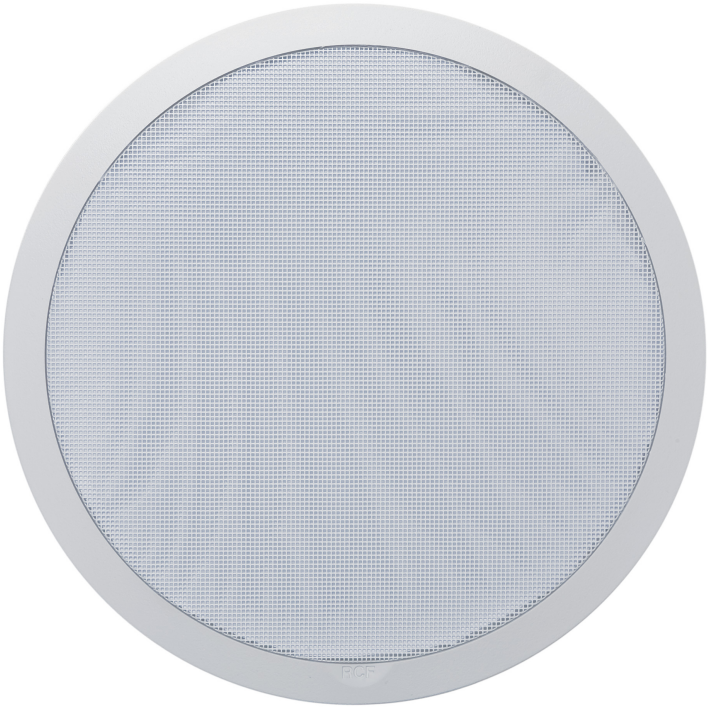
MQ 50C

TWO-WAY CEILING SPEAKER

DESCRIPTION

Compact design, light weight and limited depth makes the MQ 50C a 2-way ceiling speakers ideal for use in any background and foreground music system where a good sound is required. The woofer is a high-excursion, PP coated paper cone with rubber surround design mounted in a tuned enclosure. The fabric dome tweeter is loaded on a constant Q wave guide to provide natural and smooth sound reproduction on a wide dispersion angle. Installation of MQ 50C is fast and efficient thanks to the built-in rotating hooks. No additional brackets or rings or other supports are required: thanks to its lightweight construction the speaker can be mounted as a conventional ceiling speakers. Connections are made on four poles Euroblock connector. Power value can be selected with a rotary switch, accessible behind the grill.



FEATURES

- 5" woofer with 1" dome tweeter
- Power selectable (100 V): 30 W – 20 W – 10 W – 5 W
- 91 dB sensitivity
- Colour white RAL 9016 and black RAL 9005
- Platic frame, alluminium back can and steel grille
- In/out euroblock connectors

TECHNICAL SPECIFICATIONS

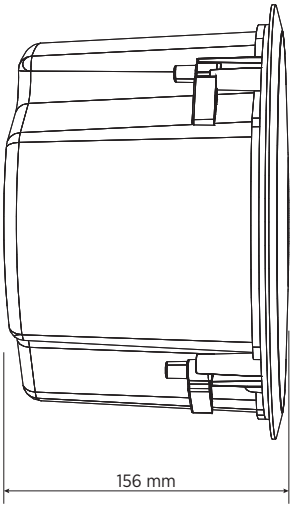
Acoustical specifications	Frequency Response (-10dB):	70 Hz ÷ 20000 Hz
	Max SPL @ 1m:	112 dB
	Coverage angle:	120°
	System Sensitivity:	91 dB
Power section	Nominal Impedance:	16 ohm
	Power Handling:	60 W RMS
	Peak Power Handling:	240 W PEAK
	Recommended Amplifier:	120 W
	Crossover Frequencies:	3000 Hz
Transducers	Dome Tweeter:	1.0" neo
	Woofer:	5.0" neo
Input/Output section	Input connectors:	Euroblock
	Output connectors:	Euroblock
	Constant Voltage Transformer:	100 V
	Power selection 1:	30 W - 333 ohm
	Power selection 2:	20 W - 500 ohm
	Power selection 3:	10 W - 1000 ohm
	Power selection 4:	5 W - 2000 ohm
Standard compliance	CE marking:	Yes
Physical specifications	Cabinet/Case Material:	Plastic
	Grille:	Steel
	Color:	White - RAL 9016, Black - RAL 9005
Size	Depth:	156 mm / 6.14 inches
	Diameter:	266 mm / 10.47 inches
	Cut out diameter:	245 mm / 9.65 inches
	Weight:	2.1 kg / 4.63 lbs
Shipping informations	Package Height:	235 mm / 9.25 inches
	Package Width:	310 mm / 12.2 inches
	Package Depth:	310 mm / 12.2 inches
	Package Weight:	2.99 kg / 6.59 lbs

