

LC3 Ceiling Loudspeaker Range

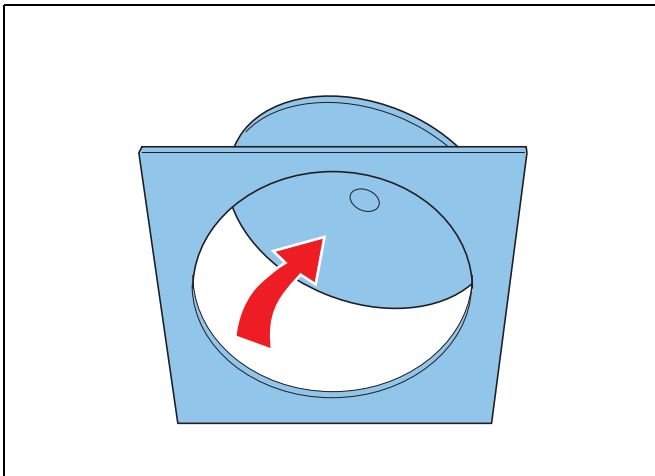
LC3-UC06, LC3-UC06-LZ, LC3-CBB



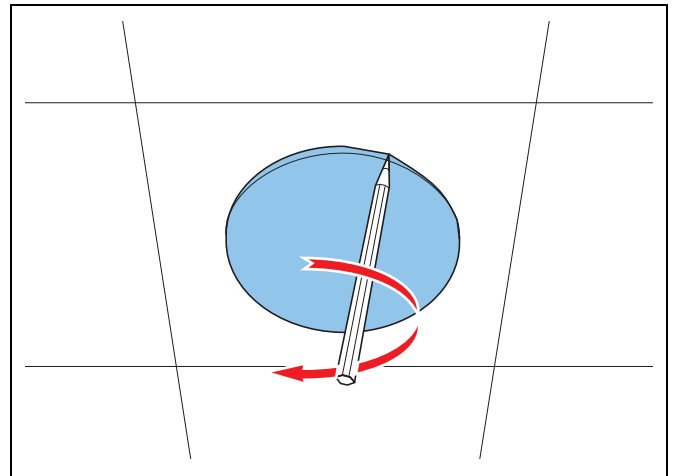
BOSCH

en Installation Note

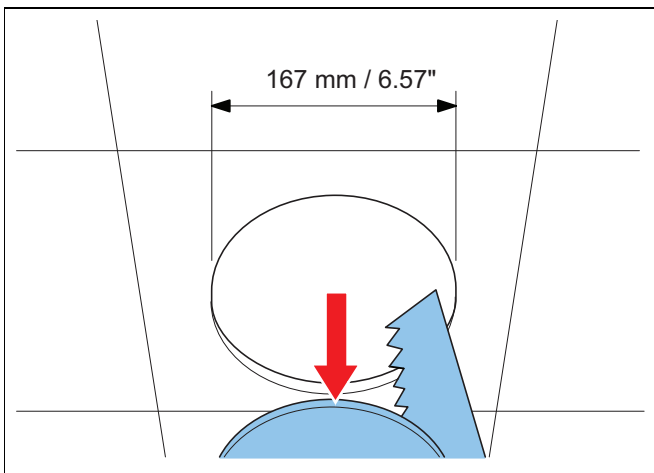
1 Installation



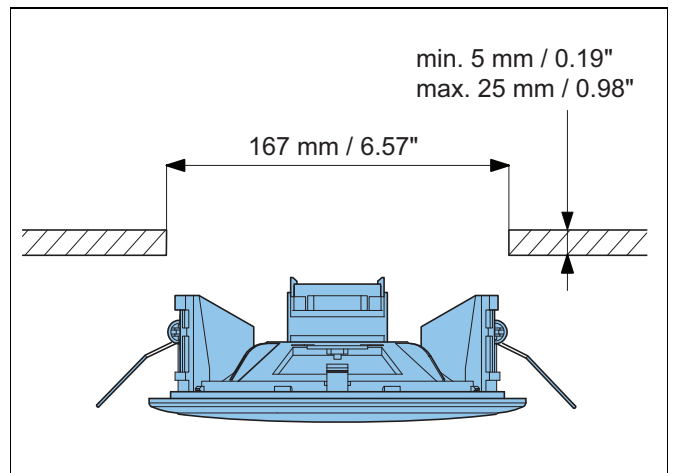
1: Ceiling cut-out template



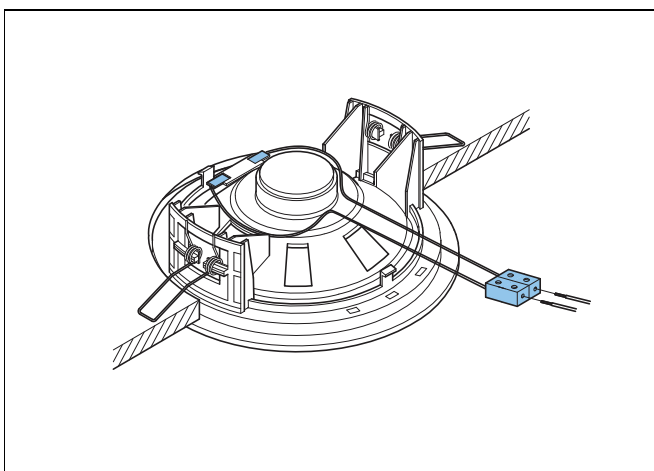
