



# DUS360CS-D

Multifunction Sensor

## Surface mount 360° ceiling sensor

The Philips Dynalite DUS360CS-D is a surface mountable 360 degree multifunction sensor that combines motion detection (PIR), infrared remote control reception (IR) and ambient light level detection (PE) into one device in applications such as hotels, restaurants and homes.

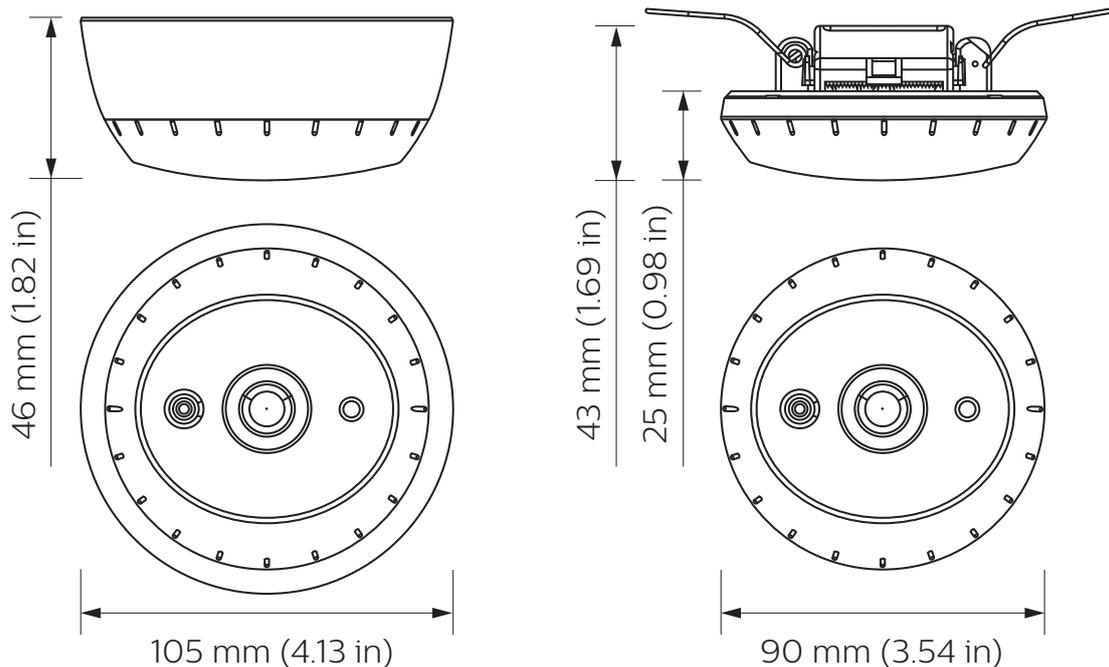
# DUS360CS-D

## Surface mount 360° ceiling sensor

- **DALI device** – Designed to operate seamlessly with the Philips Dynalite DDBC120-DALI or DDBC320-DALI controller.
- **Motion detection feature** – Detects the presence or absence of motion and adjusts lights accordingly.
- **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.
- **Ambient light level regulation** – In applications where it is critical to maintain precise light levels, the PE function reads ambient levels and adjusts artificial light accordingly.
- **Powered directly by the DALI network** – Eliminates the need for additional network field wiring.
- **Multiple mounting options** – Can be partially recessed or surface-mounted using the supplied butterfly clips or junction box.
- **Daylight harvesting mode** – Delivers automatic energy savings.
- **Infrared receive capability** – Manually adjust light levels using a hand-held remote control, via the inbuilt IR receiver.
- **Corridor hold** – Links corridor areas with adjacent rooms so corridor remains lit while occupancy is detected in adjacent rooms.

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## Dimensions



# Specifications

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



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## 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                  | Quad element pyroelectric |
| Maximum Detection Range | 5 m (16.4 ft)*            |
| Detection Area          | See next page             |

## Light Detection (PE)

|           |            |
|-----------|------------|
| Lux Range | 5-5000 lux |
|-----------|------------|

## Control

|              |  |
|--------------|--|
| Serial Ports | 1 x DALI   |
| User Input   | Infrared (RC5 IR remote control)<br>1 x service switch |
| Indicators   | 1 x red motion LED                                     |

\* Typical detection range at  $\leq 25^{\circ}\text{C}$  (77°F). Range is reduced at higher temperatures.

