

## Datasheet

### quadral In-Ceiling 7 Speaker

Part No: 100497



## About the product

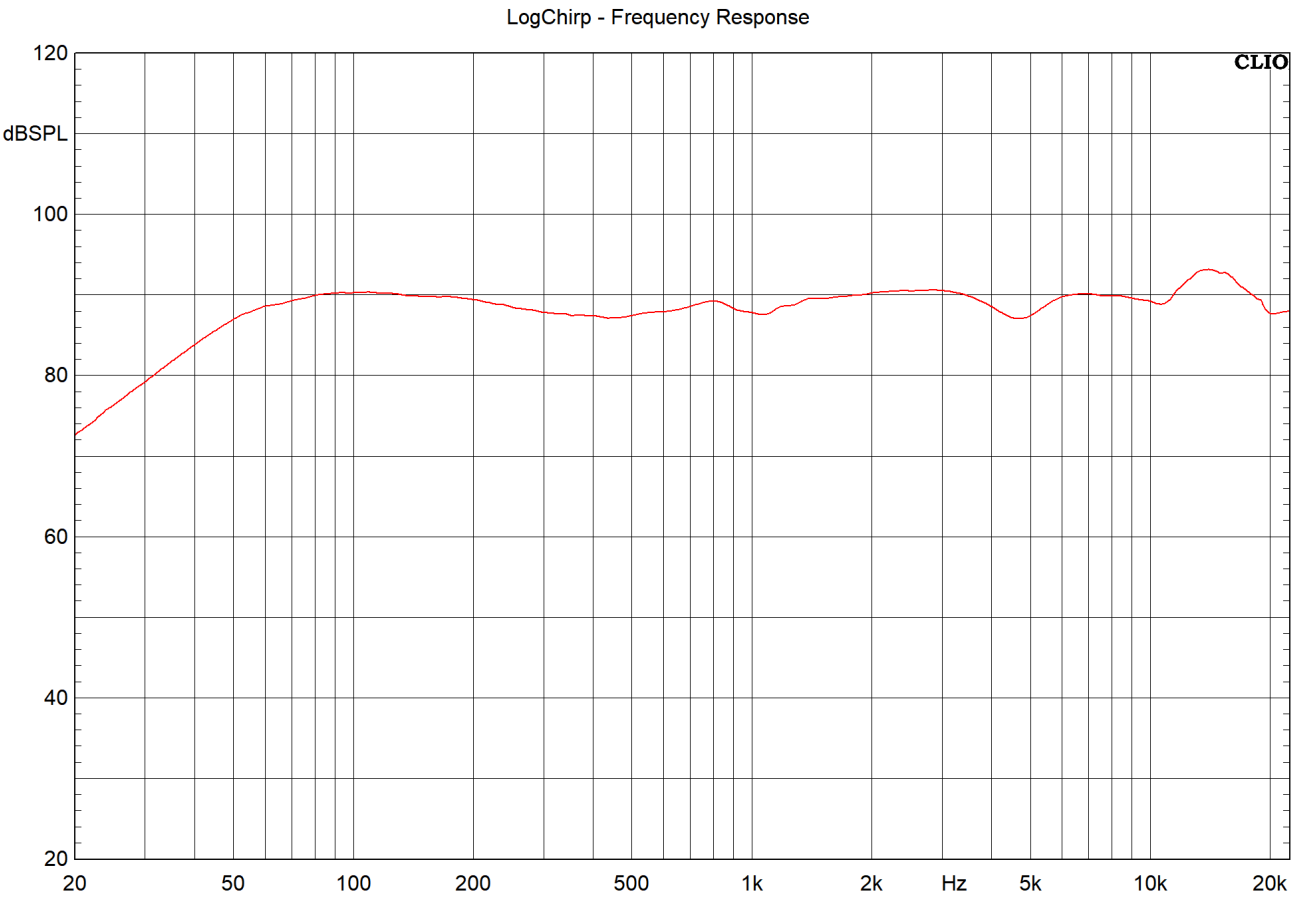
The quadral In-Ceiling 7 Speaker impresses with its even and wide sound radiation pattern, which means no matter where you are in the room, the sound is everywhere, exceptionally balanced and clear. It's been designed specifically for use with the Loxone Audioserver and is, therefore, the perfect addition to a Loxone system.

