DUS30LHB-D

Multifunction DALI Sensor
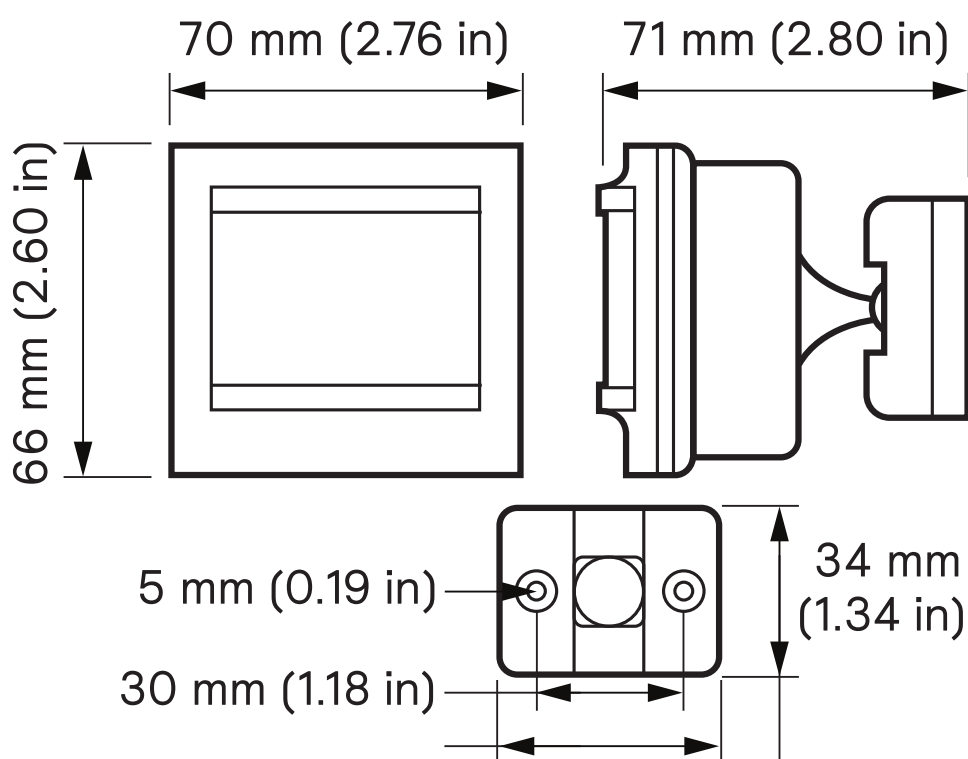
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Specification Sheet

Long-range high bay DALI network sensor

The Dynalite DUS30LHB-D is a 30° multifunction sensor that combines motion detection (PIR) and ambient light level detection (PE) in one device. The sensor uses the DALI protocol for power and communications to a network control system, eliminating the need for additional network field wiring, and is useful for long-range detection.

Key Features

- **DALI device** – Designed to operate seamlessly with the Dynalite DDBC120-DALI or DDBC320-DALI controller

- **Powered directly by DALI network** – Eliminates the need for additional network field wiring.

- **Motion detection feature** – Detects the presence or absence of motion and triggers a programmed action.

- **Ambient light level regulation** – In applications where precise, even lighting is critical, the PE function measures ambient levels and adjusts artificial light accordingly.

- **Daylight harvesting** – When used in conjunction with a networked open loop daylight sensor.

- **Infrared receive capability** – Enables sign-in identification to the networked system.

- **Corridor hold** – Links corridor areas with adjacent rooms so corridor remains lit while occupancy is detected in adjacent rooms.

- **Targeted positioning** – Directional wall-mounting block allows sensors to be easily mounted and directed at the required area.

Dimensions

Due to continuous improvements and innovations, specifications may change without notice.

