



# LC3 Ceiling Loudspeaker Range

LC3-UC06, LC3-UC06-LZ, LC3-CBB

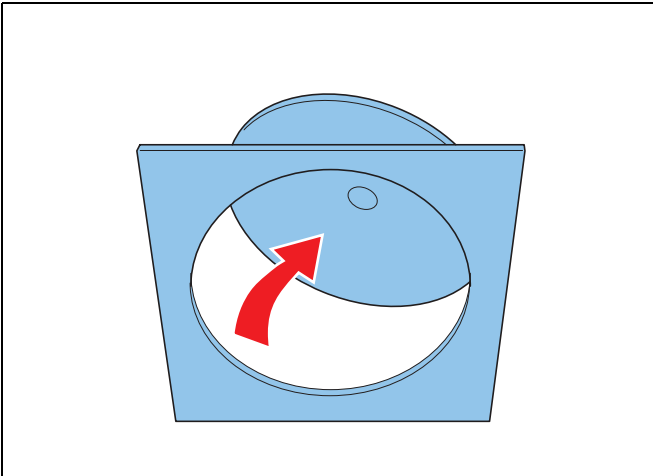


**BOSCH**

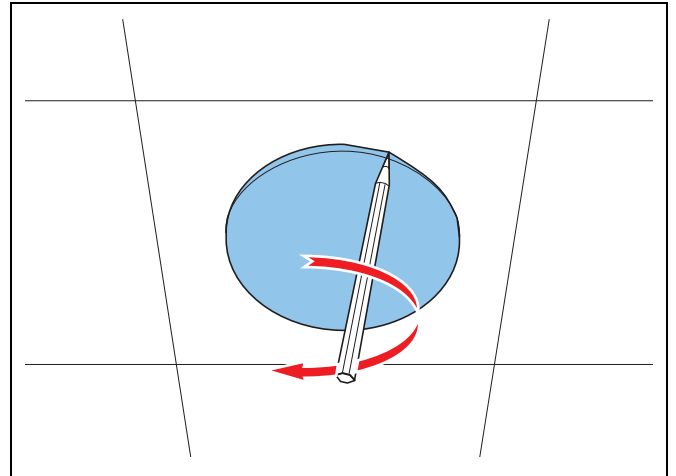
en Installation Note



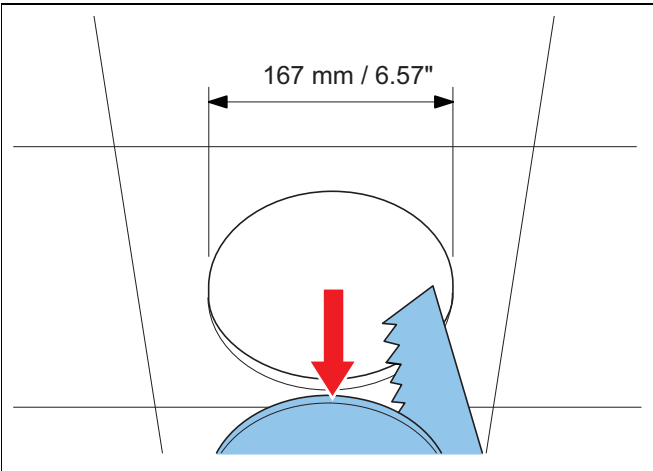
# 1 Installation



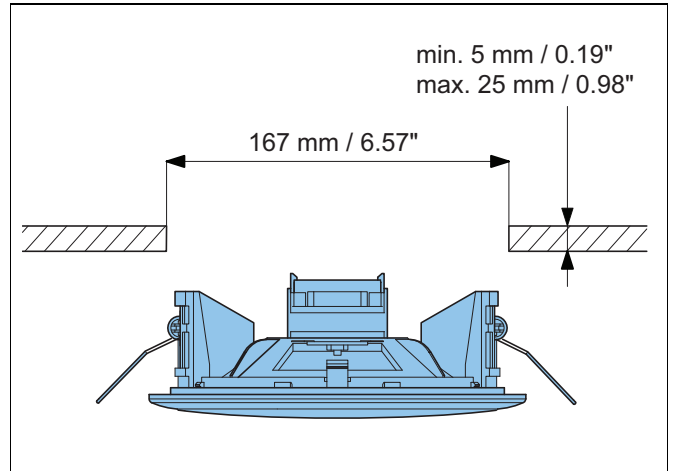
1: Ceiling cut-out template