- Coaxial system ensures an extremely even and wide sound radiation pattern
- Single-frame construction ensures a very compact design with minimal acoustically disturbing edges and depressions
- Frequency range: 50Hz ... 28kHz
- Suitable for indoor & protected outdoor use
- Nominal impedance: 8 Ohm
- Rated power: 40W
- Maximum power: 80W
- Product dimensions: 232.2 x 95.1mm
- Cut out size: 203mm
- Installation depth: 91.7mm
- Works with these back boxes: Loxone Speaker Back Box & Loxone Speaker Back Box For Suspended Ceilings

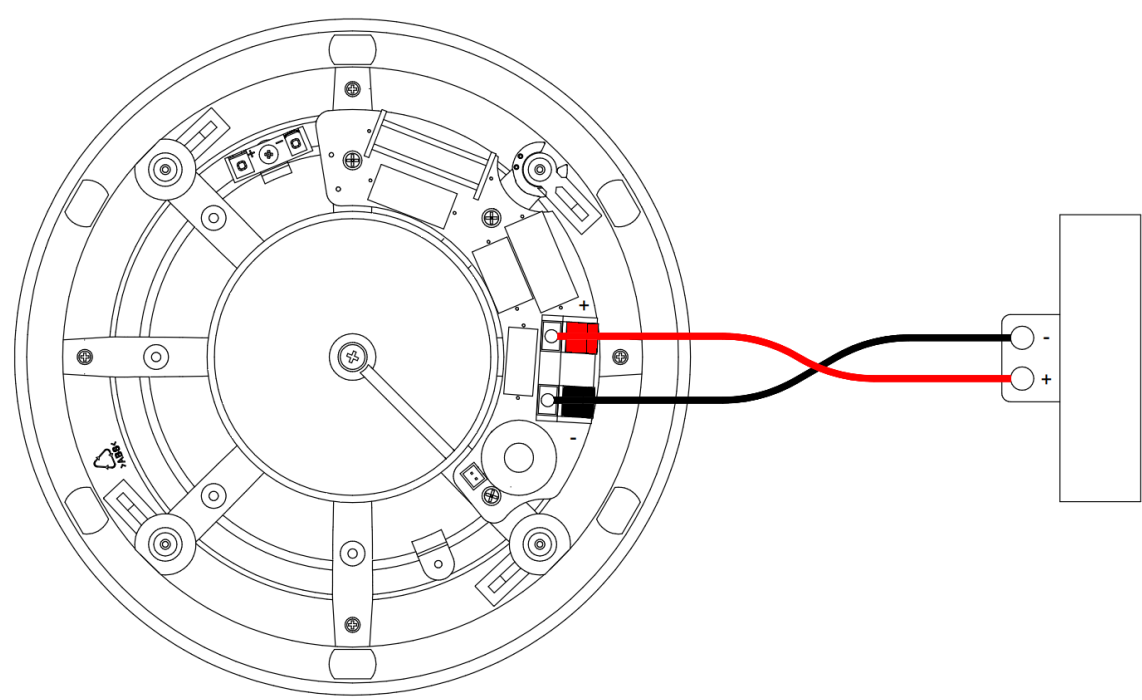
# Technical data

|                       |                                |
|-----------------------|--------------------------------|
| Type                  | 2-Way                          |
| Rated power           | 40W                            |
| Maximum power         | 80W                            |
| Frequency range       | 50Hz...28kHz                   |
| Crossover frequency   | 2,1kHz                         |
| Nominal impedance     | 8 Ohm                          |
| Sensitivity           | 88dB                           |
| Ambient temperature   | -30...70°C /-22...158°F        |
| Humidity              | max. 95% r.H. (non condensing) |
| Tweeter dome material | Silk                           |
| Woofer cone material  | Carbon filled Polypropylene    |
| Safety rating         | IP20                           |

# Frequency response



# Connection diagram



# Weight & dimensions

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product dimensions   | 232.2mm x 95.1mm / 9.14" x 3.74"                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cut out size         | 203mm / 8"                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Installation depth   | 91.7mm / 3.61"                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Max. panel thickness | 36mm / 1.41"                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Weight               | 1.98kg                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Drawing              | A side-view technical drawing of the device showing its profile. The overall width is labeled as ø232.2. The width of the main body is labeled as ø200. The total height from the mounting surface to the top of the device is labeled as 91.7. The height of the main body is labeled as 36. A small dimension of 3.4 is shown at the bottom left, indicating the distance from the mounting surface to the start of the main body. |

Installation must be carried out by a qualified electrician in accordance with the relevant regulations.