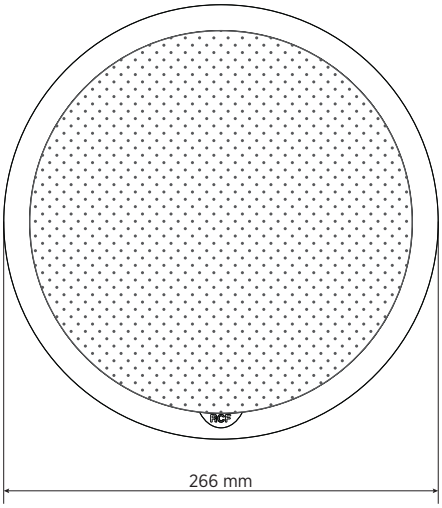
PART NUMBER

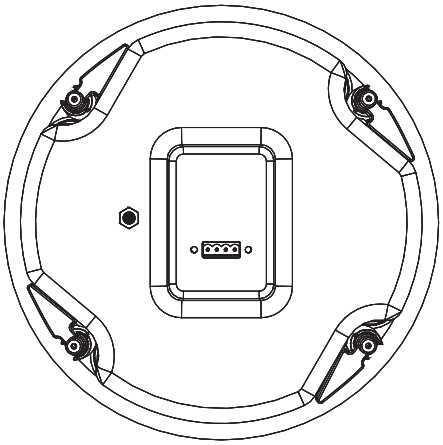
- **13100089**
  MQ 50C B
  Black - RAL 9005
  EAN 8024530018481
- **13000081**
  MQ 50C W
  White - RAL 9016
  EAN 8024530005368

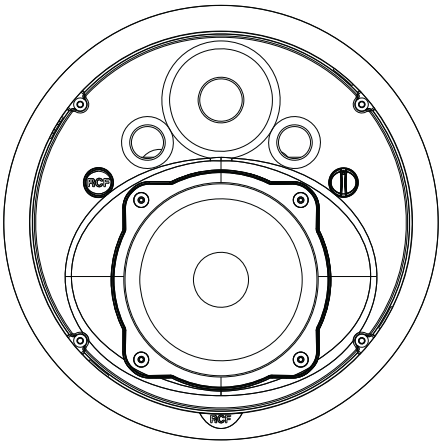
RCF products are continually improved. All specifications are therefore subject to change without notice.

