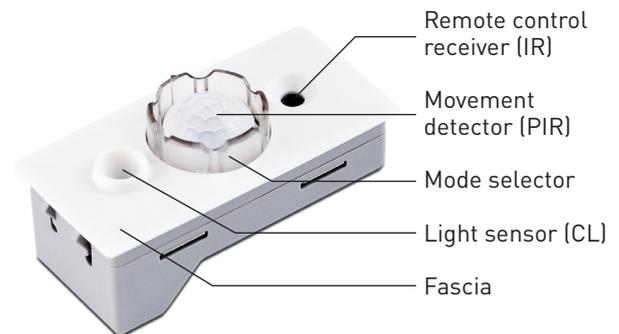


## iDim Sense DALI Sensor (316)

The Helvar 316 is a luminaire-based DALI sensor for standalone use.\* It contains:

- a light sensor (for constant light function)
- a passive infrared (PIR) movement detector
- an infrared receiver (for remote control)

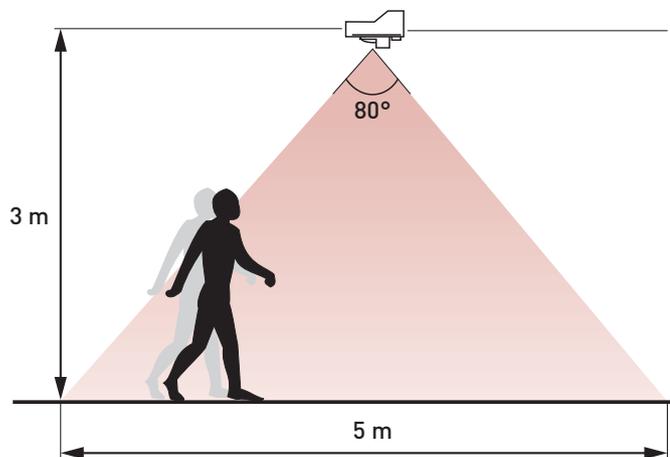
The manual mode selector allows the user to easily select one of the six out-of-box application modes.



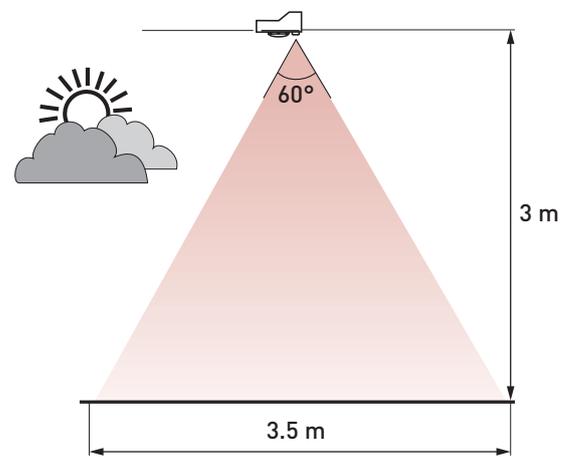
### Key Features

- Compact DALI sensor for standalone use.
- Compatible with all iDim control gear.
- PIR, constant light and infrared control.
- Easy-to-select application modes.
- Provides two-channel control when used together with Helvar's iDim Solo Interface Module.
- Simple rotating selector provides six preprogrammed modes.
- Easy click-mounting from outside luminaire.
- Clip-on fascia in different colours.
- Clip-on PIR restrictor.
- Mode selector with LED feedback.

### PIR Coverage



### Constant Light Coverage



\* For operation with Helvar router systems, use iDim Sense System Sensor (315).

## Technical Data

### Connections

- DALI:** Wire size: 0.5 mm<sup>2</sup> – 1.5 mm<sup>2</sup>  
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:** 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

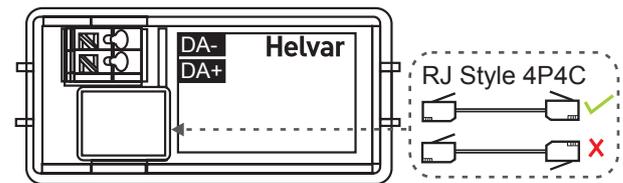
### Operating conditions

- Ambient temperature:** +10 °C to +50 °C
- Relative humidity:** Max. 90 %, noncondensing
- Storage temperature:** –25 °C to +75 °C
- Illuminance:** 5 lx – 5000 lx

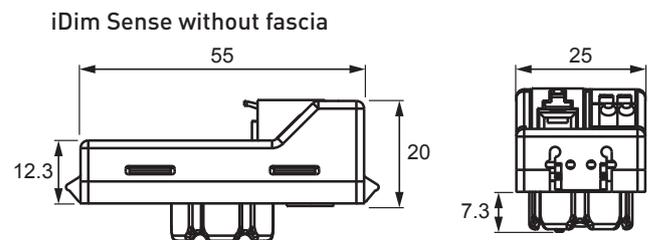
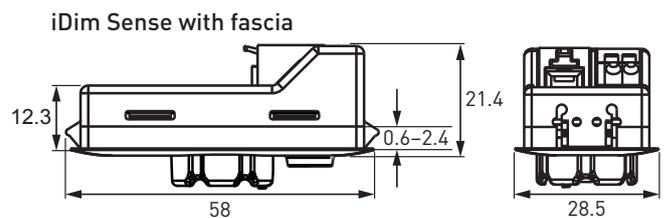
### Conformity and standards

- EMC emission:** EN 55015
- EMC immunity:** EN 61547
- Safety:** EN 61347-2-11
- Isolation:** Double isolated
- Environment:** Complies with WEEE and RoHS directives.

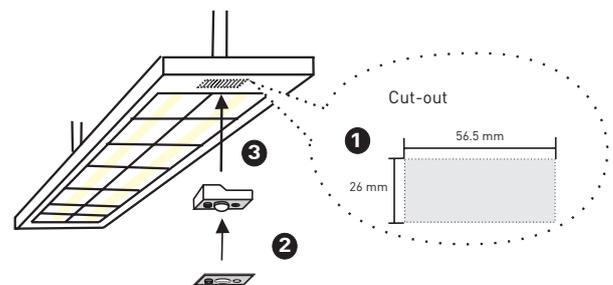
### Typical connection: to iDim Solo



### Dimensions (mm)



### Typical mounting: with fascia



### Alternative mounting: without fascia

