Product Data Sheet

iDim Sense (System & Standalone)

iDim
315

The iDim Sense is a luminaire-based DALI sensor. It combines a movement detector (PIR), remote control receiver (IR) and photocell (CL) in one enclosure and a manual mode selector which allows the user to easily select one of the 6 out-of-box application modes. It also benefits from additional system functionality when used with DIGIDIM Toolbox and Helvar 910/920 Router systems.
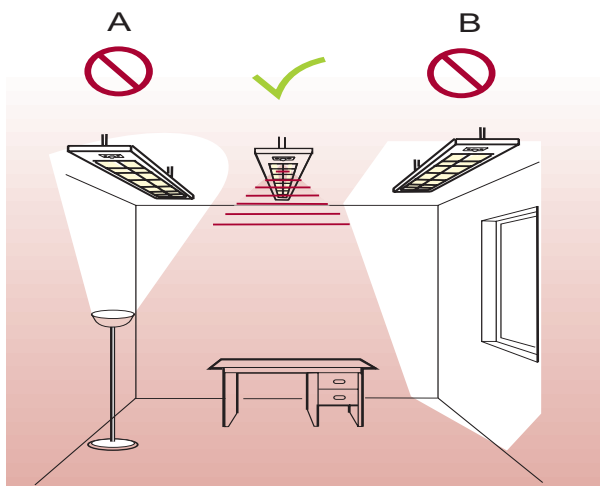
Key Features

- 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
- Network compatible with DIGIDIM Toolbox and Helvar 910/920 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. "Adapter fit"

- Isolate the mains supply before installation
- DALI cabling must be 230 VAC mains rated

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

PIR Coverage

85°
3.0 m
0.5 m
PIR restrictor exclusion area
0.8 m
4.5 m without restrictor

Recommended Mounting Location

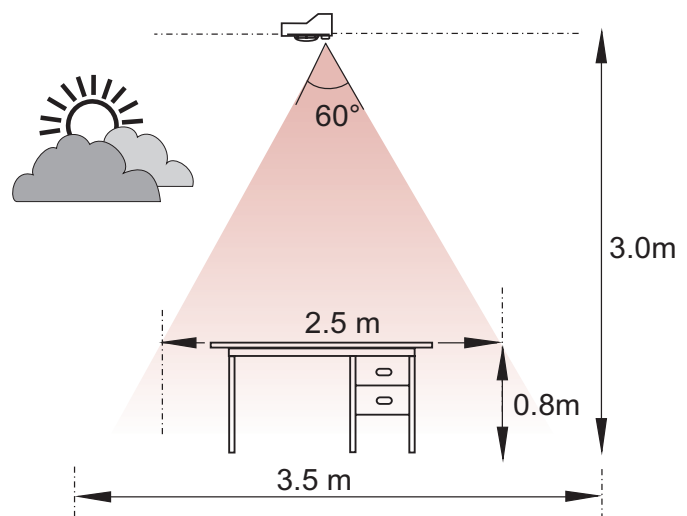A   B

A) Do not mount sensor in direct line of artificial light sources e.g. lamps, uplighters.
B) Do not mount sensor in direct sunlight
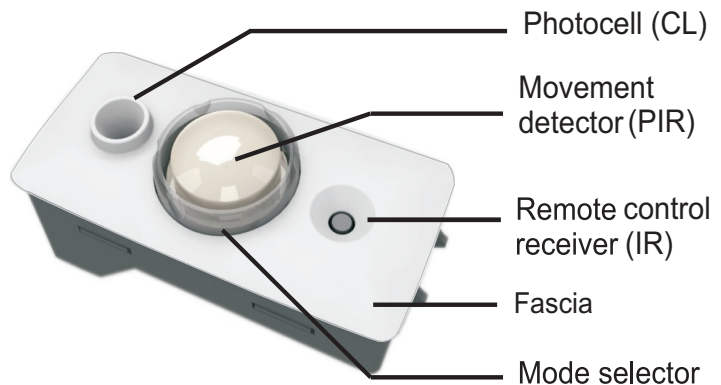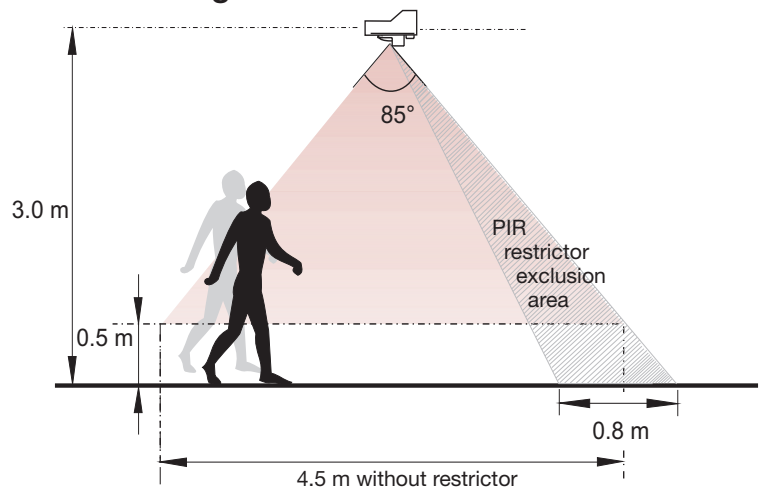
Constant Light Coverage

