



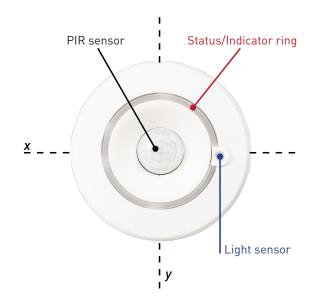




The 331 and 331B Multisensor for RoomSet are the heart of Helvar RoomSet single-room lighting solution for commissioning classrooms, offices and meeting rooms. For the installer, the automatic preset programming allows for swift out-of-the-box installation, with no configuration needed.

RoomSet supports advanced graphical configuration via an easy-to-use Android app that enables a quick and simple setup for different purposes, such as presentations, lectures or conferences, or for daylight-harvesting. For commissioning large numbers of rooms, the RoomSet app allows copying room layouts, thus making the commissioning process faster and consequently more cost-effective.

The Multisensor for RoomSet has a light sensor for constant-light control, and a passive infrared (PIR) presence detector to provide energy-saving functions in a DALI system. It also hosts a microcontroller running RoomSet firmware with Bluetooth® low-energy connectivity to allow tablet-based configuration.

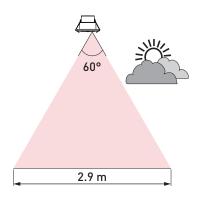


Key Features

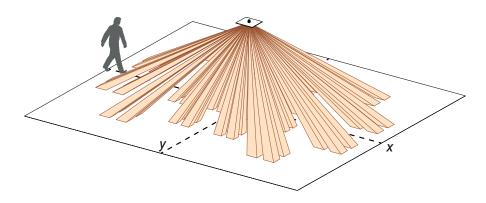
- Excellent detection performance through high sensitivity and multidirectional coverage.
- Automated addressing and defaults programming to allow installer testing.
- Functional system just by powering on the sensor.
- Drag-and-drop graphical configuration of rooms with an intuitive Android app.
- Over-the-Air upgrades via the RoomSet app to keep the system up to date with the latest available functionality.
- Programmable constant-light control for energy efficiency.
- Cost-effective deployment of large numbers of rooms.



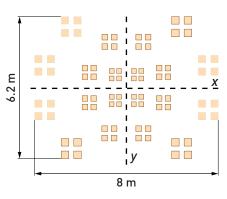
Constant Light Coverage at 2.5 m Height

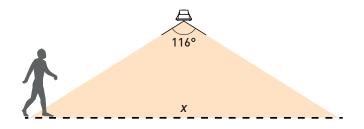


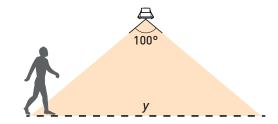
Presence Detection Coverage at 2.5 m Height



Detection pattern at floor level for 2.5 m mounting height









Technical Data

Connections

DALI: Removable connector block

Bluetooth®: BLE 4.1

Wire section: $0.5 \text{ mm}^2 - 1.5 \text{ mm}^2 \text{ solid or}$

stranded

All cables must be mains rated. Cable rating:

Power

9.5 V - 22.5 V DALI supply input:

DALI current Typical: 15 mA @ 16 V consumption: Maximum: 25 mA @ 9.5 V

Sensors

For constant-light functions Light sensor:

Presence detector: Passive infrared (PIR)

Mechanical data Max. recommended

mounting height: 4 m

Presence detection

coverage area: 46 m² @ 2.5 m mounting height

Mounting hole diameter: 52 mm - 55 mm

Bezel diameter: 66 mm

Recommended clearance 10 cm (with cable cover, incl. 5

cm for cabling) depth:

Nonflammable PC/ABS (UL94-V0) Material (casing):

Finish / Colour: 331: Semi-matt / White RAL 9003

331B: Semi-matt / Anthracite Grey RAL 7016

Weight: 56 g

IP code: IP30 [IP20 cable cover]

Operating and storage conditions

Ambient temperature: 0 °C to +50 °C

Relative humidity: Max. 90 %, noncondensing

-10 °C to +70 °C Storage temperature:

Conformity and standards

DALI standard: IEC 62386 EMC emission: EN 61000-6-3 RED: EN 300328 EN 301489-17

EN 61547 EMC immunity: Safety: EN 61347-2-11

Environment: Complies with WEEE and RoHS.

RoomSet compatibility

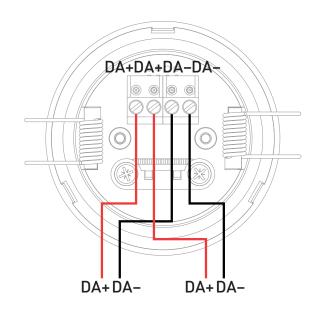
Device: Tablet (9.7" screen or larger

recommended)

Software: Android 6.0.2 or later

BLE 4.1 or later

Connections



Dimensions (mm)