## **Datasheet** **quadral In-Ceiling 7 Speaker** Artikel Nr.: 100497



### **Über das Produkt**

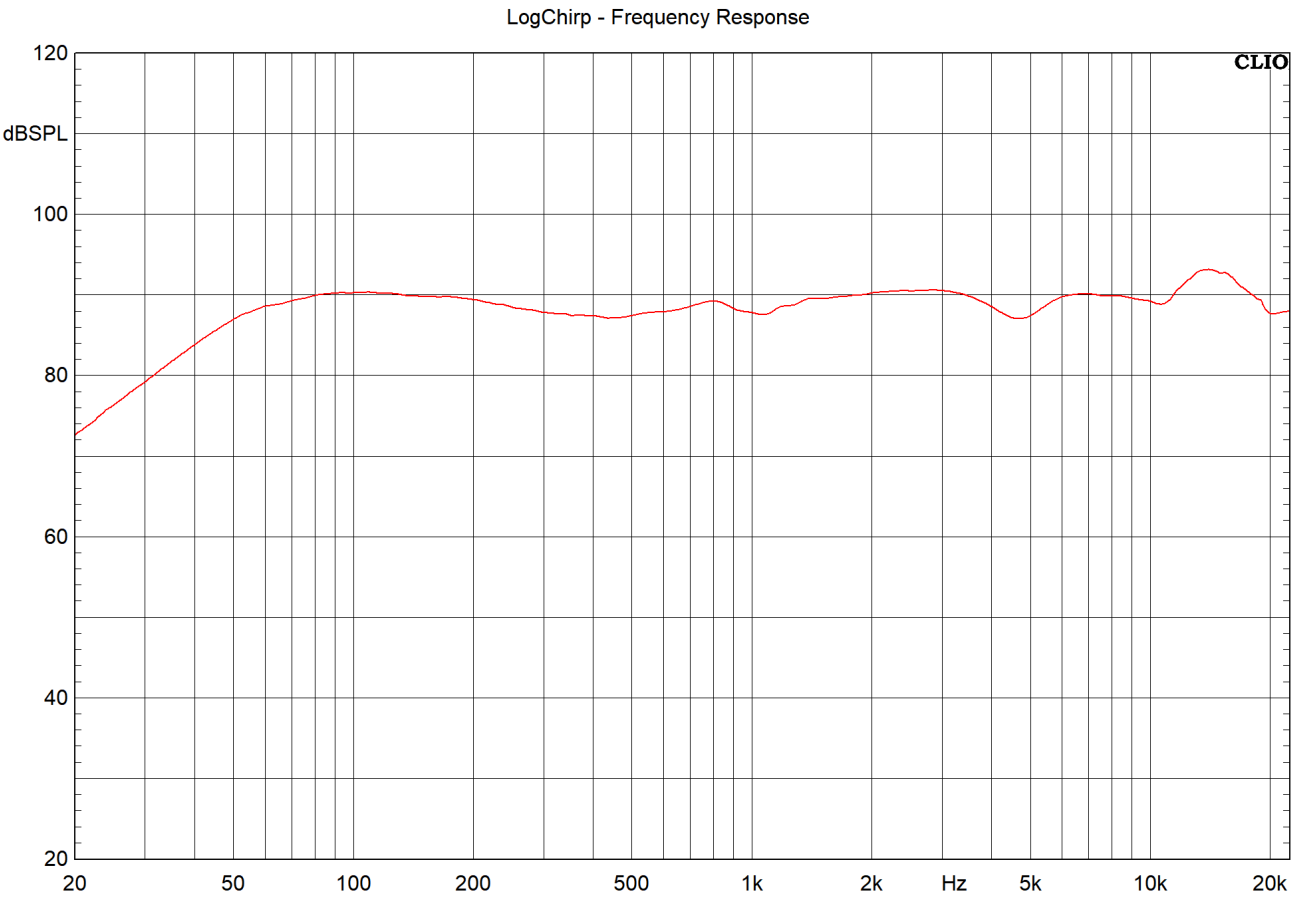
Der quadral In-Ceiling 7 Deckenlautsprecher überzeugt mit außergewöhnlich gleichmäßigem und breitem Abstrahlverhalten, was für ein exzellentes Klangbild sorgt. Er wurde speziell für den Einsatz mit dem Loxone Audioserver entwickelt.

- Koaxialsystem für ein extrem gleichmäßiges und breites Abstrahlverhalten.
- Single-Frame Konstruktion für eine sehr kompakte Bauform bei minimalen akustisch störenden Kanten und einer maximalen Membranfläche
- Linearer Frequenzgang von 50Hz ... 28kHz
- Geeignet für Innen und den geschützten Außenbereich
- Nennimpedanz: 8 Ohm
- Nennbelastbarkeit: 40W
- Maximalbelastbarkeit: 80W
- Produktmaße: 232,2 x 95,1mm
- Einbaudurchmesser: 203mm
- Einbautiefe: 91,7mm
- Einbauboxen: Speaker Einbaubox & Speaker Einbaubox für abgehängte Decke

