

NIC-3

LOUDSPEAKERS

In-ceiling / In-wall Loudspeaker



PRODUCT OVERVIEW

NIC-3 is a 1-way in-ceiling / in-wall loudspeaker designed for 70/100 V line and low-impedance sound systems, delivering 20 W RMS and featuring a 3" full-range woofer for compact, discreet installations requiring high intelligibility and balanced sound.

As part of the NIC Series, NIC-3 benefits from an acoustic back-can with resonator design, helping to enhance low-frequency response while minimising unwanted resonances and coloration when installed in lightweight or suspended ceilings.

The loudspeaker is IP66 rated, making it suitable for humid or dusty environments, and features a frameless aluminium front grill with bayonet fixing for fast installation and a clean, minimalist aesthetic. The removable Ecler logo allows discreet visual integration.

APPLICATIONS

- Retail
- Hospitality
- Education
- Corporate
- Leisure
- Sport & Wellness

ACCESSORIES & COMPATIBLE PRODUCTS

- NICRG3BK

TECHNICAL SPECIFICATIONS

NIC-3

System	
Effective frequency range ¹	112Hz-20kHz (-10dB)
Coverage angle ²	172° conical
Continuous Power handling ³	20W
Program Power Handling ⁴	40W
Peak Power Handling ⁵	80W
On-axis Sensitivity ⁶	85dB
Maximum SPL ⁷	95dB continuous / 101dB peak
Power options	20W - 8Ω / 10W-100V-70V
Recommended amplifier power	40W RMS
Transducers	
Configuration	1-ways full range
Low frequency driver	3" Woofer
Nominal impedance	8Ω
Physical	
Connection type	4-pin Euroblock connector, mounted on the rear of the baffle. Accepts cable sizes from 18 AWG (0.8 mm²) to 14 AWG (2.5 mm²)
Installation options	In-ceiling / In-wall
Enclosure material	ABS plastic
Environmental	IP66
Grill material	Aluminium
Grill fixing system	Bayonet
Mounting system	2 rotating tabs
Operating temperature	Min: -30°C / -22°F Max: 65°C / 149°F
Operating humidity	<85% HR
Storage temperature	Min: -30°C / -22°F Max: 65°C / 149°F
Storage humidity	<85% HR
External diameter	113.5 mm / 4.47 in.
Internal diameter	97 mm / 3.82 in.
Recommended cut out diameter	100 mm / 3.94 in.
Required depth	>120 mm / >4.72 in.
Ceiling thickness	Min: 10 mm / 0.39 in. Max: 60 mm / 2.37 in.
Included accessories	4-pin connector, 1 cutting template
Optional accessories	NICRG3BK (Grille Black accessory RAL 9005)
Finished colour	White (RAL 9003)
Dimensions (WxHxD)	113.5 x 113.5 x 95 mm / 4.47 x 4.47 x 3.74 in.
Weight	0.54 Kg / 1.19 lb
Pieces per box	1
Shipping dimensions (WxHxD)	155 x 145 x 145 mm. / 6.10 x 5.71 x 5.71 in.
Shipping weight	0.86 Kg / 1.90 lb

⁽¹⁾ Measured frequency range within -10dB of the 1kHz octave band level, according to IEC 60268-5.

⁽²⁾ Beamwidth defined at -6 dB relative to the on-axis sound pressure level, using the maximum value within the 1kHz to 4kHz range.

⁽³⁾ RMS input power applied via IEC shaped band-limited pink noise for 2 hours, per AES2 power handling standard.

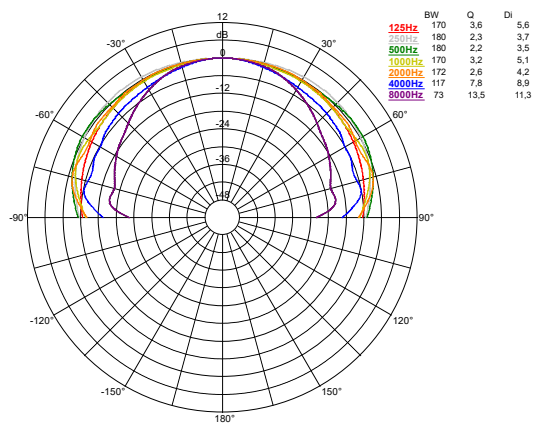
⁽⁴⁾ Conventionally 3 dB higher than the RMS measure, intended to represent real music signals.

⁽⁵⁾ Corresponds to the signal crests for the test described in (3).

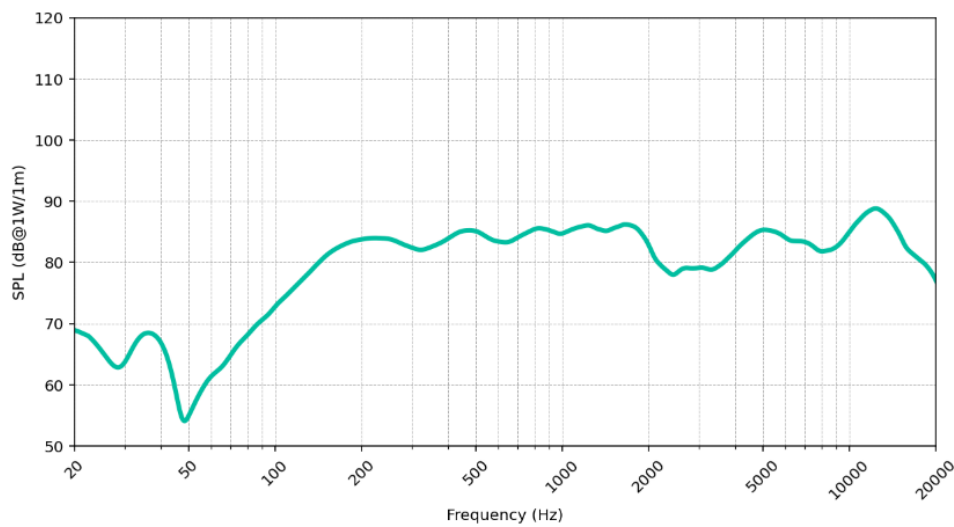
⁽⁶⁾ Sound pressure level at 1m with 1W input at nominal impedance under half-space radiation conditions.

⁽⁷⁾ Calculated.

POLAR DIAGRAMS



FREQUENCY RESPONSE ON-AXIS



MECHANICAL DIAGRAM

