The iDim Sense is a luminaire-based DALI sensor suitable both for standalone use and for operation with a Helvar router system. It provides:

- a passive infrared (PIR) movement detector
- a remote control receiver (IR) for remote control
- a light sensor (CL) for constant light function
- a manual mode selector for choosing among six out-of-box application modes [operational only in standalone mode].

**Key Features**

- PIR, constant light and infrared control
- Easy-to-select application modes
- Clip-on fascia in different colours
- Clip-on PIR restrictor
- Remote control and manual control
- Compatible with Helvar’s lighting system design and control software (Designer and Toolbox).

**PIR Coverage**

![PIR Coverage Diagram]

**Constant Light Coverage**

![Constant Light Coverage Diagram]

**Typical mounting: with fascia**

![Typical mounting: with fascia Diagram]

**Alternative mounting: without fascia**

![Alternative mounting: without fascia Diagram]
Technical Data

Connections

DALI:
- Wire size: 0.5 mm² – 1.5 mm²
- Solid, flexible or stranded
- Strip length: 9 mm

iDim Solo:
- RJ Style 4P4C crossover
- [max. 3 m]
- Accessory cable available

Power cable rating:
- All cables must be mains rated.

Power

DALI consumption:
- 10 mA

Sensors

Light sensor:
- For constant light functions

Presence detector:
- PIR: Passive infrared presence detector

infrared receiver:
- For remote control commands

Remote control functions

Infrared remote control:
- Infrared remote control: Modify preset light levels (constant light or fixed light)
- Scene store and recall
- Activate special test functions

Mechanical data

Dimensions:
- 55 mm × 25 mm × 20 mm (without fascia). See diagram.
- 58 mm × 28.5 mm × 21.4 mm (with fascia). See diagram.

Recommended luminaire thickness:
- 0.6 mm – 2.4 mm

Material (casing):
- Fire-retardant polycarbonate

Colour:
- iDim Sense: Grey (RAL 9006)
- iDim Fascia: White (RAL 9016) or Grey (RAL 9006)

IP code:
- IP30

Weight:
- 15 g

Operating conditions

Ambient temperature:
- +10 °C to +50 °C

Relative humidity:
- Max. 90 %, noncondensing

Storage temperature:
- −25 °C to +75 °C

Illuminance:
- 5 lx – 5000 lx

Conformity and standards

EMC Emission:
- EN 55015

EMC Immunity:
- EN 61547

Safety:
- EN 61347–2–11

Isolation:
- Double isolated

Environment:
- Complies with WEEE and RoHS directives.

Connections

Note: To remove DALI wiring, always press down on the push wire connector clips.