iDim Sense System & Standalone (315)

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.
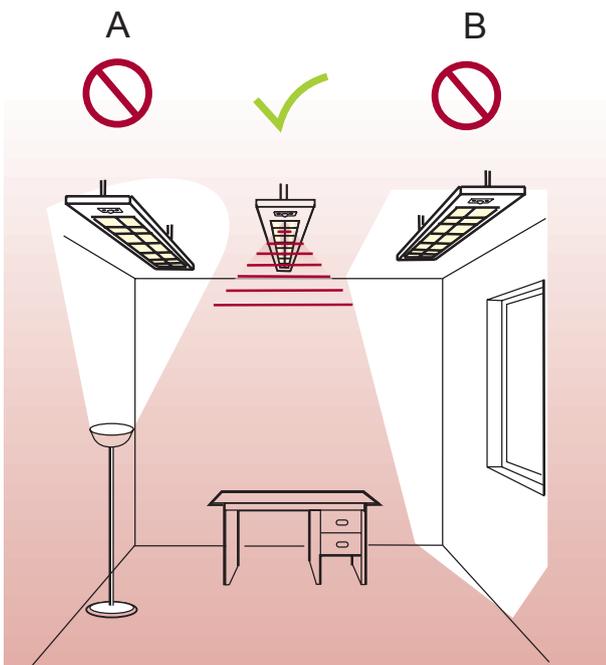
Key Features

- 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
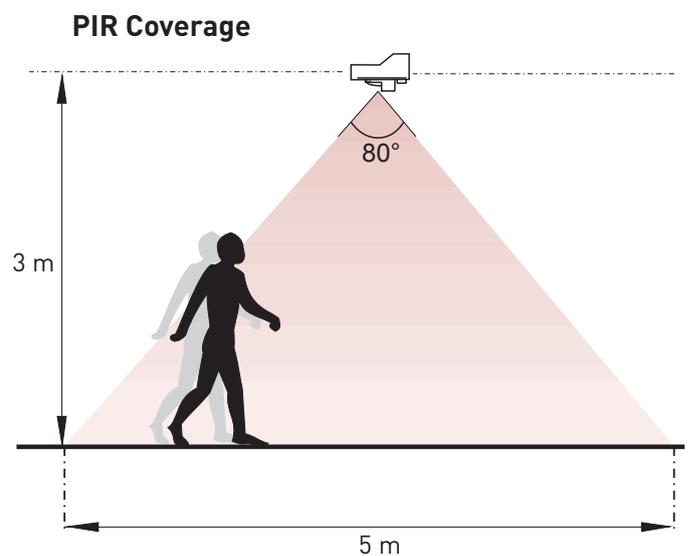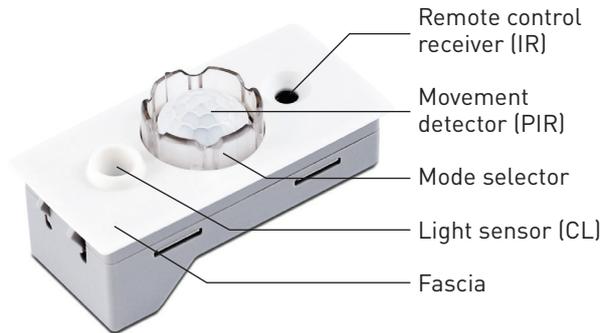- Network compatible with DIGIDIM Toolbox and Helvar 905, 910 or 920 Router systems

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
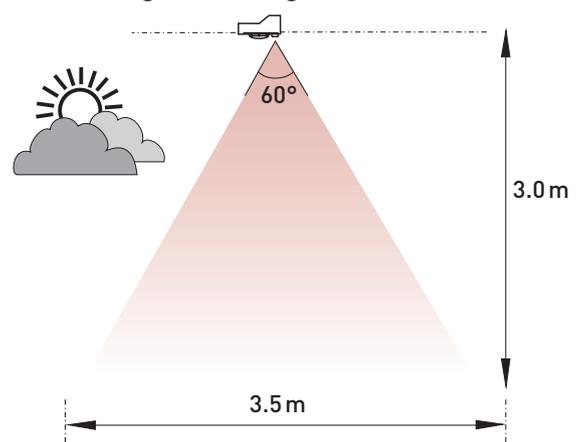
Recommended Mounting Location

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

Remote control receiver (IR)
Movement detector (PIR)
Mode selector
Light sensor (CL)
Fascia

PIR Coverage

80°
3 m
5 m

Constant Light Coverage

60°
3.0 m
3.5 m

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

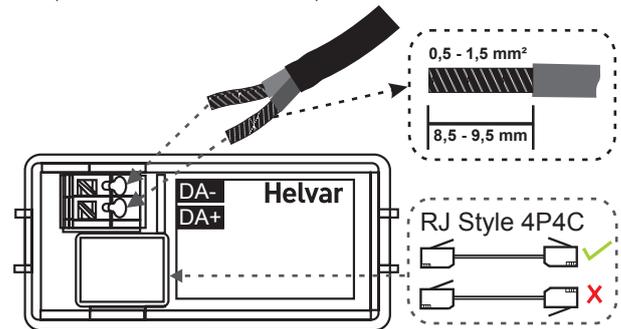## Operating conditions

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

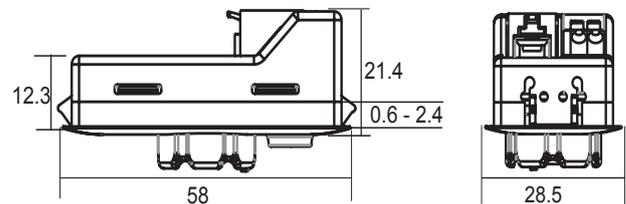|	
EMC Emission:	EN 55015
EMC Immunity:	EN 61547
Safety:	EN 61347–2–11
Isolation:	Double isolated
Environment:	Complies with WEEE and RoHS directives

Connections

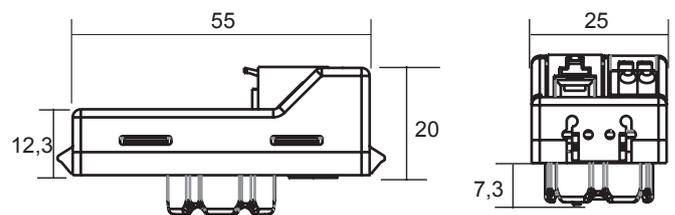Note: To remove DALI wiring, always press down on the push wire connector clips.
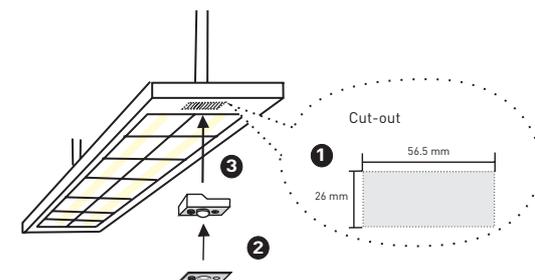

Dimensions (mm)

iDim Sense with fascia

iDim Sense without fascia

Typical mounting: with fascia

Alternative mounting: without fascia