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Specifications

Electrical

Supply Type	DALI / ELV
Supply Voltage	9.5-22.5 VDC
Supply Current	9 mA
DALI Insulation	Basic
IEC Overvoltage Category	III

Motion Detection (PIR)

Sensor	Dual element pyroelectric
Max Detection Range	30.5 m (100 ft) Typical range at ≤25°C (77°F) Range reduced at higher temperatures
Scan Beam Angle	30°

Light Detection (PE)

Lux Range	5-10,000 lux

Control

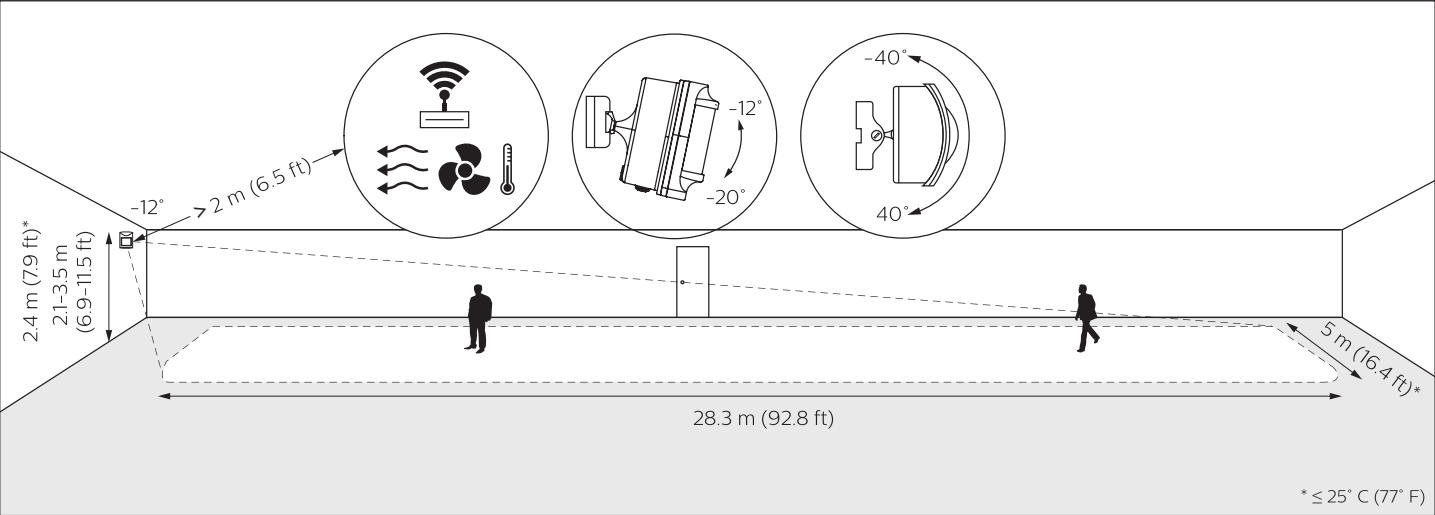|	
Communication Ports	1 x DALI
User Controls	Infrared (RC5 IR remote control) 1 x service switch
Indicators	1 x motion LED (red)

Physical

Dimensions	66 x 70 x 71 mm (2.60 x 2.76 x 2.80 in)
Packed Weight	0.116 kg (0.26 lb)
Construction	Polycarbonate enclosure
Colour	RAL9010 (White)
Serial Ports	1 x 2-way screw terminal
Serial Port Conductor Size	≤0.75 mm² (#18+ AWG) (Flylead included)

Environment

Operating Temperature	-5° to 50°C ambient (23° to 122°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Relative Humidity	≤90% non-condensing
IEC Pollution Degree	II

Compliance

Certifications	CE, RCM, UKCA, RoHS
IP Rating	IP40 (When installed per manufacturer instructions)

Detection Area

Ordering Codes

Product	12NC
DUS30LHB-D	913703015609

Accessory		12NC
IRT9090/01	Commissioning & testing RC5 IR remote control	913700359103