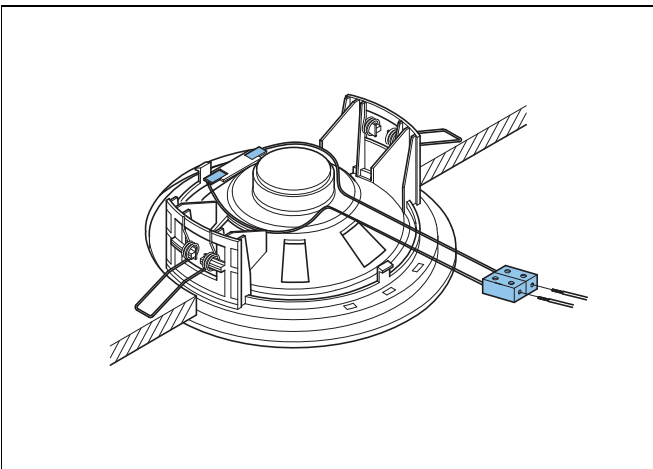
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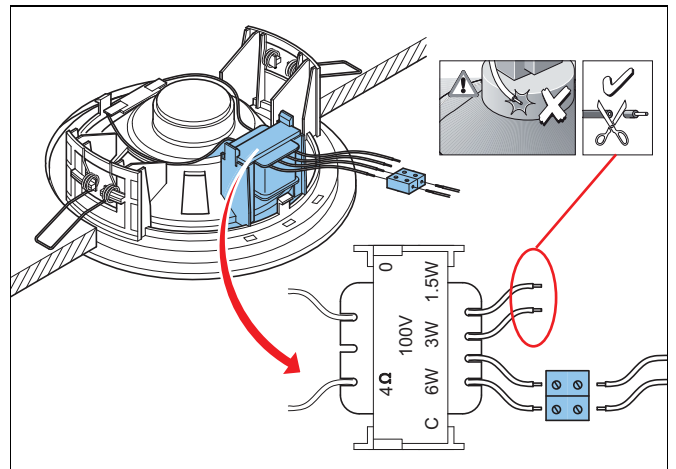
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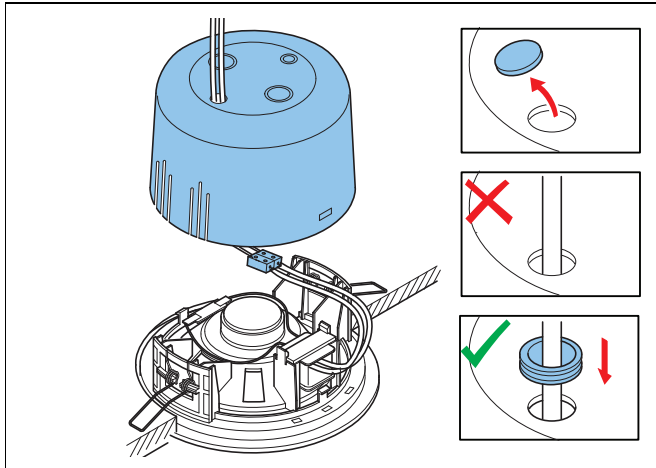
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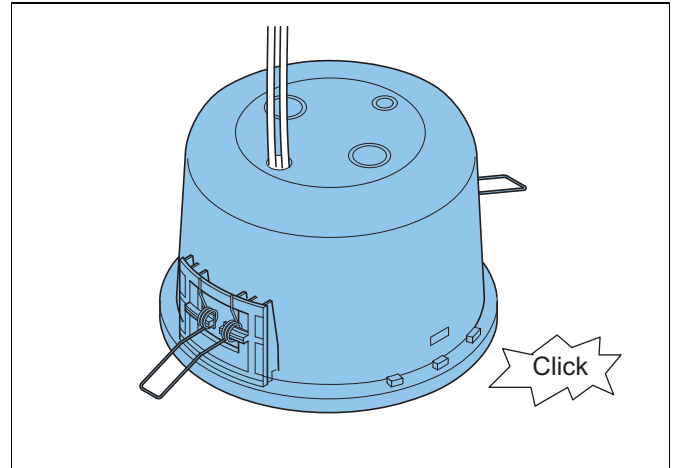
5: Connection LC3-UC06-LZ (4Ω)



