



# Bidirectional Sound Projector

LP1-BC10E-1



**BOSCH**

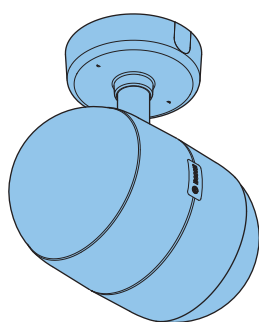
**en** Installation note



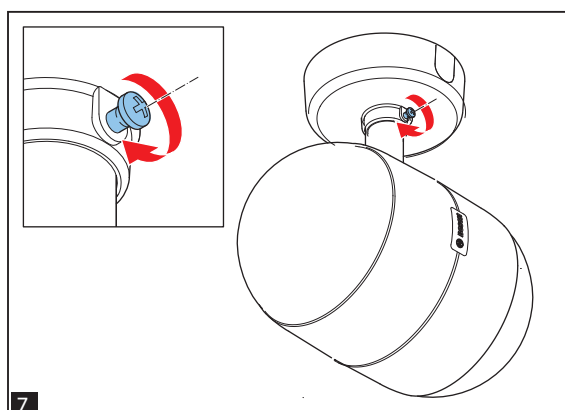
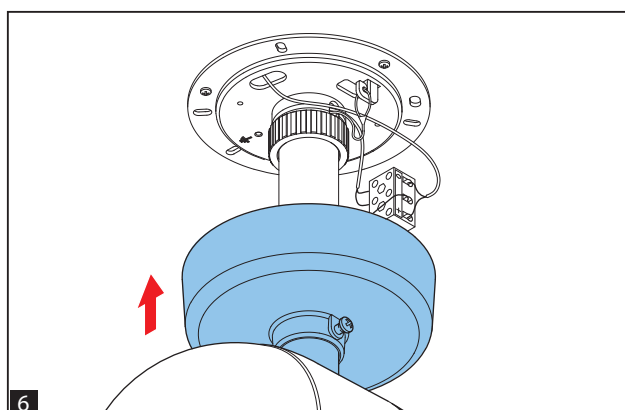
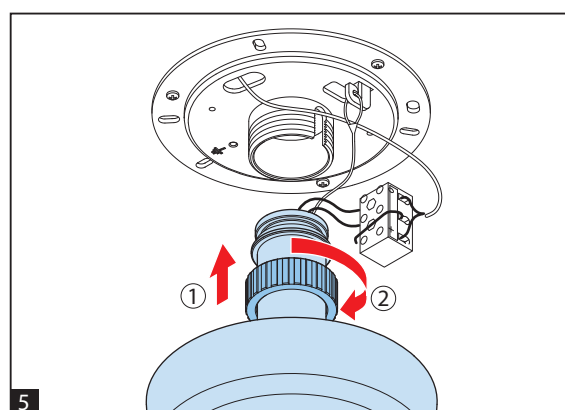
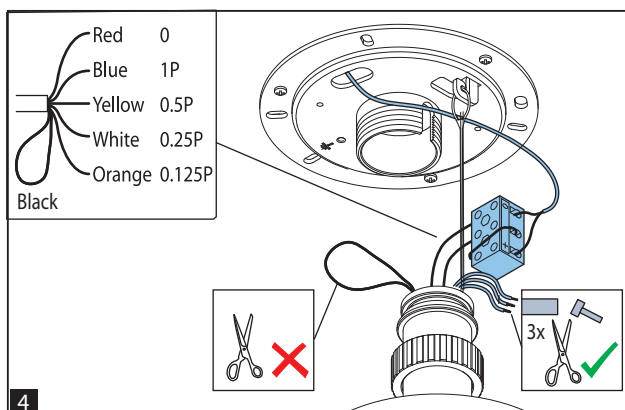
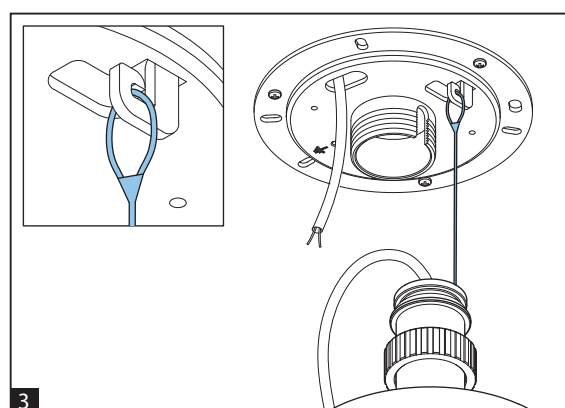
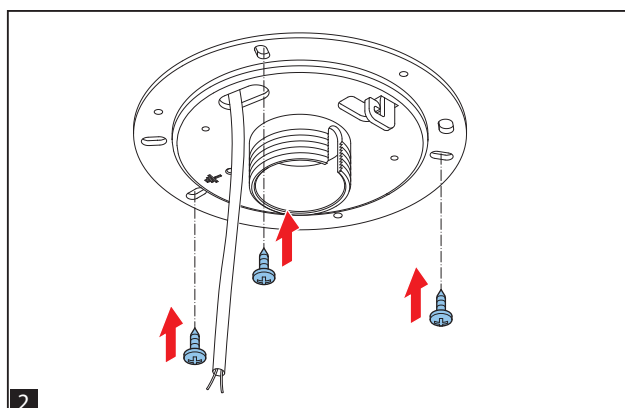
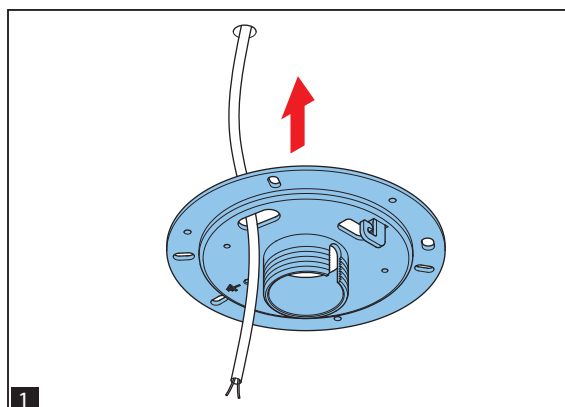
# 1

