors:	Ceramic screw terminals
Output connectors:	Ceramic screw terminals
Constant Voltage Transformer:	100 V
Power selection 1 (100 V):	6 W - 1667 ohm
Power selection 2 (100 V):	3 W - 3333 ohm
Power selection 3 (100 V):	1.5 W - 6667 ohm
Power selection 4 (100 V):	0.75 W - 13333 ohm

Standard compliance

EN54-24 certified:	Yes
CE marking:	Yes
CPR number:	0068-CPR-051/2017

Physical specifications

Cabinet/Case Material:	Metal
Hardware:	Steel back cover
Grille:	Steel
Color:	White - RAL 9016

Size

Depth:	143 mm / 5.63 inches
Recessed Depth:	125 mm / 4.92 inches
Diameter:	181 mm / 7.13 inches
Cut out diameter:	155 mm / 6.1 inches
Weight:	1.35 kg / 2.98 lbs

Shipping informations

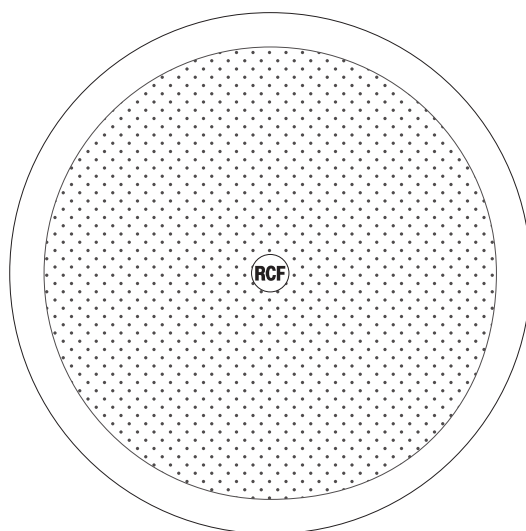
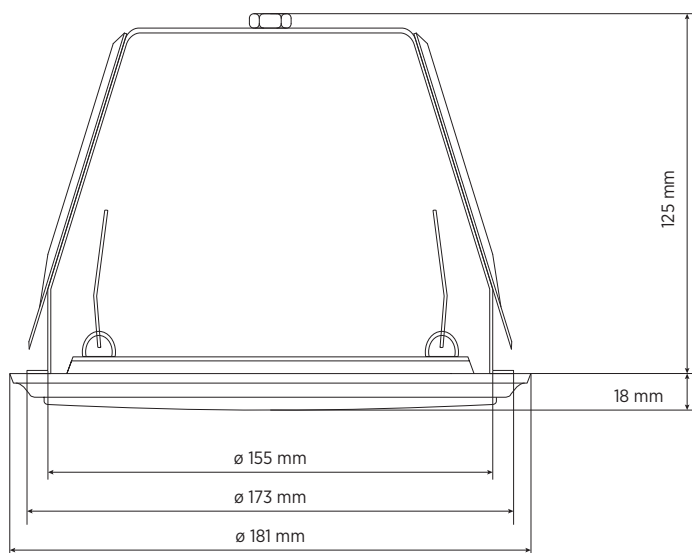
Package Height:	160 mm / 6.3 inches
Package Width:	190 mm / 7.48 inches
Package Depth:	190 mm / 7.48 inches
Package Weight:	1.35 kg / 2.98 lbs

PART NUMBER

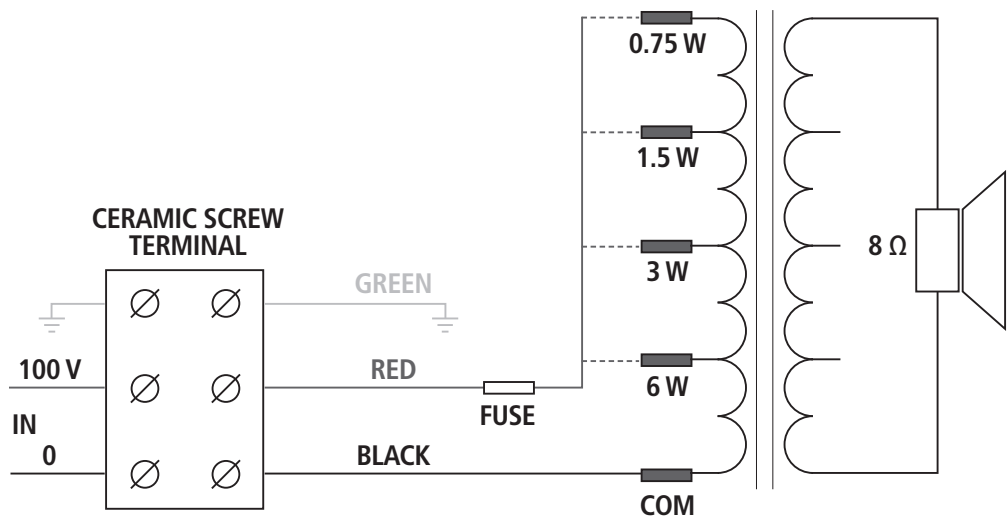
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PL 50EN