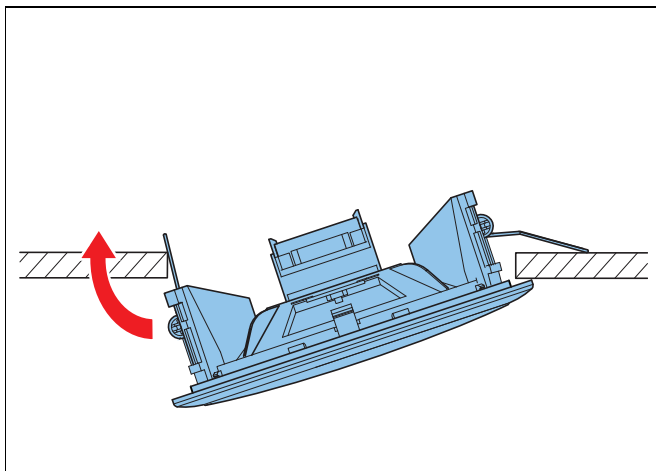
6: Connection LC3-UC06 (100 V)



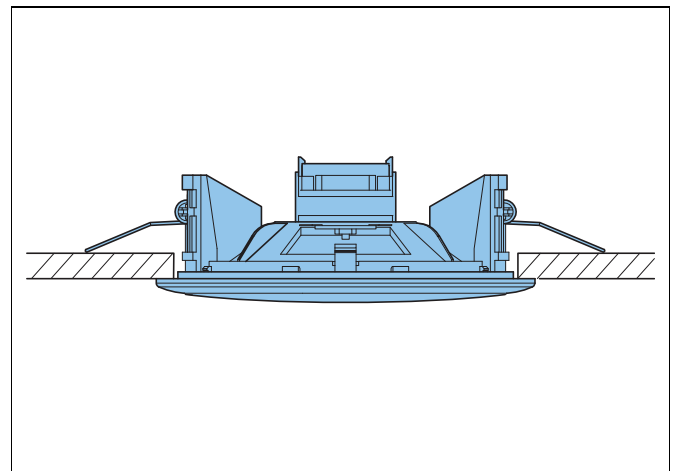
7: Connection LC3-UC06 + LC3-CBB (optional)