## Installation

This document describes the installation procedure of the LP1-BC10E-1 Bidirectional Sound Projector.



LP1-BC10E-1



## 2 Technical data

### Electrical\*

|                                                    |                       |
|----------------------------------------------------|-----------------------|
| Maximum power                                      | 15 W                  |
| Rated power                                        | 10 / 5 / 2.5 / 1.25 W |
| Sound pressure level<br>at 10 W / 1 m (1 kHz, 1 m) | 90 dB / 80 dB (SPL)   |
| Opening angle<br>at 1 kHz / 4 kHz (-6 dB)          | 165° / 60°            |
| Effective frequency range (-10 dB)                 | 75 Hz to 20 kHz       |
| Rated voltage                                      | 100 V                 |
| Rated impedance                                    | 1000 ohm              |
| Connector                                          | 3-pole screw terminal |

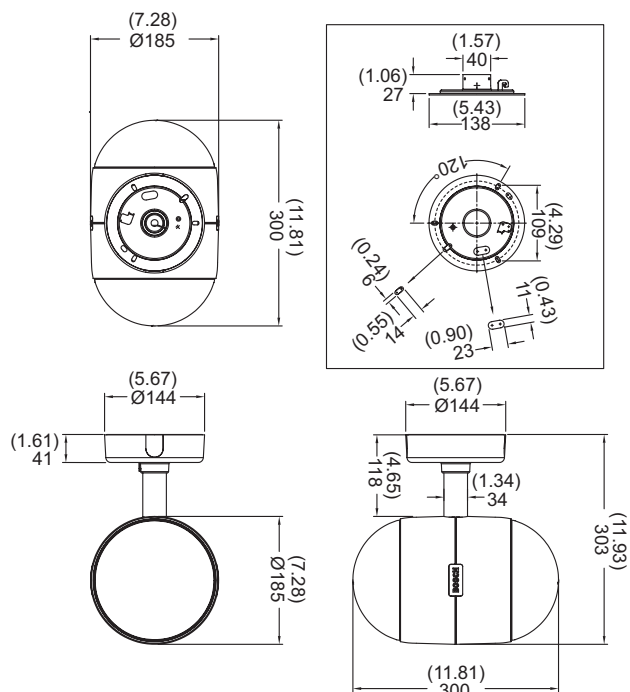
\* Technical performance data according to IEC 60268-5

