

# 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 <sup>1</sup>	112Hz-20kHz (-10dB)
Coverage angle <sup>2</sup>	170° conical
Continuous Power handling <sup>3</sup>	20W
Program Power Handling <sup>4</sup>	40W
Peak Power Handling <sup>5</sup>	80W
On-axis Sensitivity <sup>6</sup>	85dB
Maximum SPL <sup>7</sup>	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	Clip-Type input terminals
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
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

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

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

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

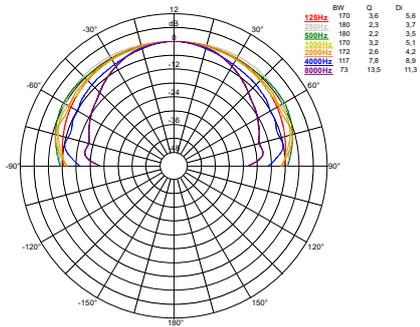
<sup>(4)</sup> Conventionally 3 dB higher than the RMS measure, intended to represent real music signals.

<sup>(5)</sup> Corresponds to the signal crests during for the test described in (3).

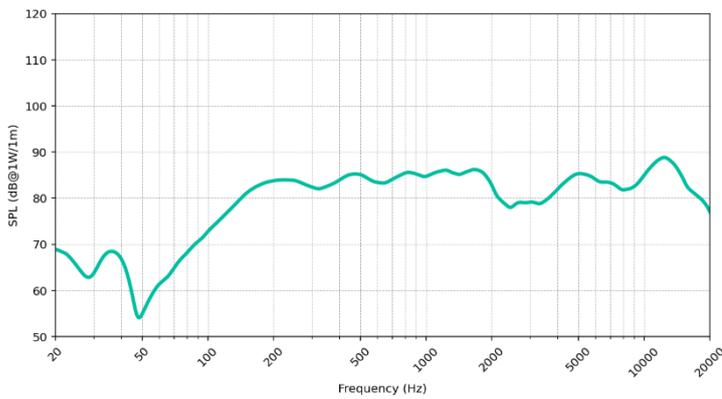
<sup>(6)</sup> Sound pressure level at 1m with 1W input at nominal impedance under half-space radiation conditions.

<sup>(7)</sup> Calculated.

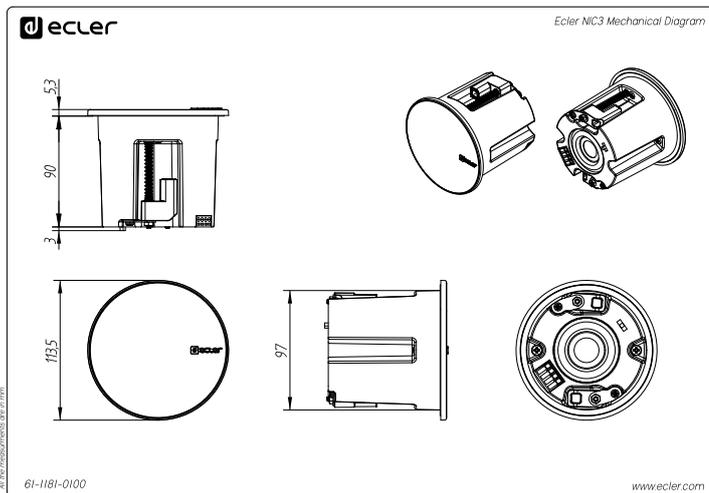
POLAR DIAGRAMS



FREQUENCY RESPONSE ON-AXIS



MECHANICAL DIAGRAM



All product characteristics are subject to variation due to production tolerances. **NEEC AUDIO BARCELONA S.L.** reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

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