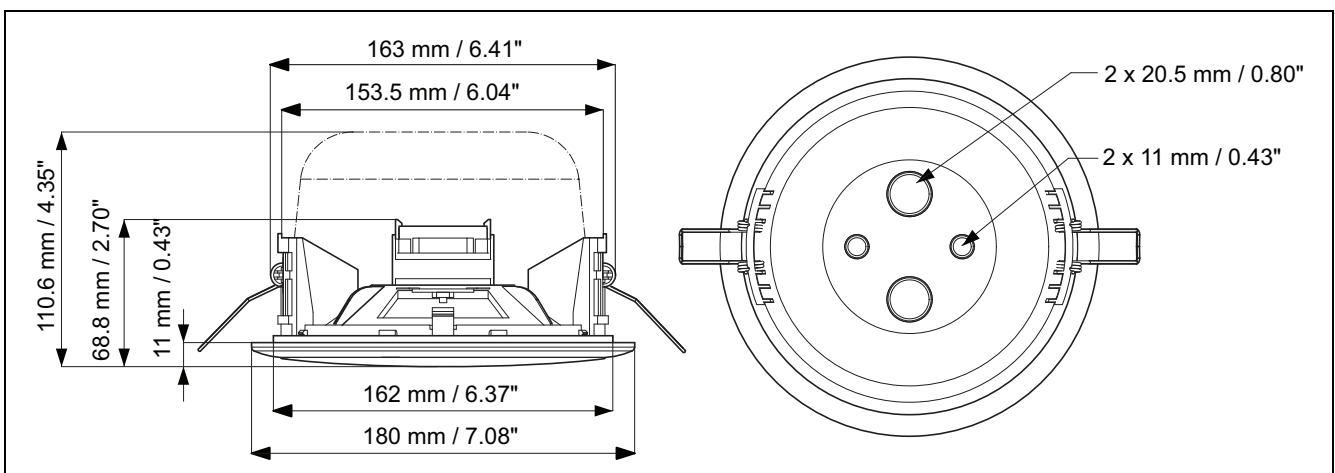
8: LC3-UC06 + LC3-CBB (optional)



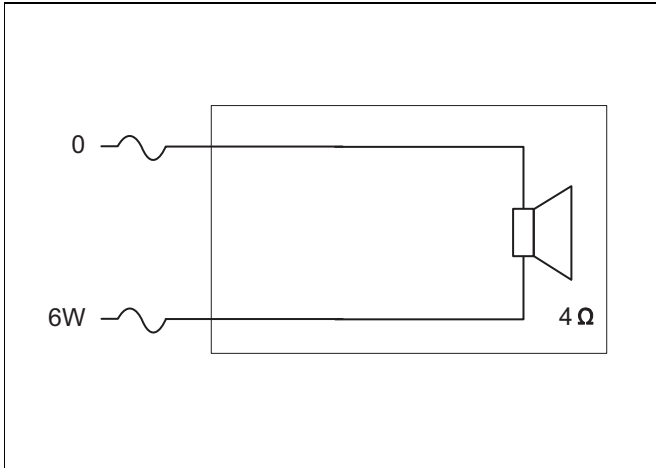
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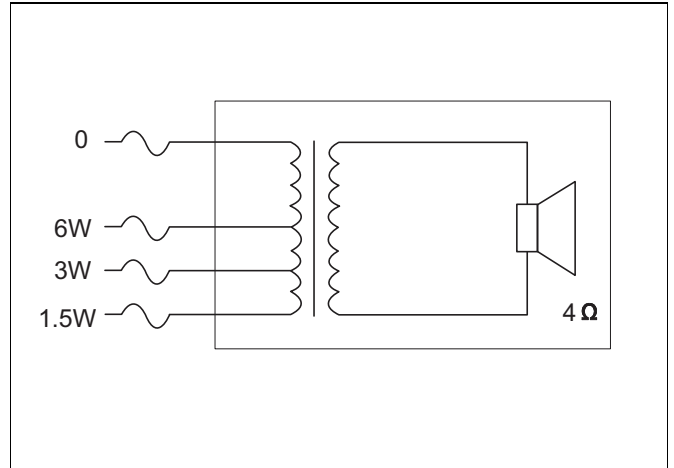
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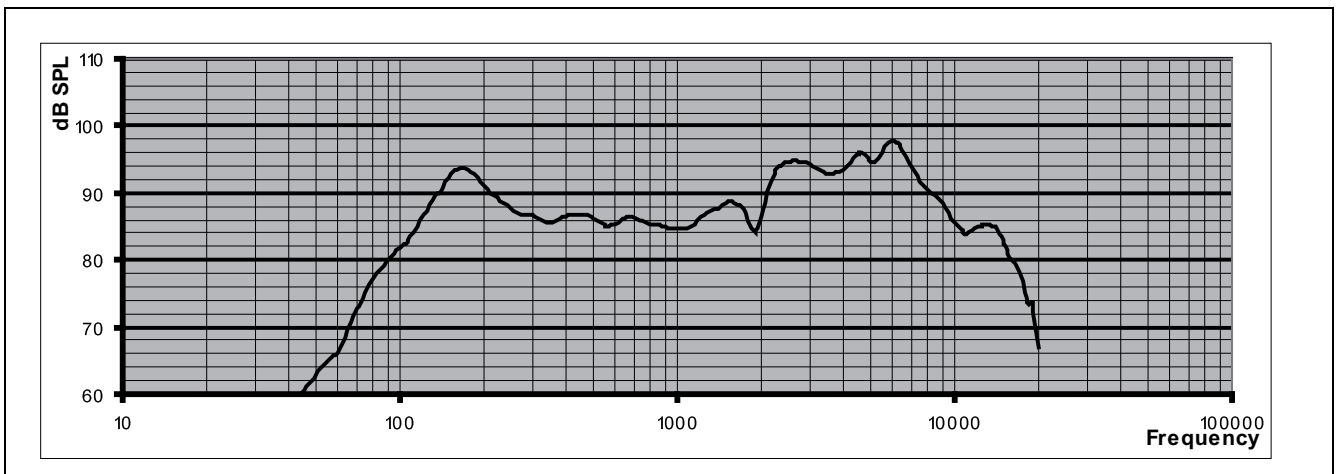
Dimensions LC3-UC06 + LC3-CBB (optional)



