**digidim**

Helvar

315 iDim Sense System & Standalone

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

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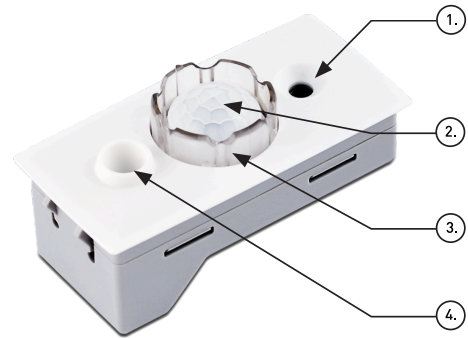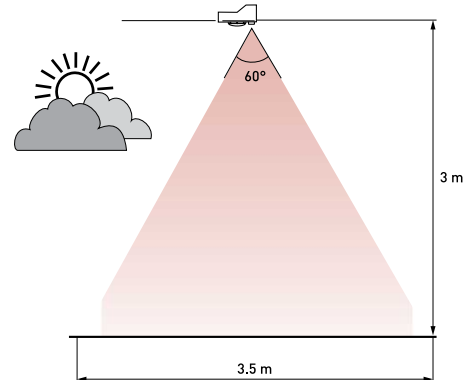
Key Features

- 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.
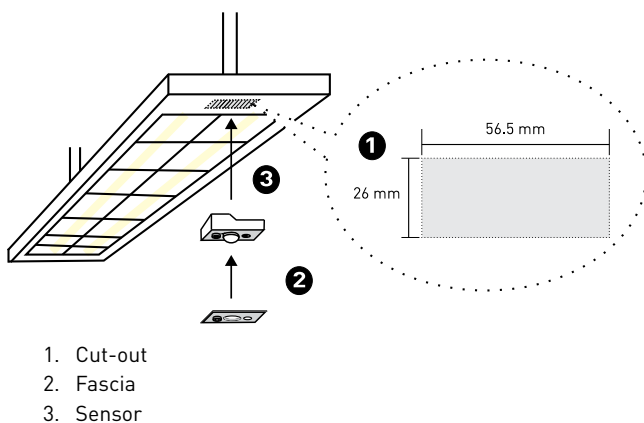- Compatible with Helvar's lighting system design and control software (Designer and Toolbox).

PIR Coverage

80°

3 m

5 m
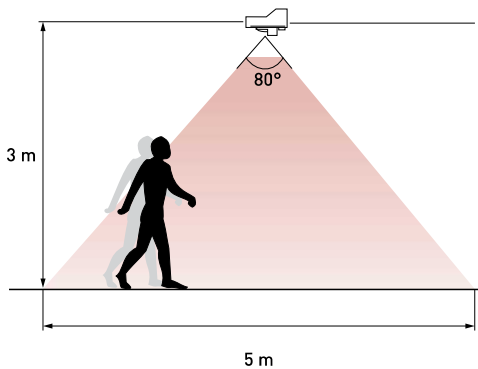
Constant Light Coverage

60°

3 m

3.5 m

Typical mounting: with fascia

56.5 mm

26 mm

1. Cut-out
2. Fascia
3. Sensor

Alternative mounting: without fascia

0.6 mm – 2.4 mm   *

Ø 9.5   Ø 21   Ø 9.5

10.5   17   17   10.5

55
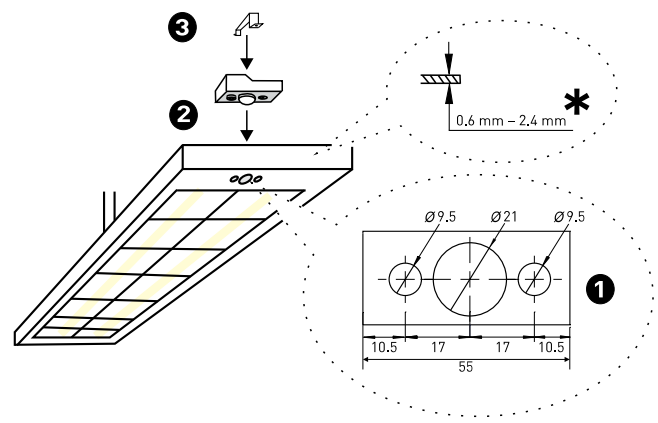
1. Cut-out
2. Sensor
3. Fixing Bracket

*: Recommended housing thickness
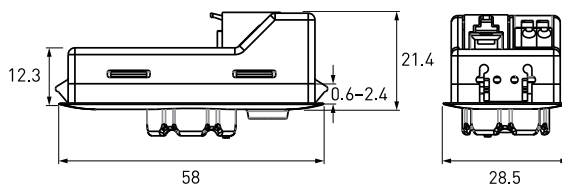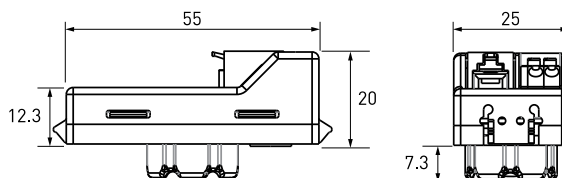
Connections

(0.5–1.5) mm²

(8.5–9.5) mm

RJ Style 4P4C ✓ ✗
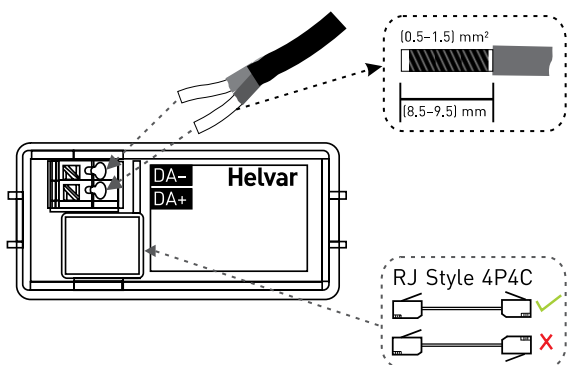
⚠ Note: To remove DALI wiring, always press down on the push wire connector clips.

Dimensions (mm)

iDim Sense with fascia

12.3   21.4   0.6–2.4

58   28.5

iDim Sense without fascia

55   12.3   20   25   7.3

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.

Electrical data	
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

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

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

Conformity and standards	
Conformity:	CE UKCA
EMC Emission:	EN 55015
EMC Immunity:	EN 61547
Safety:	EN 61347–2–11
Isolation:	Double isolated
Environment:	Complies with WEEE and RoHS directives.

315 iDim Sense System and Standalone: Datasheet
Data is subject to change without notice.

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