



## 322 HIGH BAY

Automatically control lighting loads at heights that are too high for general sensors.

Gasket-sealed to guard against dust and water, the Helvar 322 is an IP65 sensor designed to save energy from a height.

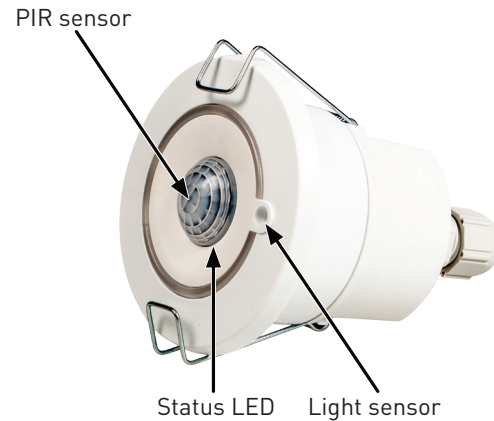
Ideal for your warehouse or factory, it fits easily into any DALI system.

And unlike most sensors, its detection sensitivity is less dependent on movement. That means you can cover a greater target area using fewer sensors.

Passive infra-red means there's light when people need it — and energy savings when they don't.

While a light sensor give you a bright-out function. So if natural light falls below your pre-set threshold level, the lights will switch on as required.

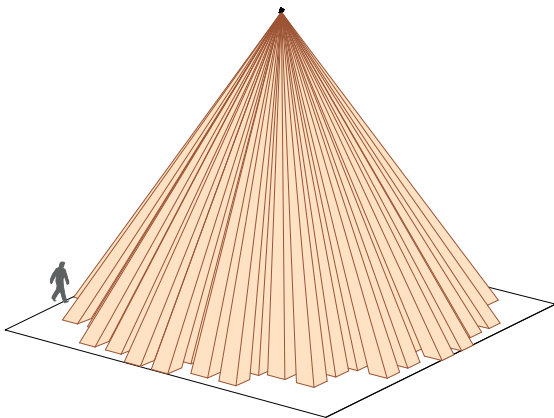
You can set up and program the 322 through our Designer or Toolbox software. Just hook it up and they'll instinctively find it.



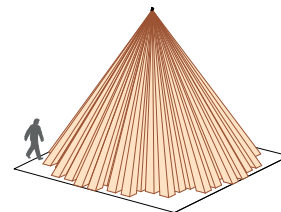
### Key features

- Excellent detection performance through high sensitivity and multidirectional coverage
- Suitable for applications with very high ceilings
- Protected against dust and water (IP65)
- Programmable bright-out control for energy efficiency
- Simple connection and integration into a Helvar DALI control network.
- Programmable in Designer and Toolbox.

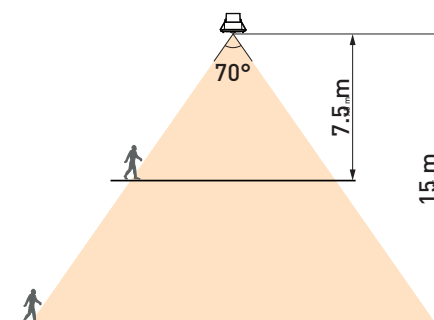
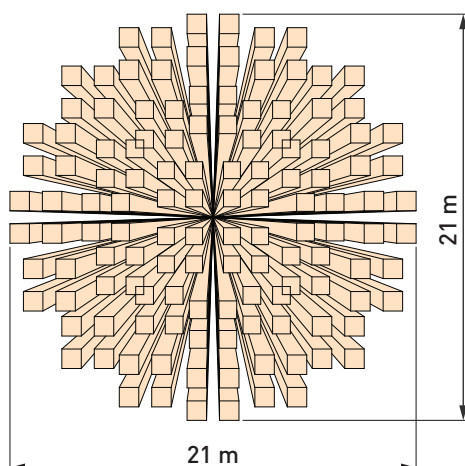
### Presence Detection Coverage at 15 m Height



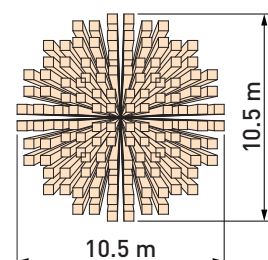
### Presence Detection Coverage at 7.5 m Height



#### Detection pattern at floor level for 15 m mounting height



#### Detection pattern at floor level for 7.5 m mounting height



## Technical Data

### Connections

DALI:	Removable connector block
Cable jacket diameter:	4.5 mm – 7 mm
Wire section:	0.5 mm <sup>2</sup> – 1.5 mm <sup>2</sup> solid or stranded
Cable rating:	All cables must be mains rated.

### Power

DALI supply input:	13 V – 22.5 V
DALI consumption:	5 mA

### Sensors

Light sensor:	For bright-out function
Presence detector:	Passive infrared (PIR)

### Mechanical data

Max. recommended mounting height:	17 m
Presence detection coverage area:	346 m <sup>2</sup> @ 15 m mounting height 87 m <sup>2</sup> @ 7 m mounting height
Mounting hole diameter:	52 mm – 55 mm
Bezel diameter:	66 mm
Recommended clearance depth:	12 cm (with cable cover, incl. 5 cm for cabling)
Material (casing):	Nonflammable PC/ABS (UL94-V0)
Finish / Colour:	Semi-matt / White RAL 9003
Weight:	70 g
IP code:	IP65

### Operating and storage conditions

Ambient temperature:	0 °C to +50 °C
Relative humidity:	Max. 90 %, noncondensing
Storage temperature:	-10 °C to +70 °C

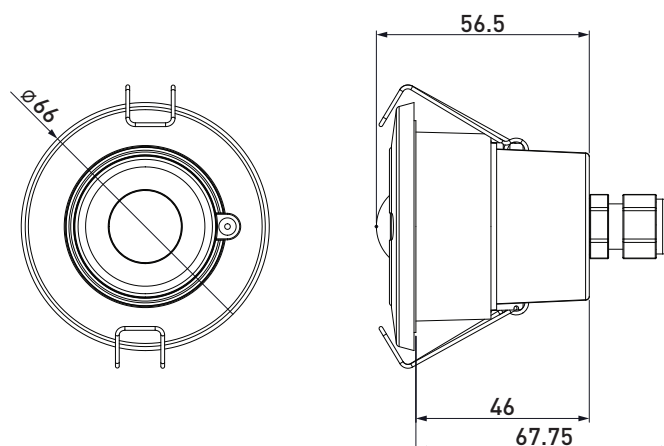
### Conformity and standards

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

### Software compatibility

Designer:	5.4.2 or later
Toolbox:	2.5.0 or later

### Dimensions (mm)



### Connections

