

## Installation

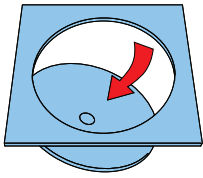


Fig. 1

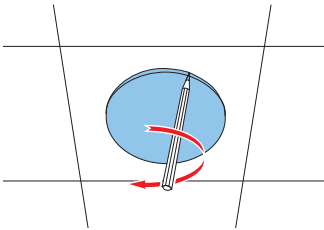


Fig. 2

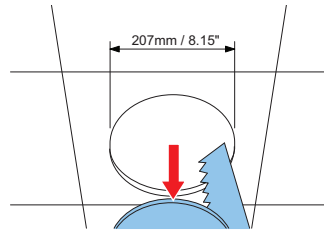


Fig. 3

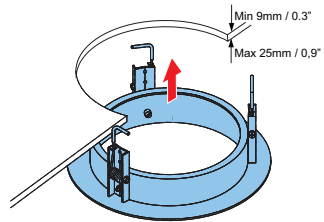


Fig. 4

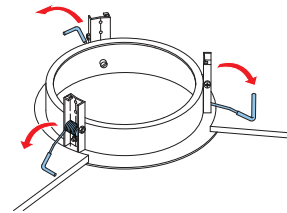


Fig. 5

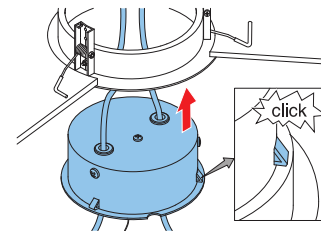


Fig. 6

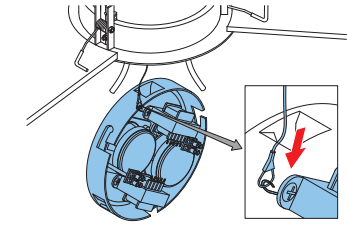


Fig. 7

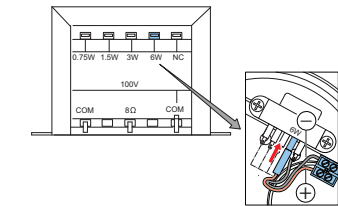


Fig. 8

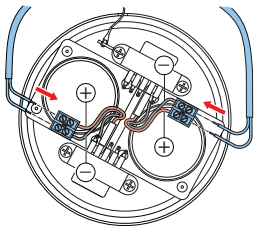


Fig. 9

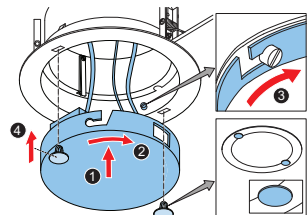
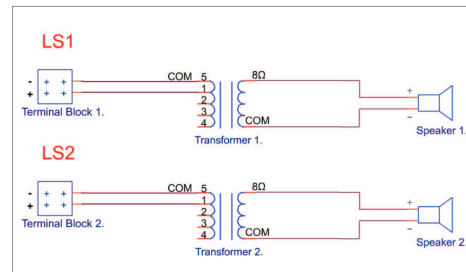


Fig. 10

## Circuit diagrams



POS.	Power: 100V
1	LS1 1.5W
2	8Ω 6W
3	3W 3W
4	1.5W 1.5W
5	0.75W 0.75W

Fig. 11: Circuit diagram

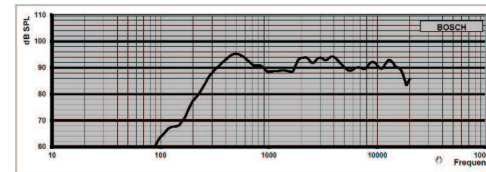


Fig. 12: Frequency response

### Note:

- The specification data is measured in an anechoic chamber, on a standard baffle
- The reference axis is perpendicular to the center point of the front grille
- The reference plane is perpendicular to the center of the reference axis
- The horizontal plane is perpendicular to the center of the reference plane

## Technical data

### Electrical\*

Rated power (PHC)	2 x 6 W (6-3 - 1.5 - 0.75 W)
Sound pressure level	95 / 87 dB (single driver) 98 / 90 dB (both drivers)
Sound pressure level	84 / 75 dB (single driver) 88 / 78 dB (both drivers)
Frequency response (-10 dB)	316 Hz to 20 kHz
Opening angle at 1 kHz / 4 kHz	180° / 170° (single driver) 180° / 170° (both drivers)

Rated voltage	100 V
Rated impedance	1667 Ohm @ 6 W
	3333 Ohm @ 3 W
	6667 Ohm @ 1.5 W
	13333 Ohm @ 0.75 W
Connector	2 x 2-pole ABS screw terminal block
Acceptable wire gauge	0.5 to 4 mm <sup>2</sup>

\* Technical performance data acc. to IEC 60268-5


#### Mechanical

Diameter	220 mm
Maximum depth	95 mm
Allowable ceiling thickness	9 to 25 mm
Mounting cut-out	207 mm

Weight	1.78 kg
Color	
Ceiling speaker	White (RAL 9003)
Fire-dome	Red (RAL 3000)

#### Environmental

Operating temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Storage and transport temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative humidity	< 95%

 1438	
Bosch Security Systems BV Torenallee 49, 5617 BA Eindhoven, the Netherlands 18 1438-CPR-0580	
EN 54-24:2008  Loudspeaker for voice alarm systems for fire detection and fire alarm systems for buildings  A/B Ceiling Loudspeaker 6 W, with fire-dome LC7-UM06E3-AB Type A DoP: DECL DoP EUR EN54-24 LC7-UM06E3-AB	



**LC7-UM06E3-AB A/B Ceiling Loudspeaker  
6W**



en Installation note