



Helvar 322 High Bay Multi Motion Sensor Installation Guide

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Helvar

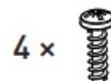
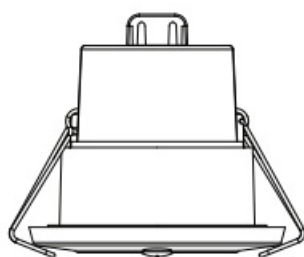
Helvar 322 High Bay Multi Motion Sensor

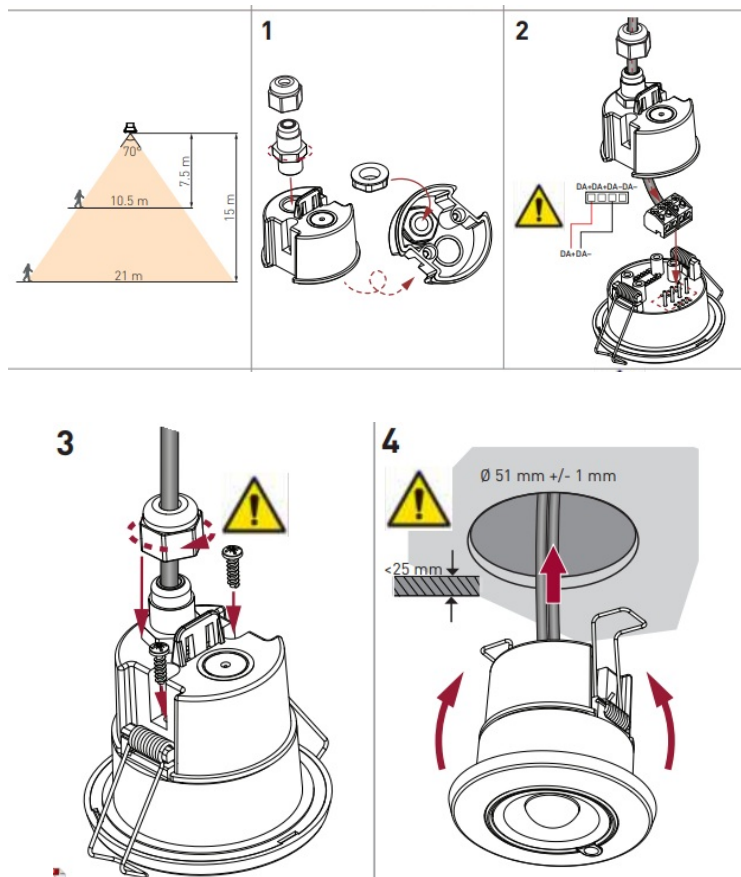


Installation

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Note: Use a junction box in all specialist application installations, such as those where cables with enhanced insulation and insulation shields are required. Be aware that excessive force can compromise installation. Contact technical support for any further details.

Technical Data

Connections

- DALI: Removable connector block
- Cable jacket diameter: 4.5 mm – 7 mm
- Wire section: 0.5 mm² – 1.5 mm² solid or stranded
- Cable rating: All cables must be mains rated.

Power

- DALI supply input: 12 V – 22.5 V
- DALI consumption: 10 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 m² @ 15 m mounting height
87 m² @ 7 m mounting height
- Mounting hole diameter: 51 mm +/- 1 mm
- Note: If replacing older sensor then 52 mm to 55 mm mounting hole is acceptable.
- Ceiling thickness: Maximum 25 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 / Color: 322, 322D2: Semi-matt / White
- RAL 9003 322B, 322BD2: Semi-matt / Anthracite grey RAL 7016
- 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

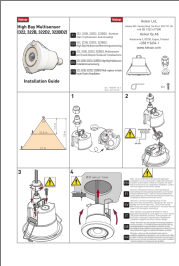
- DALI: IEC62386, Parts 101, 103, 303 and 304.
- EMC emission: EN 55015
- EMC immunity: EN 61547
- Safety: EN 61347-2-11
- Environment: Complies with WEEE and RoHS directives.

Compatibility (322D2, 322BD2)

- Router: 950
- Designer: 5.8.2 or later

Compatibility (322, 322B)

- Router: 905, 910, 920, 950
- Designer: 5.4.0 or later



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322, 322B, 322D2, High Bay Multi Motion Sensor, Multi Motion Sensor, Motion Sensor, Sensor