

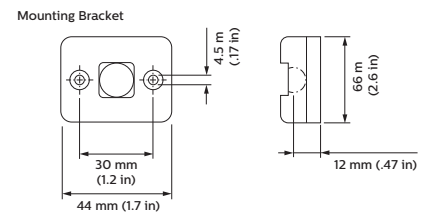
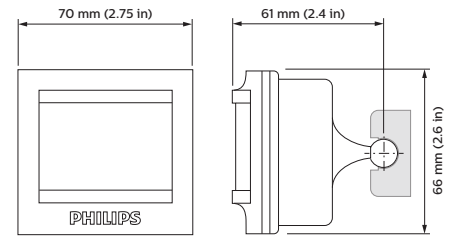


DUS90-AHB-DALI Multifunction Sensor

Aisleway high bay DALI network sensor

The DUS90-AHB-DALI is a 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. This sensor is ideal for mounting between warehouse shelving.

- MultiMaster compatible — Fully compatible with a Philips Dynalite DALI MultiMaster controller, such as the DDBC120-DALI.
- Motion detection feature — Detects the presence or absence of motion and triggers a programmed action.
- Ambient light level detection — In applications where it is critical to maintain precise lighting levels, the PE function reads ambient levels and adjusts artificial light accordingly.
- Daylight harvesting — When used in conjunction with networked open loop day lighting sensor.
- Infrared receive capability — Enables sign-in identification to the networked system.
- Additional networking advantages — Including reporting and monitoring software tools.
- Targeted positioning — Directional wall-mounting block allows sensors to be easily mounted and directed to the required area.



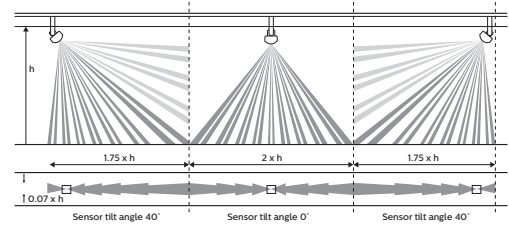
For detailed product information, please refer to the product information pages at www.philips.com/dynalite and follow the links.

Specifications

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

| Item | Specification | Details |
|--------------------|--------------------------|---|
| Sensor | Motion Detector | Standard sensitivity Maximum detection range: 15 m Detection pattern: $L = 2 \times \text{Height}$ $W = 0.7 \times \text{Height}$ Detection zones: 90° wide angle lens with 9 beams in 1 detection layer. LED activation indicator Sensor: Dual element pyroelectric |
| | PE Cell | Range 5 lux to 10,000 lux (incident on sensor) Range 5 lux to 10,000 lux (illumination of non-reflective surface in sensor field of view) |
| | IR Receiver | Philips RC5 codes Network sign-on functionality only 12 m max range |
| Interface | Controls | Walk test, IR received, LED indicator, and service pushbutton |
| Network | Connection | 30 cm fly lead |
| | DALI Power Consumption | 9 mA |
| | DALI Supply Requirements | 9.5 - 22.5 VDC |
| | Control Bus | DALI bus with a Philips Dynalite MultiMaster controller |
| | Configurations | All functions remotely programmable |
| Physical | Dimensions (H x W x D) | 66 mm x 70 mm x 61 mm (2.6" x 2.75" x 2.4") |
| | Packed Weight | 0.116 kg (0.26 lbs) |
| | Construction | Polycarbonate White (RAL 9010) |
| | Operating Conditions | Temperature: -5 to 50°C ambient Humidity: 10 to 90% non-condensing |
| | Storage & Transport | Temperature: -25 to 60°C ambient Humidity: 0 to 90% non-condensing |
| Certification | Certification | CE, C-Tick |
| Options & Ordering | Standard Product | DUS90-AHB - DALI (Philips I2NC - 913703015409) |

Lens Pattern



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