## Physical

|                               |  |
|-------------------------------|--|
| Dimensions (H x W)            | 46 x 105 mm (1.82 x 4.13 in)   |
| Packed Weight                 | 0.166 kg (0.37 lb)   |
| Construction                  | Polycarbonate plastic enclosure  |
| Color                         | RAL9010 (White)<br>RAL9005 (Black)   |
| Serial Ports                  | 2 x screw terminal   |
| Screw Terminal Conductor Size | 2.5 mm <sup>2</sup> (#12 AWG) (max)<br>Or<br>2 x 1 mm <sup>2</sup> (#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) |
| Humidity                      | 0 to 90% non-condensing              |
| IEC Pollution Degree          | II                                   |

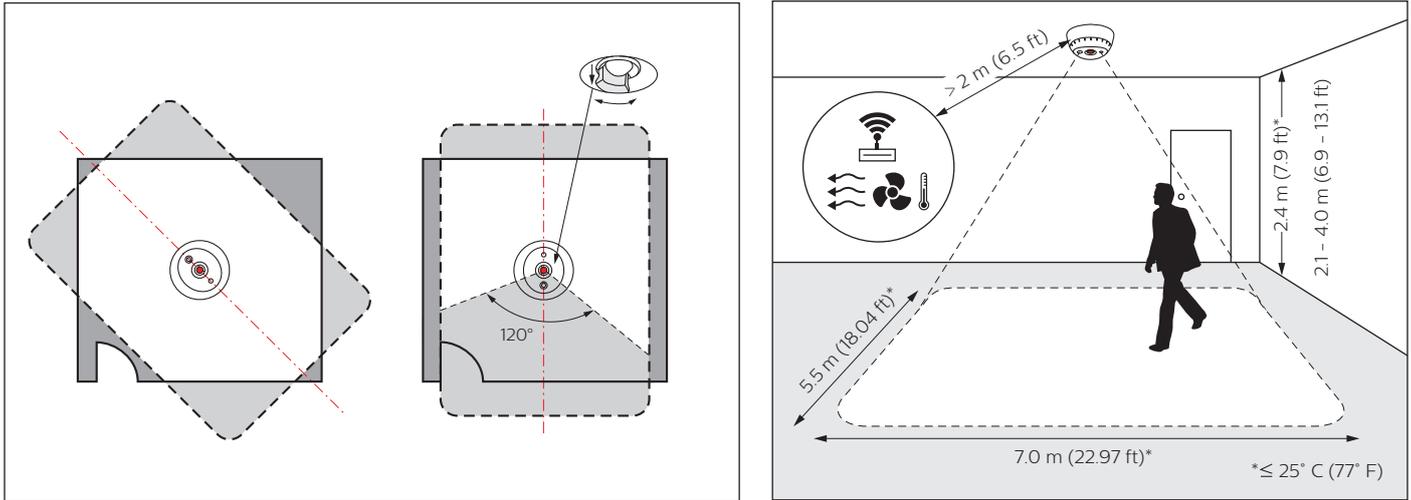
## Compliance

|               |  |
|---------------|--|
| Certification | CE, RCM, UL/cUL, FCC, ICES, UKCA, RoHS |
| IP Rating     | IP20                                   |

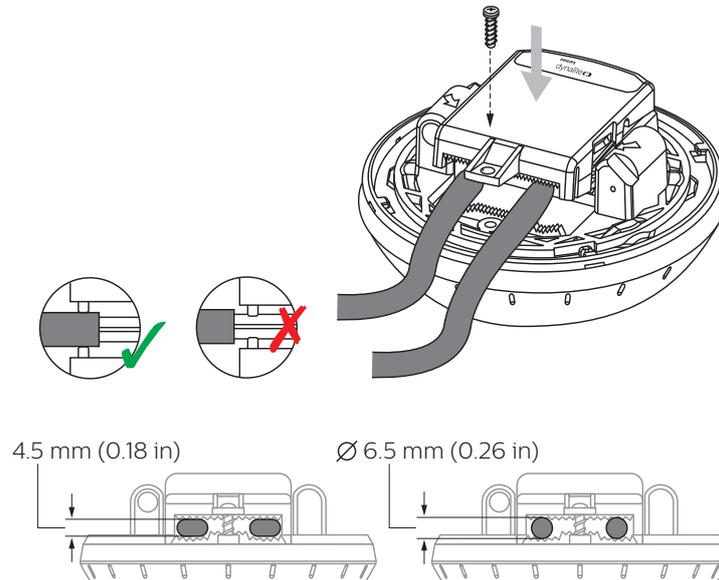
\*\* For Indoor Installation only



## Detection Area



## Cable Diameter



## Ordering Code

### Product

DUS360CS-D

**Philips 12NC**

913703023909

DUS360CS-D-RAL9005 (Black)

913703352009

### Accessories

IRT9090/01 (commissioning & testing RC5 IR remote control)

**Philips 12NC**

913700359103

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