The iDim Sense is a luminaire-based DALI sensor. It contains:
- a light sensor (for Constant Light function);
- a passive infrared (PIR) movement detector;
- an infrared receiver (for remote control)

The manual mode selector allows the user to easily select one of the 6 out-of-box application modes. When used with DIGIDIM Toolbox and Helvar 905, 910 or 920 Router systems, the unit provides even more system functionality.

Key Features
- PIR, Constant Light and Infrared control
- Easy to select application modes
- Clip-on fascia in different colours
- Clip-on PIR Restrictor
- Mode selector with LED feedback
- Remote control and manual control
- Network compatible with DIGIDIM Toolbox and Helvar 905, 910 or 920 Router systems

Installation Notes
- Multiple mounting options:
  1. Mount from outside luminaire: ‘Click fit’
  2. Mount from inside luminaire: ‘Bracket fit’
  3. Combined with a louvre adapter: ‘Click fit’
- Isolate the mains supply before installation
- Cabling must be 230 VAC mains rated when used outside luminaire. Use, Alpha 1174C or 6642

Recommended Mounting Location

1. Do not mount sensor in direct line of artificial light sources, e.g. lamps or uplighters.
2. Do not mount sensor in direct sunlight
**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 to 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 %, non-condensing

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

**LUX level:**
- 5 LUX to 5000 LUX

**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

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Connections

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

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Dimensions (mm)

**iDim Sense with fascia**

**iDim Sense without fascia**

**Typical mounting: with fascia**

**Alternative mounting: without fascia**