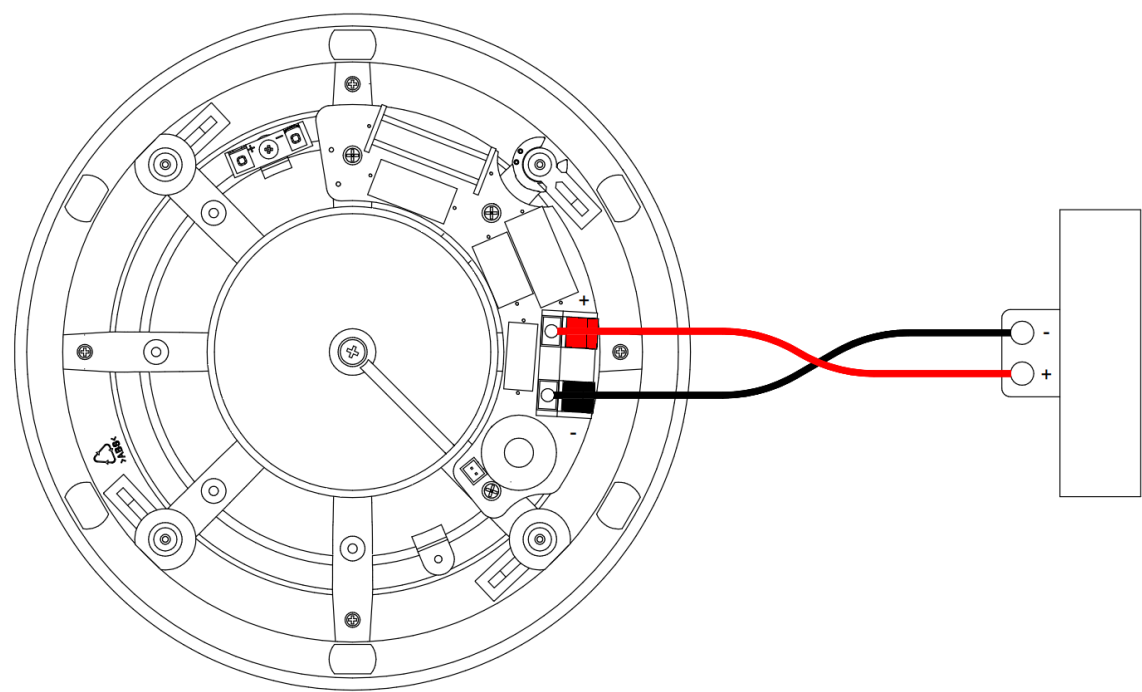
# Technische Daten

|                             |                                     |
|-----------------------------|-------------------------------------|
| Typ                         | 2-Wege                              |
| Nennbelastbarkeit           | 40W                                 |
| Maximalbelastbarkeit        | 80W                                 |
| Übertragungsbereich         | 50Hz...28kHz                        |
| Übergangsfrequenz           | 2,1kHz                              |
| Nennimpedanz                | 8 Ohm                               |
| Empfindlichkeit             | 88dB                                |
| Umgebungstemperatur         | -30...70°C /-22...158°F             |
| Luftfeuchtigkeit            | max. 95% r.H. (nicht kondensierend) |
| Hochtöner Kalotten Material | Seide                               |
| Tieftöner Membran Material  | Kohlenstoff gefülltes Polypropylen  |
| Schutzart                   | IP20                                |

## Frequenzgang



# Anschlussplan



# Gewicht & Abmessungen

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Produktmaße                   | 232.2mm x 95.1mm / 9.14" x 3.74"                                                                                                                                                                                                                                                                                                                                                                                 |
| Einbaudurchmesser             | 203mm / 8"                                                                                                                                                                                                                                                                                                                                                                                                       |
| Einbautiefe                   | 91.7mm / 3.61"                                                                                                                                                                                                                                                                                                                                                                                                   |
| Max. Plattenstärke für Einbau | 36mm / 1.41"                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gewicht                       | 1.98kg                                                                                                                                                                                                                                                                                                                                                                                                           |
| Maßzeichnung                  | <p>A cross-sectional diagram of the device showing its internal components and mounting structure. The diagram includes the following dimensions:</p> <ul style="list-style-type: none"> <li>Outer diameter: <math>\varnothing 232.2</math></li> <li>Inner diameter: <math>\varnothing 200</math></li> <li>Height: 91.7</li> <li>Mounting plate thickness: 36</li> <li>Mounting flange thickness: 3.4</li> </ul> |

Die Installation muss nach den einschlägigen Vorschriften durch eine Elektrofachkraft erfolgen.

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