DRAWINGS

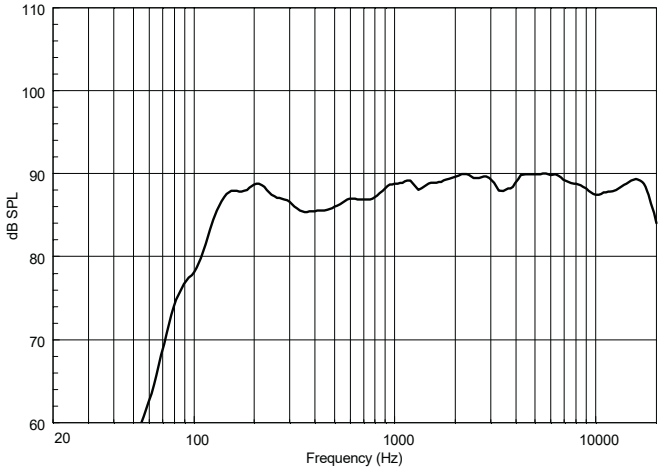




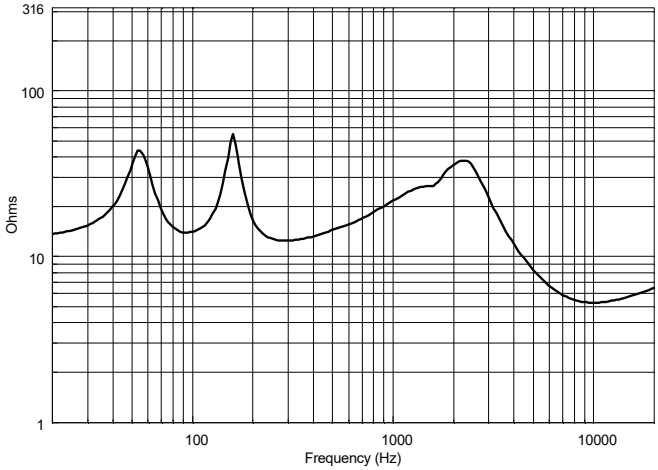




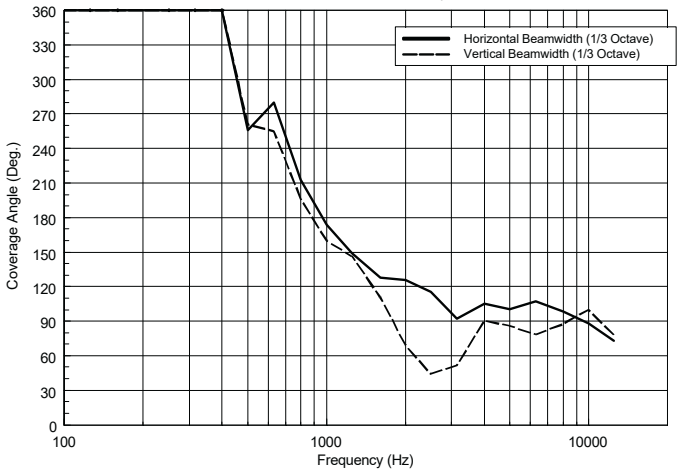
Response 1W/1m



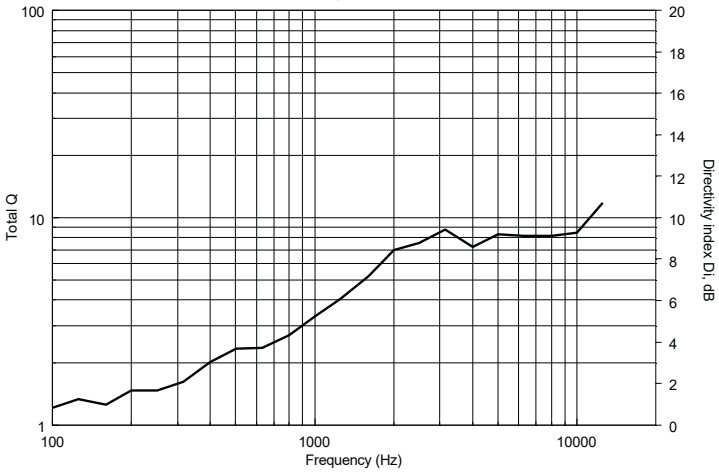
Impedance



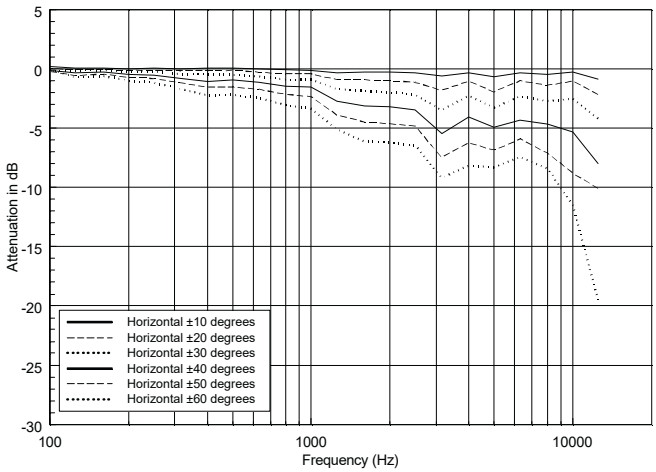
Beamwidth vs. Frequency