### Mechanical

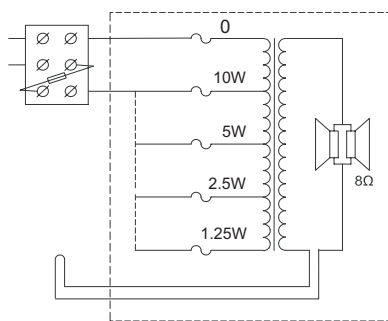
|                    |                              |
|--------------------|------------------------------|
| Dimensions (D x L) | 185 x 297 mm (7.3 x 11.7 in) |
| Weight             | 3 kg (6.6 lb)                |
| Color              | White (RAL 9010)             |
| Material           | ABS                          |

### Environmental

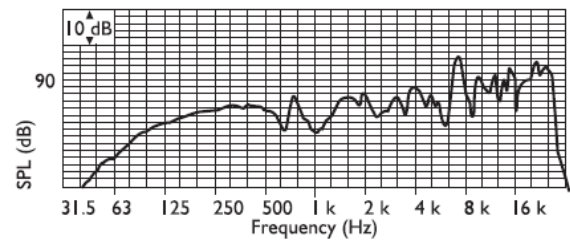
|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Operating temperature             | -25 °C to +55 °C<br>(-13 °F to +131 °F) |
| Storage and transport temperature | -40 °C to +70 °C<br>(-40 °F to +158 °F) |
| Relative humidity                 | <95%                                    |



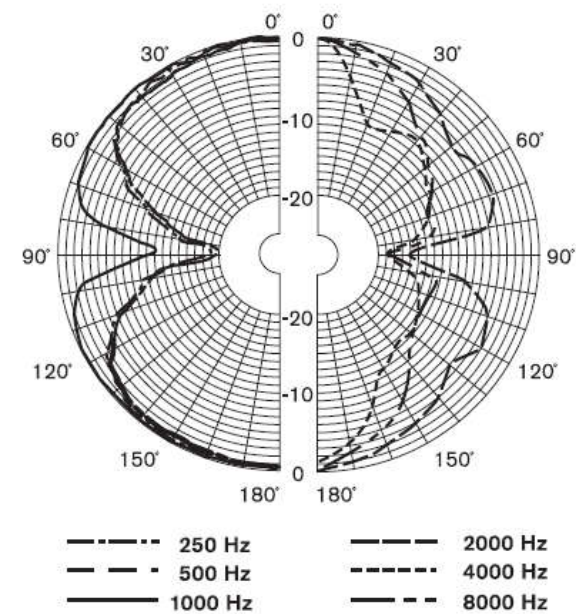
#### Dimensions in mm / (inch)



#### Circuit diagram



Frequency response



Polar diagram (measured with pink noise)

|                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>CE</div><div>1438</div></div>                                                                                                                                                                                                 |
| <div><div>Bosch Security Systems BV</div><div>Torenallee 49, 5617 BA Eindhoven, the Netherlands</div><div>12</div><div>1438-CPR-0258</div></div>                                                                                        |
| <div><div>EN 54-24:2008</div><div>Loudspeaker for voice alarm systems</div><div>for fire detection and fire alarm systems for buildings</div><div>Bidirectional Sound Projector 10 W</div><div>LP1-BC10E-1</div><div>Type B</div></div> |

CE label

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