60°
3.0m
2.5 m
0.8m
3.5 m

Helvar
www.helvar.com

Connections

DALI:	Removable connector block
	Wire size: 0.5 mm^2 - 1.5 mm^2
	Stripped 9mm
	Solid, flexible or stranded
iDim Solo:	RJ Style 4P4C crossover
	Max. length 3 m (accessory cable available)
Power cable rating:	All cables must be mains rated

Power

DALI Consumption:	10 mA

Mechanical Data

Dimensions (L x W x H):

Unit without fascia:	55 mm x 25 mm x 20 mm
Unit with fascia:	58 mm x 28.5 mm x 21.4 mm
Material (casing):	Non flammable ABS (UL94-V0 & UV resistant)
Colour: iDim Sense:	White (RAL 9016)
iDim Fascia:	White (RAL 9016) or Grey (RAL 9006)

Contact Helvar for additional Fascia colour options

Weight:	15 g
Recommended Luminaire Thickness:	0.6 mm to 2.4 mm
Lux level:	5 - 5000 lx
IP rating:	IP30

Operating Conditions

Ambient Temperature:	10ºC to 50ºC
Relative Humidity:	Max 90%, non-condensing
Storage Temperature:	-25°C to +75°C

Conformity and Standards

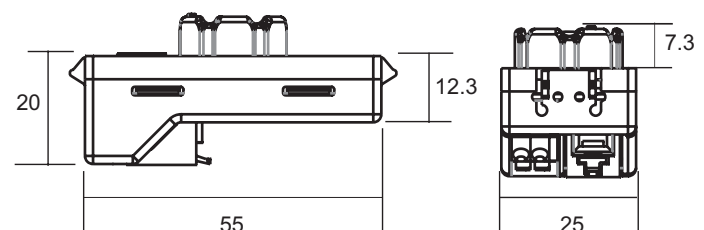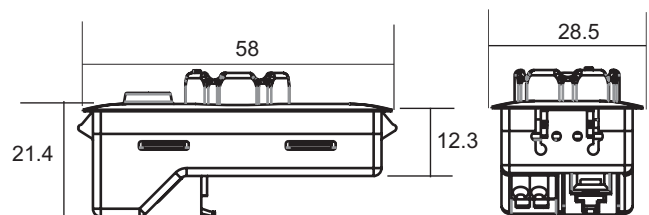|		
DALI:		According to DALI standard, with Helvar extensions
EMC:	Emission	EN 55 015
	Immunity	EN 61 547
Safety:		EN 61 347-2-11
Isolation:		Double isolated
Environment:		Complies with WEEE and RoHS directives

Connections
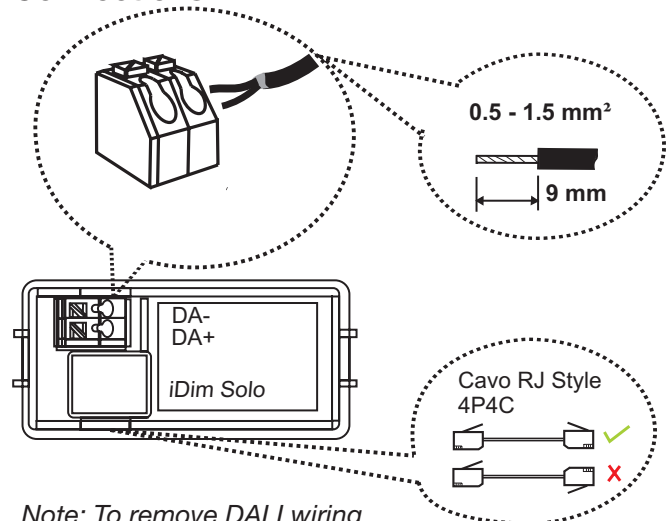
Note: To remove DALI wiring, always press down on the push wire connector clips
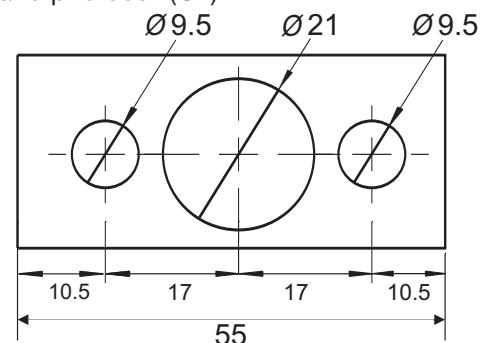
Dimensions (mm)

iDim Sense without fascia

iDim Sense with fascia

Movement detector (PIR), remote control receiver (IR) and photocell (CL)