DNS360LB-CS-PIR-DALI

Multifunction DALI Sensor

Specification Sheet

Sensors > Low Bay



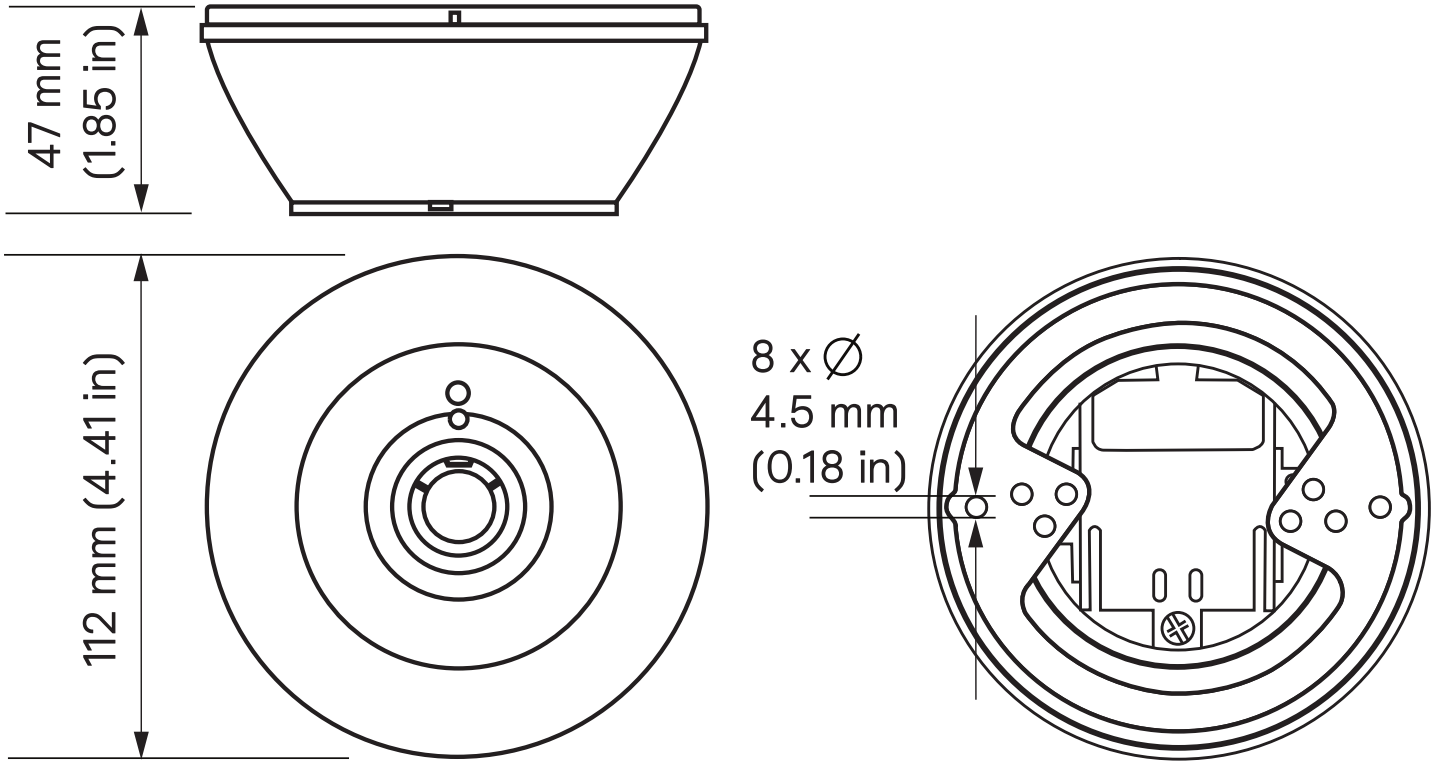
Surface mount 360° ceiling sensor

The Dynalite DNS360LB-CS-PIR-DALI is a surface-mountable 360° multifunction sensor that combines motion detection (PIR), infrared remote control reception (IR), and ambient light level detection (PE) into one device for applications such as hospitality, dining, and residential.

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.
- **Segmented click-up bezel** – Surrounds the motion sensor element and enables a portion of the sensing field to be masked. This prevents nuisance detection from adjacent doorways or corridors.
- **Multiple mounting options** – Can be partially recessed or surface-mounted using the supplied butterfly clips or junction box.
- **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 mode** – Delivers automatic energy savings.
- **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.

Dimensions



Specifications

Electrical

Supply Type	DALI / FELV
Supply Voltage	9.5-22.5 VDC
Supply Current	5.5 mA
DALI Insulation	Basic
IEC Overvoltage Category	III

Motion Detection (PIR)

Sensor	Quad element pyroelectric
NOTE:	PIR detection requires a temperature difference between the subject and background surfaces of at least 4°C (7.2°F)

Light Detection (PE)

Lux Range	5-5,000 lux

Control

Communication Ports	1 x DALI
User Controls	Infrared (RC5 IR remote control) 1 x service switch
Receiver Startup Time	<1.2s
Indicators	1 x motion LED (red)

