



Introduction

AD46 CASAMBI features advanced sound detection technology, which can detect both low-frequency (LF) sounds, such as door opening via pressure change, and high-frequency (HF) sounds, such as speech, footsteps, and key jingling. This allows for automatic lighting control via the sensor or manual control via the push button, providing maximum flexibility and convenience. One of the key properties of this technology is its detection range, which can reach up to 50 meters in diameter, depending on the location and interior of the space. Acoustic sensors exhibit optimal performance in enclosed environments.

Casambi technology

The Casambi technology is based on Bluetooth Low Energy technology, where all Casambi products serve as both signal amplifiers and information distributors. This results in a robust system and enables the continuous operation of the system even if one unit fails.

Wireless features

- ▶ Wireless communication
- ▶ On/off and dimming control of Casambi fixtures
- ▶ Provides occupancy readings to the Casambi network
- ▶ Grouping of fixtures
- ▶ Color temperature
- ▶ Daylight harvesting
- ▶ Occupancy sensor

Sensor features

- ▶ Up to 50 m detection range in diameter depending on location and interior.
- ▶ Detects LF sound, the low frequency pressure change from door openings.
- ▶ Detects HF sound, audible sounds generated from speech, footsteps, key jingling, etc.
- ▶ Automatic lighting control via detector or manual control via push button.
- ▶ Adjustable sensitivity.

Technical Specification

Mechanical data

Dimensions (L+W+H)	84 x 35 x 84 mm
Weight	83 g
Colour	White, RAL 9003
IP rating	IP21

Power

Operating voltage	12-24 VDC, 12 VAC, DALI
Power consumption	28 mA
Startup time	30 sec
LED indication	Yes, for HF and LF sound

Sensor

Detection range	Up to 50 m i diameter
Sensor Technology	Acoustic

Wire terminals

Stranded	0,327- 2 mm ²
Solid	0,327- 2 mm ²

Operating and storage conditions

Ambient temperature	-40 °C till +70°C
Storage temperature	-40 °C till +85°C
Humidity	Max 90% , icke-kondenserande

Compliance and Standards

Enviroment	Complies with the REACH and RoHS directives
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Software compatibility

Classic/ Evolution/ Long range