

High-Bay PIR Spot Detector (319)

The 319 High-Bay PIR Spot Detector is a compact unit that provides energy-saving functions in a DALI system. It contains these sensors:

- Passive infrared detector (PIR)
- Infrared receiver

It is designed for use in buildings with high ceilings, such as warehouses, where an accurate trigger point is required on entry to an aisle or corridor. It can be used in conjunction with Helvar's 317 High-Bay PIR Presence/Absence Detector where greater coverage is required. The 319 is compatible with Helvar's lighting system design and control software: Designer, and Toolbox.

Key Features

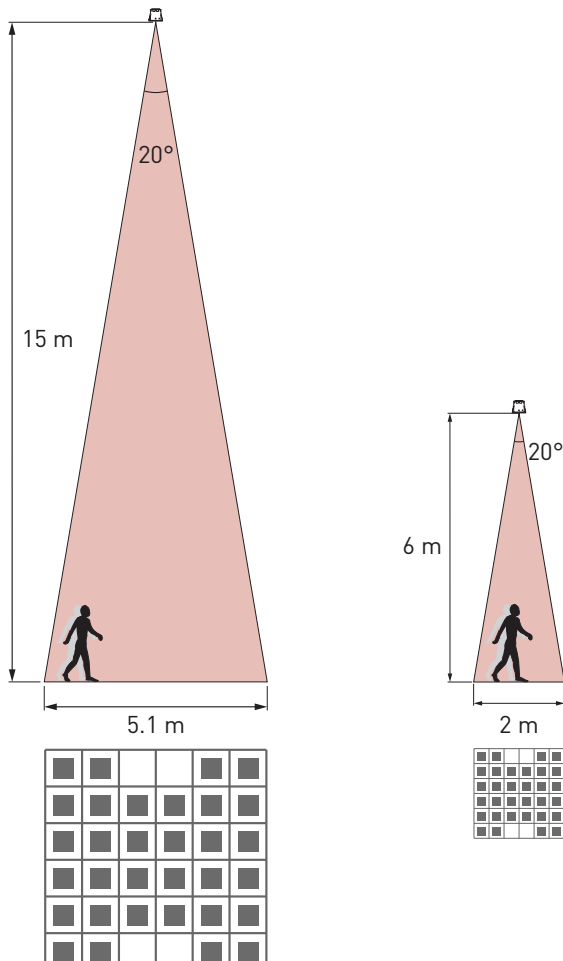
- The PIR sensor detects movement within detection range, allowing load control in response to changes in room occupancy.
- Status LEDs flash red to indicate the following:

Valid setting received	
Identify Active	

= Red LED



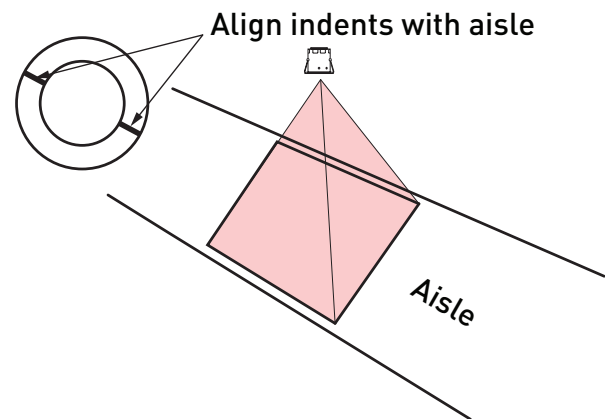
Detection Pattern



Installation

The High-Bay PIR Spot Detector can be mounted into a ceiling or wall void, or onto a solid surface using Helvar's SBB-A or SBB-P back boxes.

Aisle Mounting



Technical Data

Connections

External power / DALI: Removable connector block.
Wire size: 0.5 mm² – 1.5 mm²
solid or stranded.

Cable rating: All cables must be mains rated.
Max. length: 300 m @ 1.5 mm²

Power

DALI supply input: 13 V to 22.5 V

DALI consumption: 15 mA

Sensors

Presence detector: PIR: Passive infrared presence detector

Infrared receiver: For remote control commands.
Note: Adjust sensitivity using Designer or Toolbox (not by remote control unit).

Mechanical data

Mounting hole diameter: 68 mm

Bezel diameter: 76 mm

Material (casing): Flame-retardant ABS

Finish / Colour: Matt / White RAL 9003

Weight: 82 g

IP code: IP40

Operating conditions

Ambient temperature: 0 °C to +35 °C

Relative humidity: Max. 90 %, noncondensing

Storage temperature: -10 °C to +70 °C

Conformity and standards

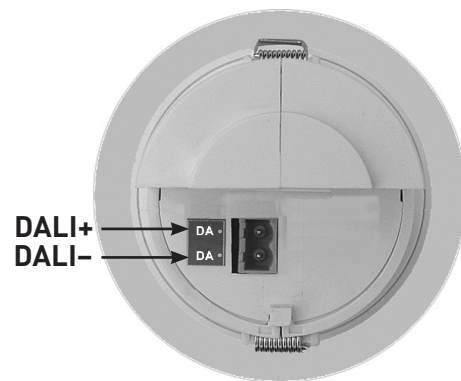
EMC emission: EN 61000-6-1

EMC immunity: EN 61000-6-3

Safety: EN 60730-1

Environment: Complies with WEEE and RoHS directives.

Connections



Dimensions (mm)