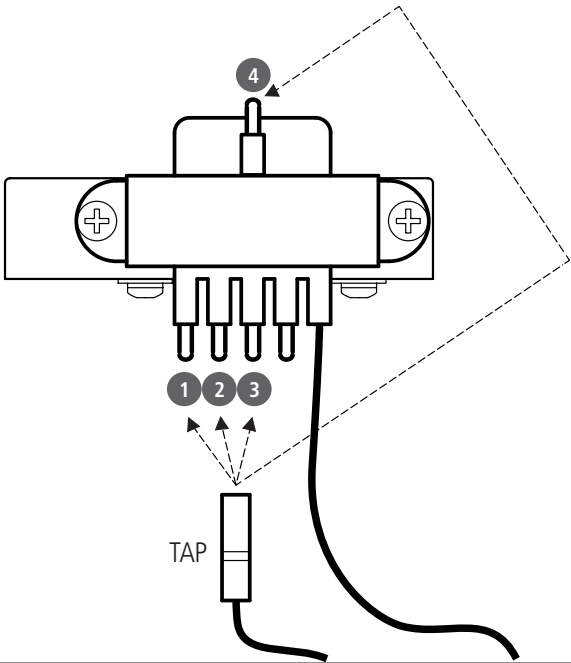
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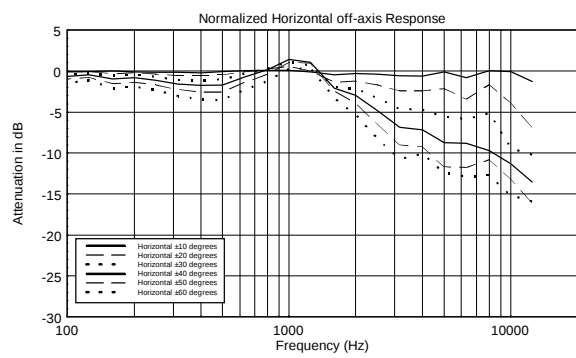
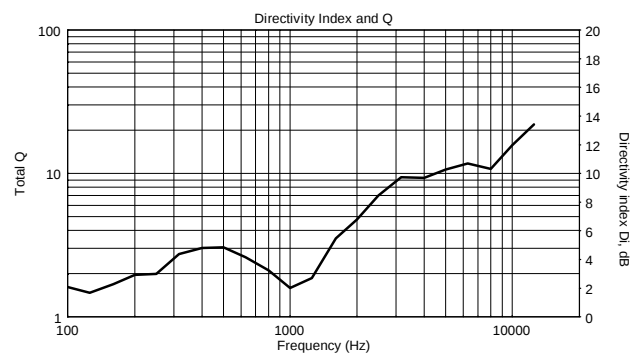
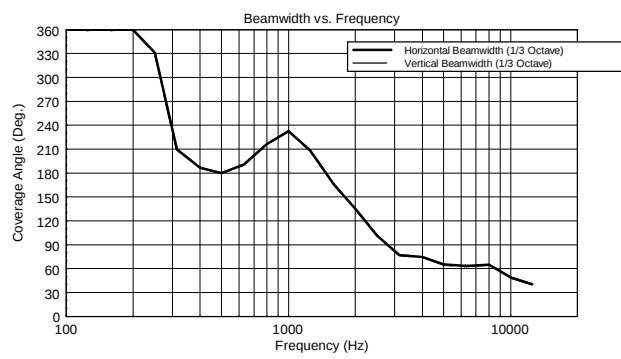
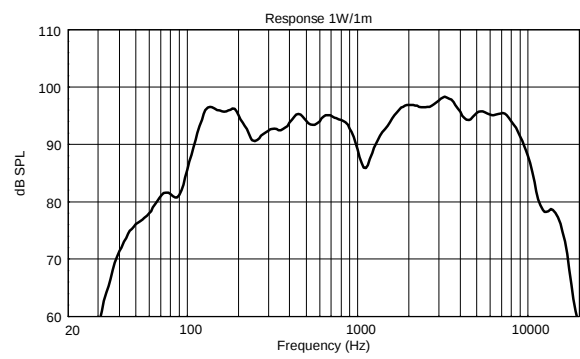
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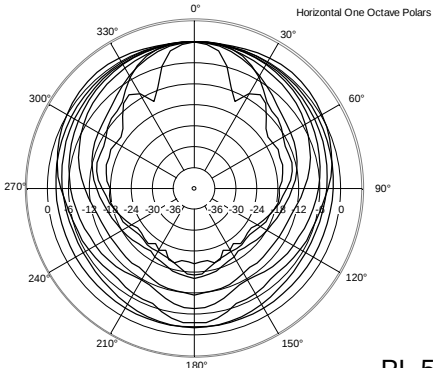
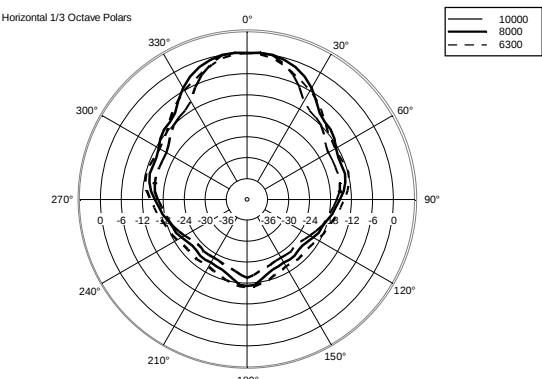
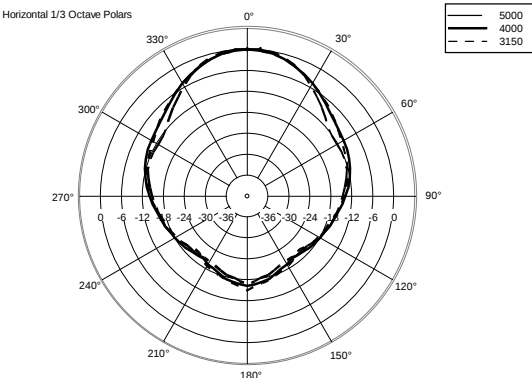
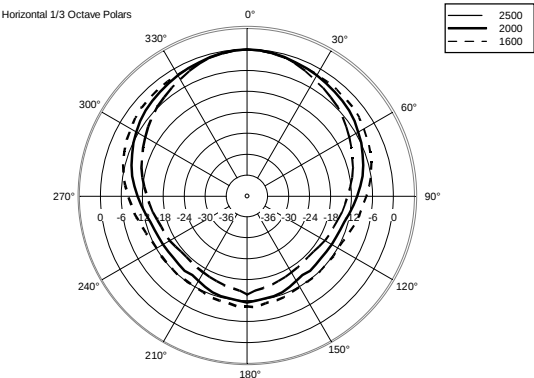
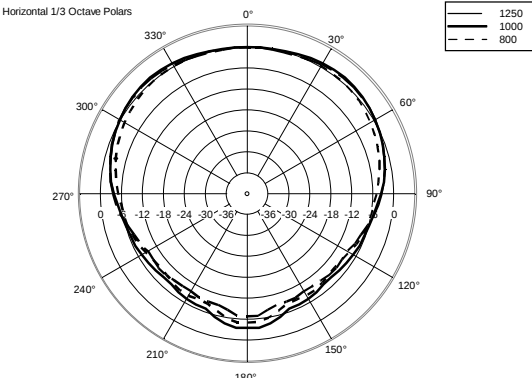
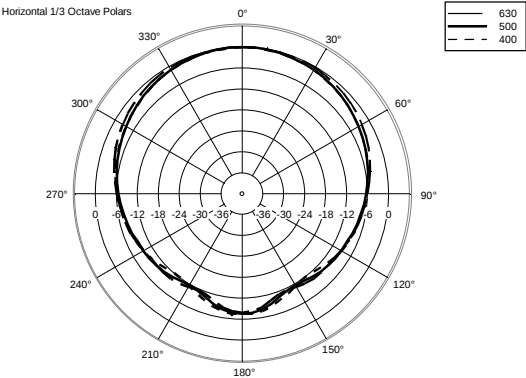
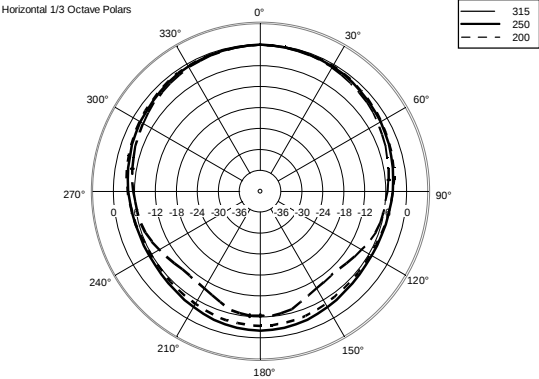
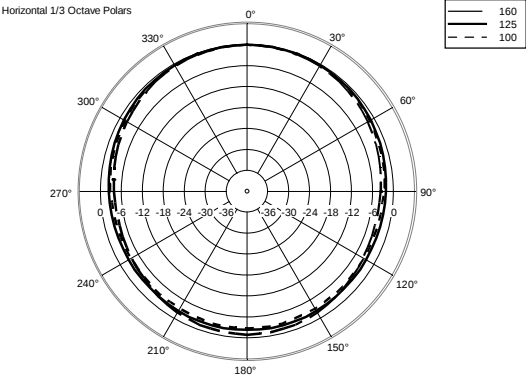
SCHEMATICS



TAP (pins)	POWER (100 V)	POWER (70 V)
1	0.75 W	0.375 W
2	1.5 W	0.75 W
3	3 W	1.5 W
4	6 W	3 W









ACCESSORIES

NOTES

NO CAUTION is NECESSARY in case of ALERTED PERSON for AUDIO voltages up to 120V, when warning symbols are present near the connection terminals. In the case of AUDIO voltages up to 71V, it is not even necessary to put warning symbols.

No need of linking to earth metal parts of speakers equipped with transformers and connected to 70.7 V / 100 V outputs of power amplifiers that do not have any reference to earth (ref. EN 62368-1 item 4.3.2.2), unless specific local requirements.