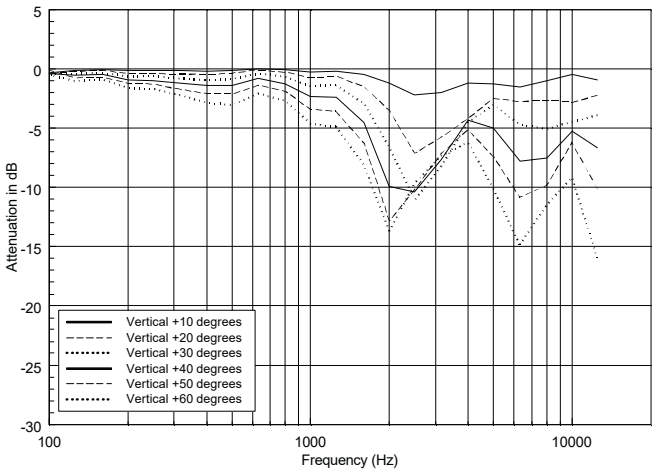
Directivity Index and Q



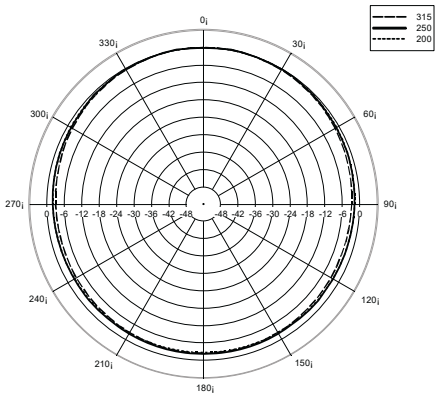
Normalized Horizontal off-axis Response

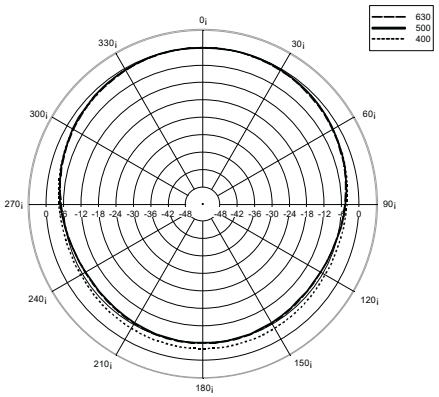


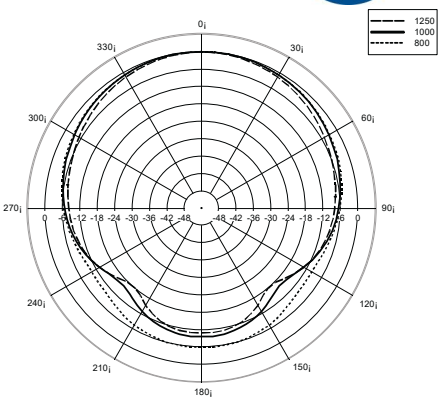
Normalized Vertical off-axis Response. Above the box