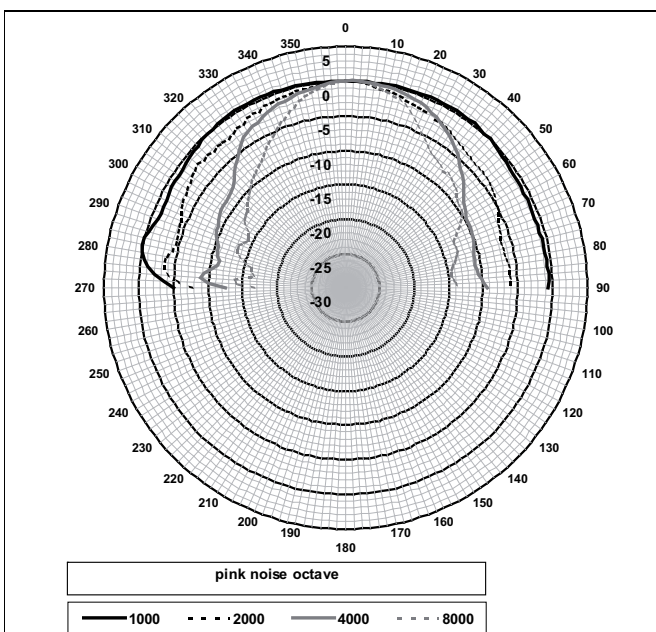
Circuit diagram LC3-UC06-LZ (4Ω)



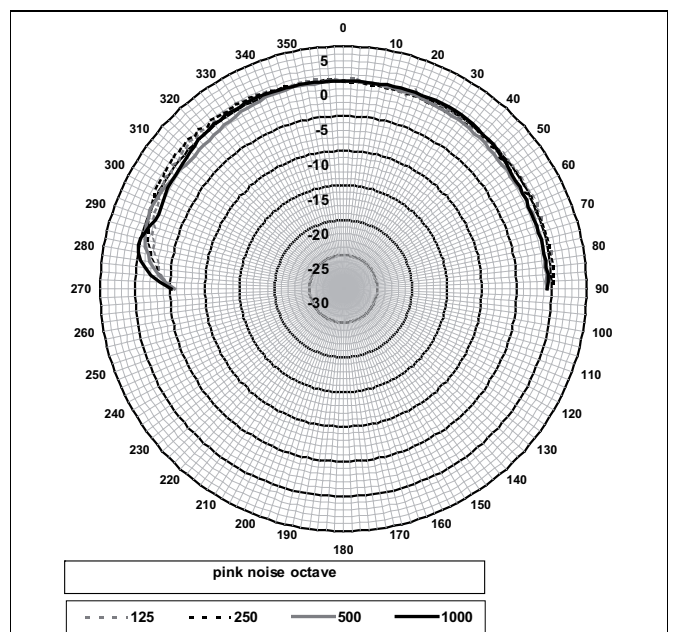
Circuit diagram LC3-UC06 (100 V)