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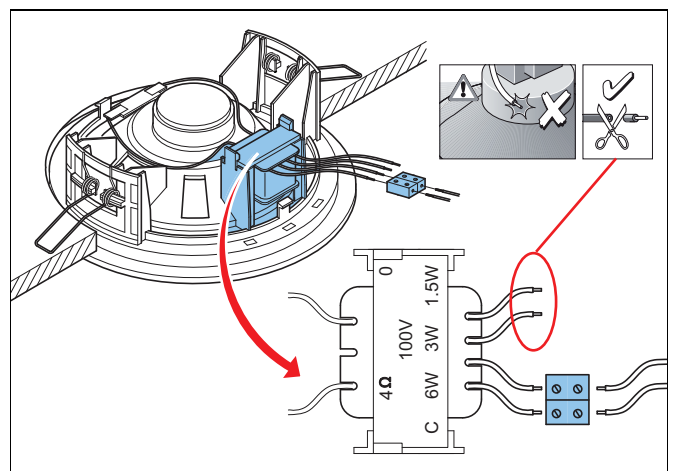
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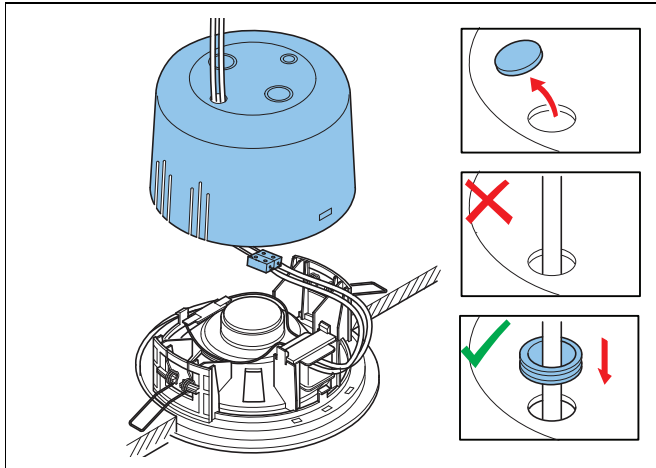
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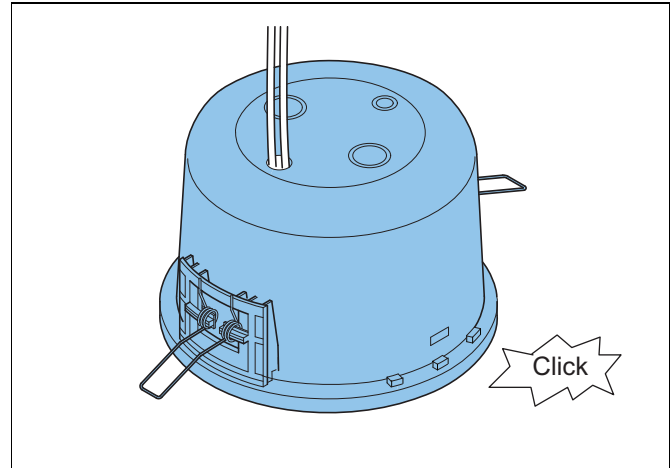
5: Connection LC3-UC06-LZ (4Ω)