Physical

Dimensions	47 x 112 mm (1.85 x 4.41 in)
Packed Weight	0.166 kg (0.37 lb)
Construction	Polycarbonate enclosure
Colour	RAL9003 (White) RAL9005 (Black)
Serial Ports	2 x screw terminal
Serial Port Conductor Size	2.5 mm² (#12 AWG) (max) OR 2 x 1 mm² (#16 AWG) (max)
Mounting Substrate Thickness	3-25 mm (0.12-0.98 in)

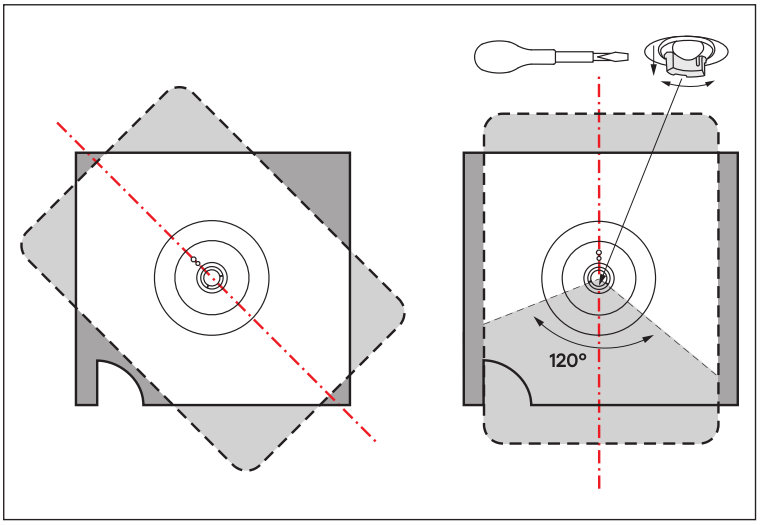
Environment

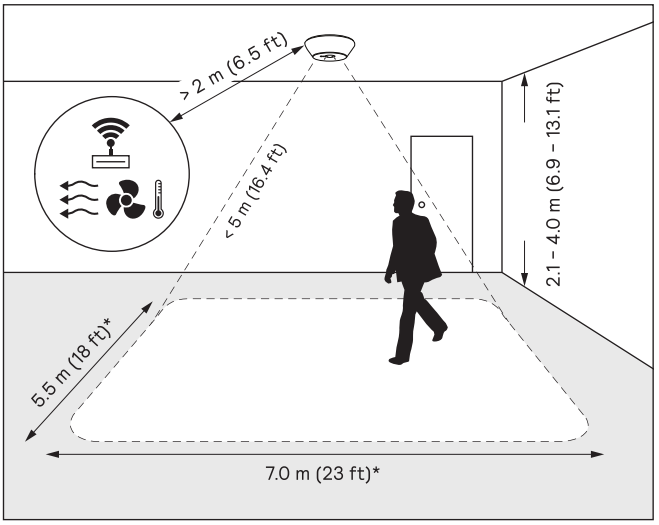
Operating Temperature	0° to 45°C ambient (32° to 113°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Relative Humidity	≤90% non-condensing
IEC Pollution Degree	II
Installation Note	For indoor installation only

Compliance

Certifications	CE, CB, RCM, UL/cUL, FCC, ISED, UKCA, DALI-2
Sustainability	RoHS, REACH, WEEE
IP Rating	IP20

Detection Area





Ordering Codes

Product		12NC
DNS360LB-CS-PIR-DALI	RAL9003 (White)	913703404909
DNS360LB-CS-PIR-DALI-RAL9005	RAL9005 (Black)	913703405009

Accessory		12NC
DNS360CCA	Customisable faceplate (pack of 40)	913703405609

Policies and Notices

Specific Data Notice

This Specific Data Notice applies to the sensors as specified in this product specification sheet (the **"Sensor"**) that is part of or works with a Professional System offered by Signify for use in the European Union and supplements and/or corrects the Generic Data Notice For Professional Systems and Services that can be found at https://www.signify.com/global/resources/policies-announcements (the **"Generic Data Notice"**) by providing additional and/or more specific details specific to this Sensor.

Terms starting with a capital in this Specific Data Notice will have the meaning as attributed thereto in the Generic Data Notice, unless explicitly defined otherwise in this document.

When used in a Signify professional lighting system in combination with a Dynalite Gateway with either the Dynalite Switch App, Dynalite System Builder, Dynalite System Manager, or Dynalite Cloud, the Sensor can generate the Data as specified below (The type and volume and format of Data that is generated depends on the product and/or software configuration and subscription to the relevant software service):

- Operational Data: Lighting control commands based on sensor events as configured in this sensor via the RS-485 DyNet network
- Sensor Data: Motion event count, lux levels reporting via the RS-485 DyNet network.

The Data generated in this combination is communicated via the DALI Controller and the network to the gateway and is stored on the gateway. If configured to do so, the gateway can forward the Data to Dynalite Cloud or to Dynalite System Manager. For applicable retention period and means of access to Data that is Readily Available Data, please refer to the Dynalite Cloud software specification sheet. Data cannot be accessed directly from the Sensor (In typical use, once the connected product has been commissioned, data generated on the device is not directly accessible). Data can be accessed from the Gateway using Dynalite System Builder or directly from any of the APIs of the Gateway. The Gateway will persist the Data for 28 days on a rolling basis.

This Specific Data Notice may be changed by Signify from time to time. The current version of this notice will apply and can be obtained at request via the point of contact as indicated in paragraph 7 of the Generic Data Notice.

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