Frequency response



Horizontal/Vertical polar diagram.  
Normalized at 0-degrees axis.



Horizontal/Vertical polar diagram.  
Normalized at 0-degrees axis.

## 2 Technical specifications

| <b>Electrical*</b>                                     | <b>LC3-UC06</b>                   | <b>LC3-UC06-LZ</b>                |
|--|-----------------------------------|-----------------------------------|
| Description  | Ceiling Loudspeaker               | Ceiling Loudspeaker               |
| Maximum power  | 9 W                               | 9 W                               |
| Rated power  | 6 W (6/3/1.5 W)                   | 6 W                               |
| Sound pressure level at rated power / 1 W (1 kHz, 1 m) | 94dB / 86 dB (SPL)                | 94dB / 86 dB (SPL)                |
| Sound pressure level at rated power / 1 W (4 kHz, 1 m) | 103dB / 95 dB (SPL)               | 103dB / 95 dB (SPL)               |
| Opening angle at 1 kHz / 4 kHz (-6 dB):                | 180 / 85 degrees                  | 180 / 85 degrees                  |
| Effective frequency range (-10 dB)                     | 90 Hz to 20 kHz                   | 90 Hz to 20 kHz                   |
| Rated voltage  | 100 V                             | 4.9 V                             |
| Rated impedance  | 1667 Ohm                          | 4 Ohm                             |
| Connector  | Flying leads:<br>150 mm (5.90 in) | Flying leads:<br>150 mm (5.90 in) |

\*Technical performance according to IEC 60268-5

| <b>Mechanical</b>              | <b>LC3-UC06</b>              | <b>LC3-UC06-LZ</b>           | <b>LC3-CBB</b>    |
|--------------------------------|------------------------------|------------------------------|-------------------|
| Description                    | Ceiling Loudspeaker          | Ceiling Loudspeaker          | Back-Box          |
| Diameter                       | 180 mm (7.08 in)             | 180 mm (7.08 in)             | 148 mm (5.82 in)  |
| Mounting cut-out               | 167 mm (6.57 in)             | 167 mm (6.57 in)             | -                 |
| Max. ceiling thickness         | 5 to 25 mm (0.19 to 0.98 in) | 5 to 25 mm (0.19 to 0.98 in) | -                 |
| Max. depth                     | 59 mm (2.32 in)              | 59 mm (2.32 in)              | 96.3 mm (3.79 in) |
| Material (frame, front grille) | ABS                          | ABS                          | ABS               |
| Weight                         | 475 g (1.04 lb)              | 337 g (0.74 lb)              | 110 g (0.24 lb)   |
| Color                          | White (RAL 9010)             | White (RAL 9010)             | White (RAL 9010)  |

### **Environmental**

|                       |                                      |
|-----------------------|--------------------------------------|
| Operation temperature | -25 °C to +55 °C (-13 °F to +131 °F) |
| Storage temperature   | -40 °C to +70 °C (-40 °F to +158 °F) |
| Relative humidity     | < 95%                                |

### **Certification and approvals**

|               |                        |
|---------------|------------------------|
| Safety        | According to EN 60065  |
| UL compliancy | According to UL 94 V 0 |



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