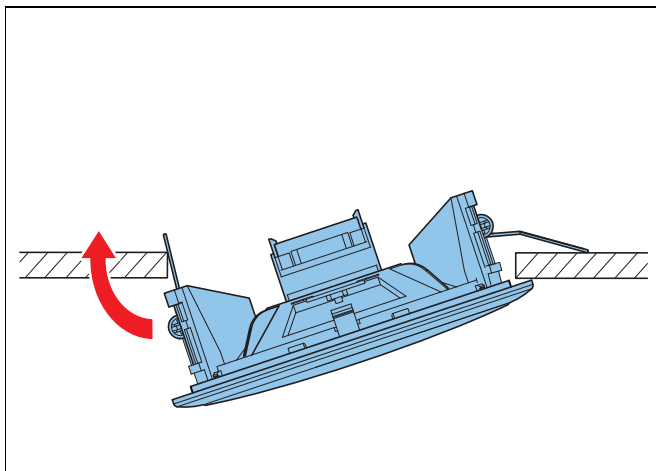
6: Connection LC3-UC06 (100 V)



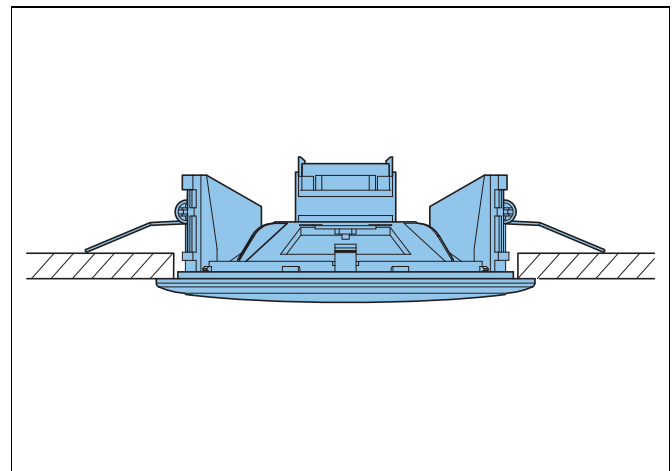
7: Connection LC3-UC06 + LC3-CBB (optional)



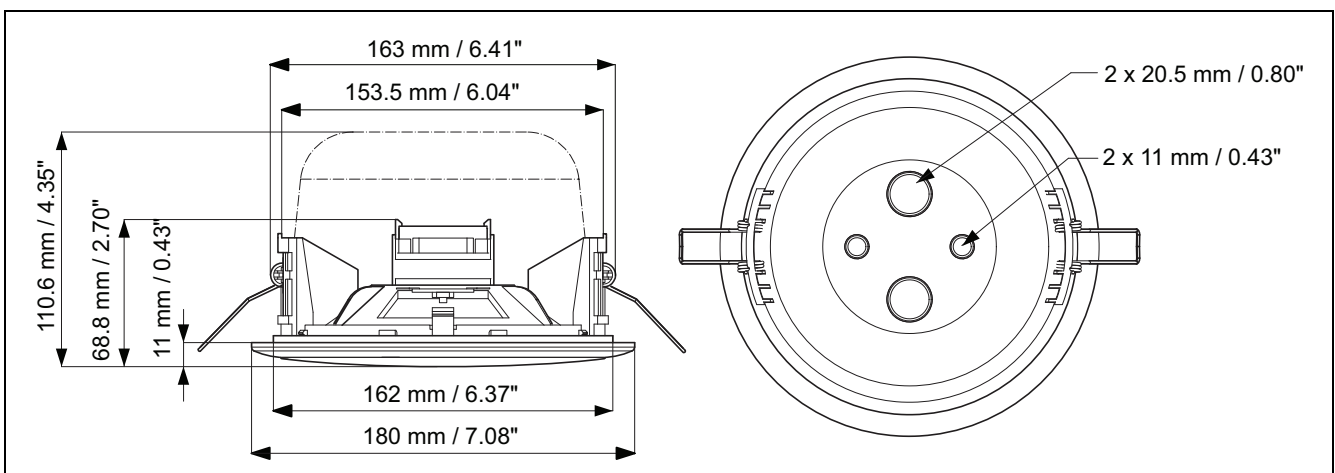
8: LC3-UC06 + LC3-CBB (optional)



