



DUS90AHB-D

Multifunction Sensor

Aisleway high bay DALI network sensor

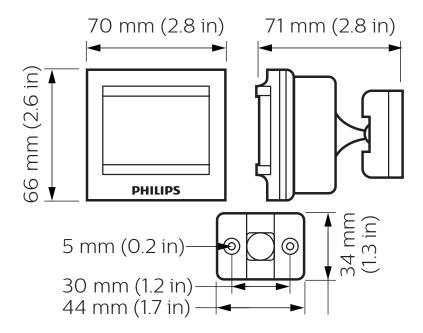
The Philips Dynalite DUS90AHB-D is a 90 degree multifunction sensor that combines motion detection (PIR) and ambient light level detection (PE) in one device. The sensor uses the DALI protocol for power and communications to a network control system, eliminating the need for additional network field wiring. This sensor is ideal for mounting between warehouse shelving.

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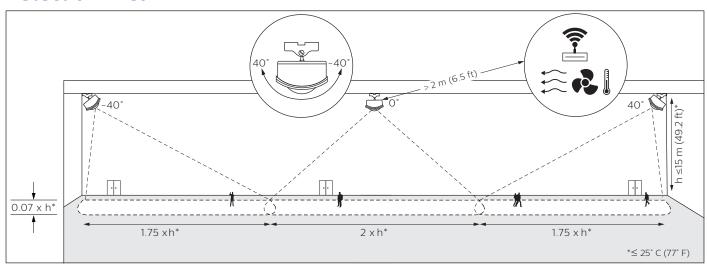
Aisleway high bay DALI network sensor

- DALI device Designed to operate seamlessly with the Philips Dynalite DDBC120-DALI or DDBC320-DALI controller.
- **Powered directly by the 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 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 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 wallmounting block allows sensors to be easily mounted and directed to the required area.

Dimensions



Detection Area



 $\begin{tabular}{ll} Specifications \\ Due to continuous improvements and innovations, specifications may change without notice. \\ \end{tabular}$



DUS90AHB-D **Multifunction Sensor**

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	
Maximum Detection Range	15 m (49 ft)*	
Scan Beam Angle	90°	
Detection Area	See next page	

Light Detection (PE)

Lux Range	5-10,000 lux
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Control	
Serial Ports	1 x DALI
User Input	Infrared (RC5 IR remote control) 1 x service switch
Indicators	1 x red motion LED

- Typical detection range at ≤ 25°C (77°F). Range is reduced at higher temperatures.
- Fly lead included.

Physical

Dimensions (H x W x D)	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 plastic enclosure
Color	White (RAL9010)
Serial Ports	1 x 2-way screw terminal
Screw Terminal Conductor Size**	0.75 mm² (#18 AWG) (max)

Environment

Operating Temperature	-5° to 50°C ambient (23° to 122°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, UKCA, RoHS
IP Rating	IP40 (When installed as per manufacturer instructions)



Ordering Code

Product	Philips 12NC
DUS90AHB-D	913703015409
Accessories	Philips 12NC
IRT9090/01 (commissioning & testing RC5 IR remote control)	913700359103

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