

The NB-50TN is a high-performance 2-way coaxial ceiling speaker with 6W power, specially designed for clean and humid environments, even seawater installations. Additionally, thanks to its IP54 protection, it can be used outdoors without any issues. Its lightweight frameless design makes it elegant, allowing it to blend easily with most spaces, such as hotels, shopping malls, conference rooms, and exhibition halls. Its moisture sealing allows installation in wet environments such as bathrooms or swimming pools.

This loudspeaker complies with the EN 54-24 voice alarm standard.



Features of NB-50TN:

- EN54-24 certified.
- Specially designed for clean room applications.
- Suitable for humid environments.
- Seawater resistant.
- IP54 protection grade against elements.
- Manufactured in fire-resistant ABS UL94-5VB.
- Frameless lightweight design.
- Protective dome.
- Removable cover for connection and wiring
- Suitable for all types of ceiling

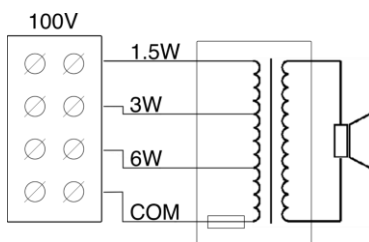
Technical specifications:

Model	NB-50TN			
Speaker diameter	5"			
Maximum Power	9W			
Nominal Power	6Wrms			
Connection @ 100 V	6W / 3W / 1.5W			
Connection @ 70 V	3W / 1.5W / 0.75W			
SPL (Pmax / 1m)	96dB +/- 1dB			
SPL (1W / 1m)	88dB +/- 1dB			
SPL (1W / 4m)	76dB +/- 1dB			
Frequency Response (- 10 dB)	130Hz – 14kHz			
Dispersion (-6 dB)	500Hz	1000Hz	2000Hz	4000Hz
	180°	170°	180°V	80°H 85°V
Nominal voltage	100V / 70V			
Nominal impedance	1.6kΩ / 3.3kΩ / 6.7kΩ			
Connection	Ceramic terminal. Max Section 2.5mm ²			
Thermal fusion	115°			
Dimensions	Ø 192mm x 113mm			

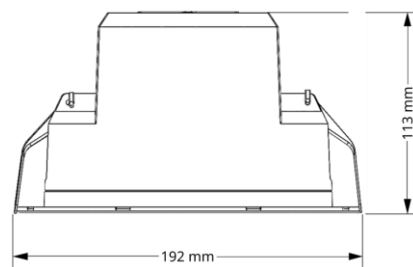
Installation drill	Ø 170mm
Colour	Weiß (RAL 9016) / Red (RAL 3000)
IP protection	IP44 (type B EN54-24)
Net weight	0,68kg

- The reference axis is perpendicular to the center point of the grid
- The reference plane is perpendicular to the center of the reference axis
- The horizontal plane is perpendicular to the center of the reference plane
- Acoustic measurement environment used: Standard acoustic screen in anechoic cham

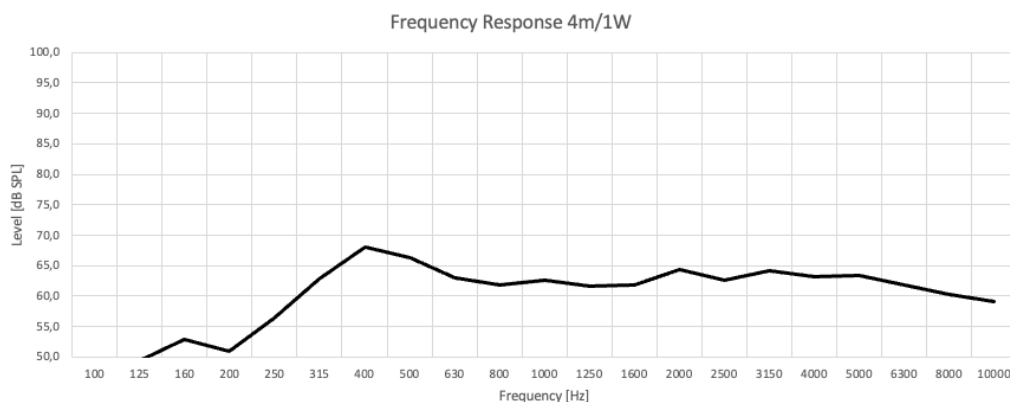
Circuit diagram:



Main mechanical views:



Frequency response:



Installation:

1. Cut a hole in the false ceiling through the proper diameter.
2. Unscrew the rear cap situated on the cover. Fill the wire through the rubber cable grommet and the cap.
3. Make the connection and select the desired tapping power. Protect the installation wire using the included rubber cable guide. Screw again the rear cap on the cover.
4. Then, compress the anchor springs towards the top side and introduce the unit in the hole made in step 1.

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