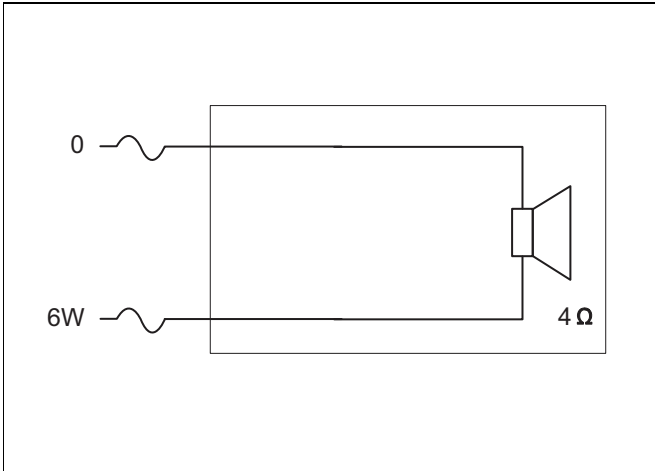
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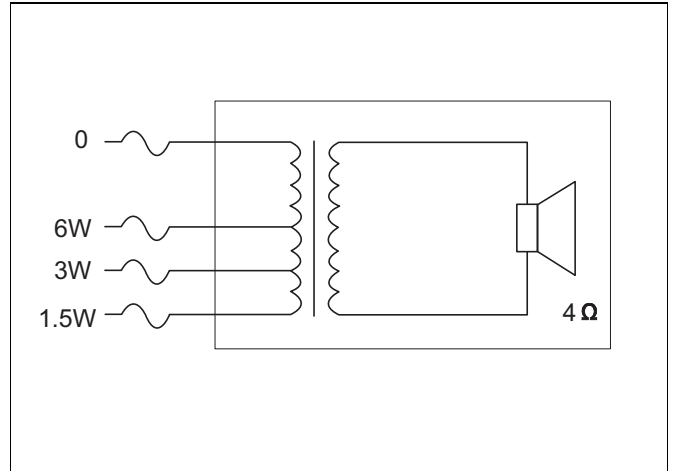
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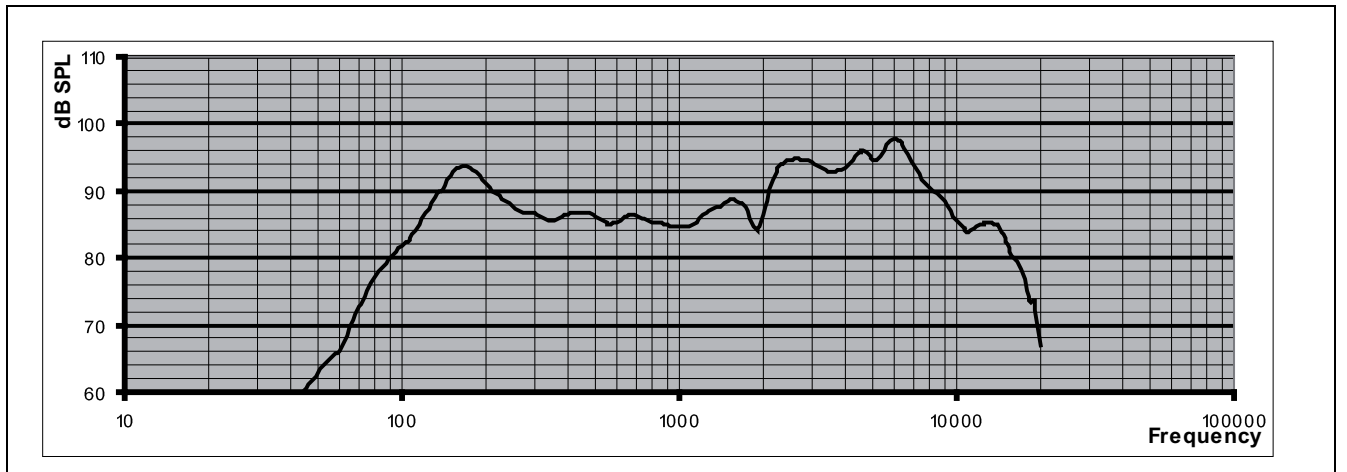
Dimensions LC3-UC06 + LC3-CBB (optional)