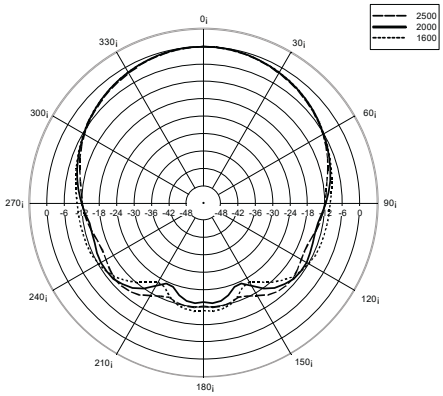


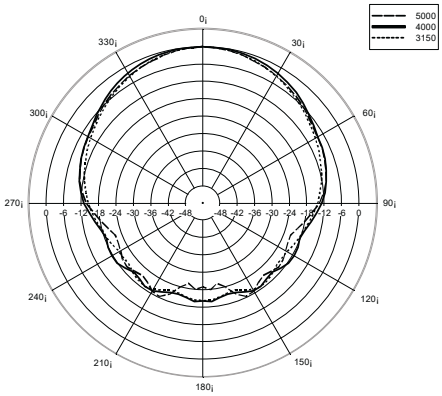
Horizontal 1/3 Polar Plot

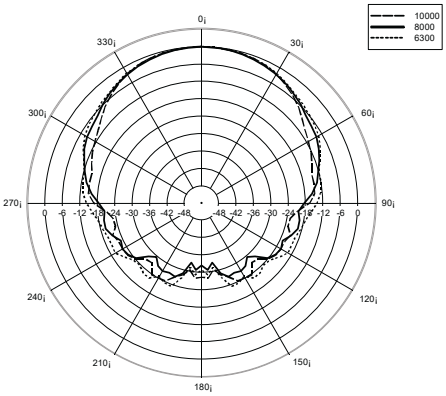




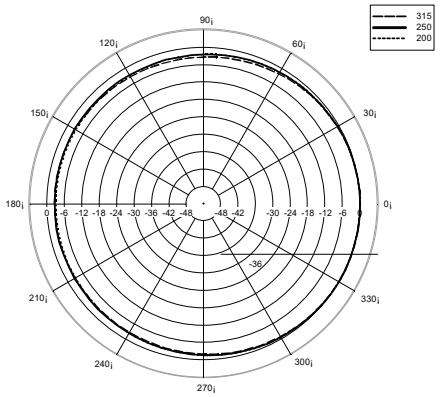


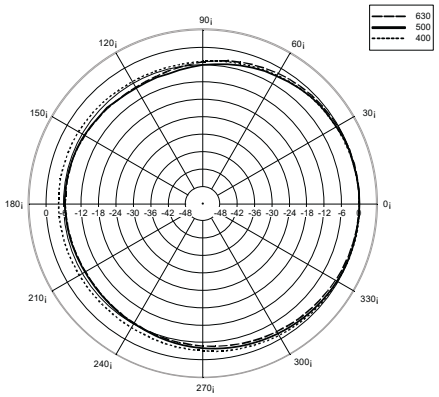


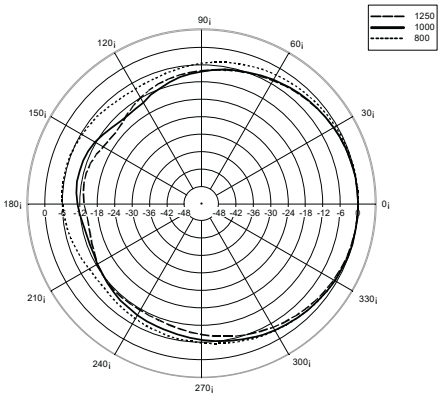


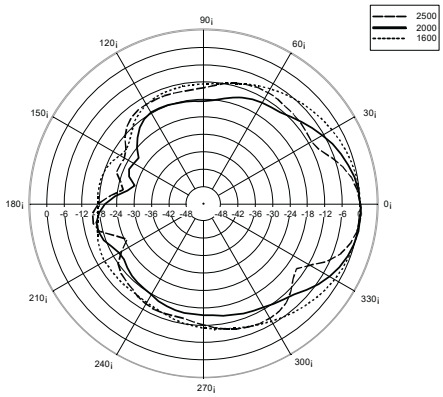


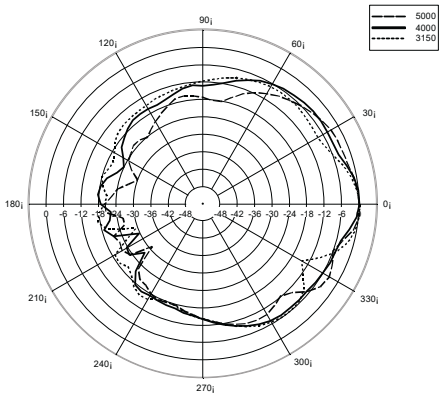
Vertical 1/3 Polar Plot

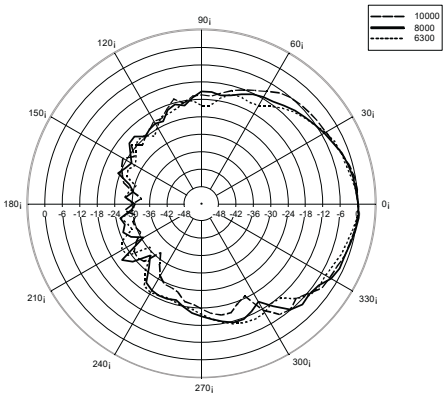












A&E SPECIFICATIONS

The product shall be a two-way flush-mounting ceiling speaker with backcan suitable for a wide range of applications. It shall be elegant and compact with accurate finishing, suitable for almost any environment, even with architectural constraints.
It shall be light and with limited depth, ideal for use in any background and foreground music system where a good sound is required.
Its woofer shall be a high excursion polypropylene coated paper cone with rubber surround design mounted in a tuned enclosure. Its fabric dome tweeter shall be loaded on a constant Q wave guide to provide natural and smooth sound reproduction on a wide dispersion angle.
Its installation shall be fast and simple thanks to the built-in rotating hooks. No additional brackets or rings or other supports shall be required. Thanks to its lightweight construction, it can be mounted as conventional ceiling speakers.
The connection shall be simple and safe thanks to a removable four-pole Euroblock connector.
Power value selection shall be made with a rotary switch, accessible behind the front grille.
It shall include an internal transformer that allows the connection to 70 / 100 V constant voltage lines.