DUS360CR-DALI

Multifunction Sensor

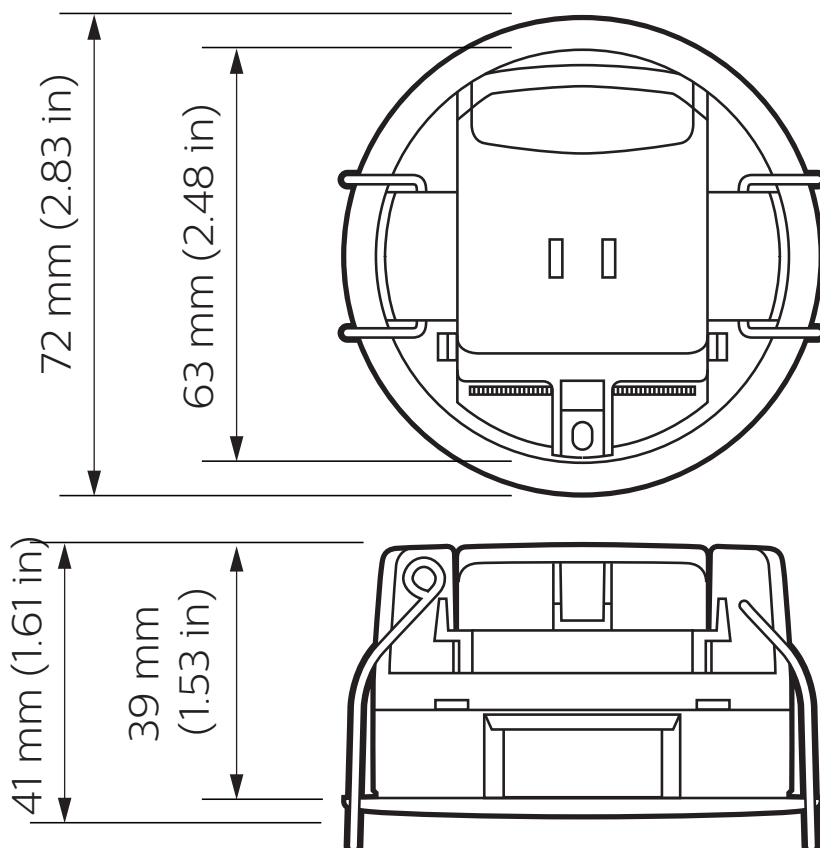## Low profile recessed 360° ceiling sensor powered by the DALI network

The Philips Dynalite DUS360CR-DALI is a recess mountable 360 degree multifunction sensor that combines motion detection (PIR) and ambient light level detection (PE) in one device. The DUS360CR-DALI is powered and communicates to the networked control system via a DALI bus.

DUS360CR-DALI
Low profile recessed 360° ceiling sensor powered by the DALI network

- **DALI MultiMaster device –** Designed to operate seamlessly with the Philips Dynalite DDBC120-DALI controller.

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

- **Motion detection feature** – Detection of motion within a scanned area triggers a programmed lighting 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.

- **Daylight harvesting mode** – Delivers automatic energy savings.

- **Ambient light level regulation** – In applications where it is critical to maintain precise light, the PE function reads ambient levels and adjusts artificial light levels accordingly.

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

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

- **Suitable for plenum use** – UL approved for installation in air-handling plenum spaces.

Dimensions

Specifications

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

DUS360CR-DALI
Multifunction Sensor

Electrical

Supply Type	DALI / ELV
Supply Voltage	9.5–22.5 VDC
Supply Current	9 mA
	(up to 10 user interfaces on one DALI universe)
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)
	1 x service switch
Indicators	1 x red motion LED

Physical

Dimensions (H x W)	41 x 72 mm (1.61 x 2.83 in)
Packed Weight	0.105 kg (0.23 lb)
Construction	Polycarbonate plastic enclosure
Color	Off-white
Serial Ports	1 x 2-way screw terminal
Screw Terminal Conductor Size	2.5 mm^2 (#12 AWG) (max)
Mounting Substrate Thickness	3-25 mm (0.12–0.98 in)

Environment

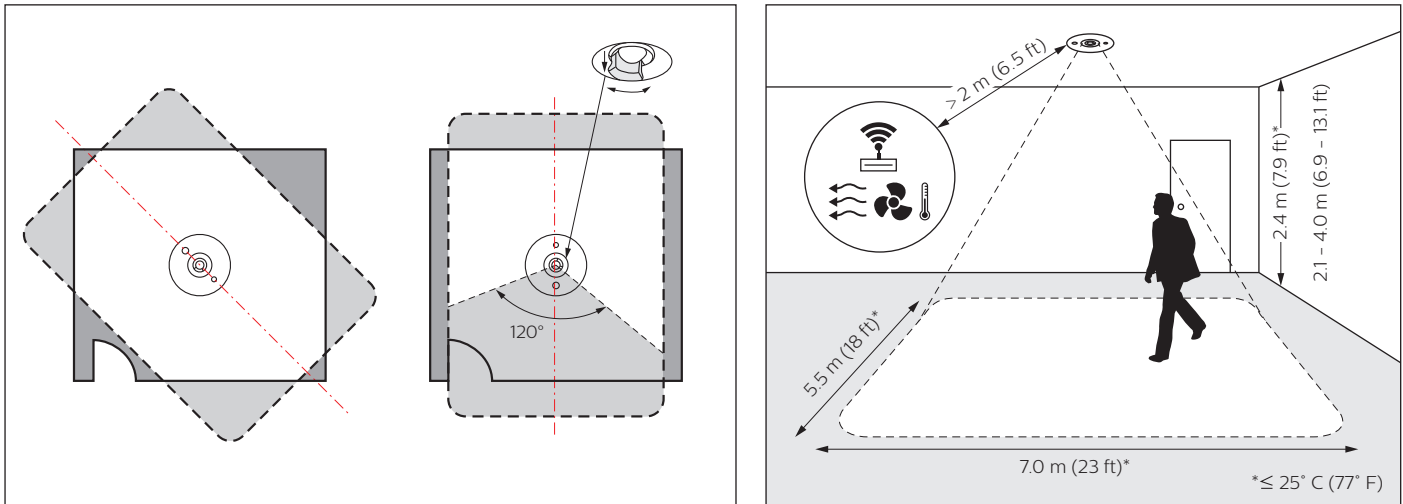|	
Operating Temperature	0° to 45°C ambient (32° to 113°F)
Storage/Transport Temperature	–25° to 70°C ambient (–13° to 158°F)
Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, RoHS

* Typical detection range at ≤ 25°C (77°F). Range is reduced at higher temperatures.

Detection Area

Ordering Code

Product	Philips 12NC
DUS360CR–DALI	913703500909

Accessories	Philips 12NC
IRT9090/01 (commissioning & testing RC5 IR remote control)	913700359103
IRT9010/00 (user–friendly RC5 IR remote control)	913700392403