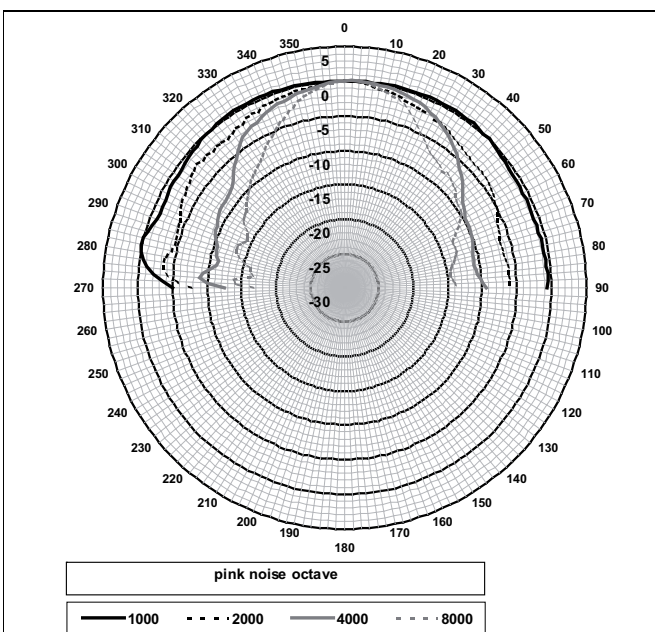
Circuit diagram LC3-UC06-LZ (4Ω)



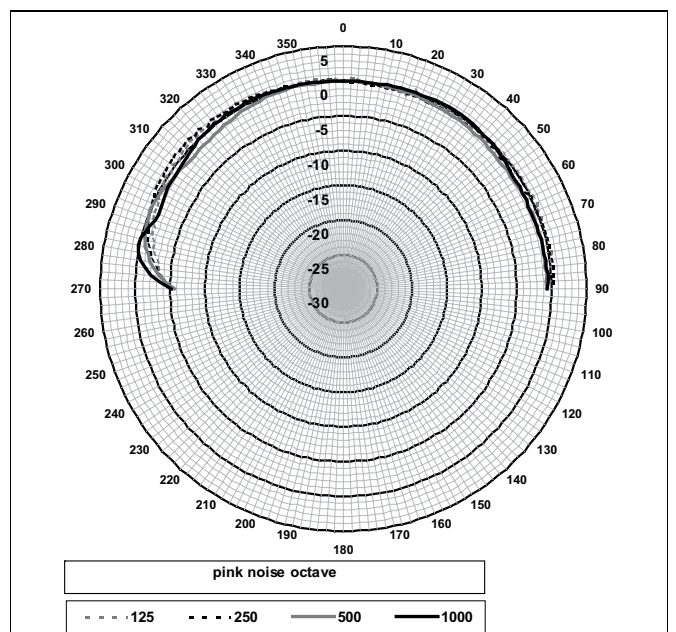
Circuit diagram LC3-UC06 (100 V)



Frequency response



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



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

2 Technical specifications

| Electrical* | LC3-UC06 | LC3-UC06-LZ |
|--|-----------------------------------|-----------------------------------|
| 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: 150 mm (5.90 in) | Flying leads: 150 mm (5.90 in) |

*Technical performance according to IEC 60268-5

| Mechanical | LC3-UC06 | LC3-UC06-LZ | LC3-CBB |
|--------------------------------|------------------------------|------------------------------|-------------------|
| 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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