DUS360CR

Multifunction Sensor

Low profile recessed 360° ceiling sensor

The Philips Dynalite DUS360CR is a recess 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 offices, lecture theaters and homes.

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- **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.

- **Infrared receive capability** – Manually adjust light levels using a hand-held remote control, via the inbuilt IR receive sensor of the DUS360CR.

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

- **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
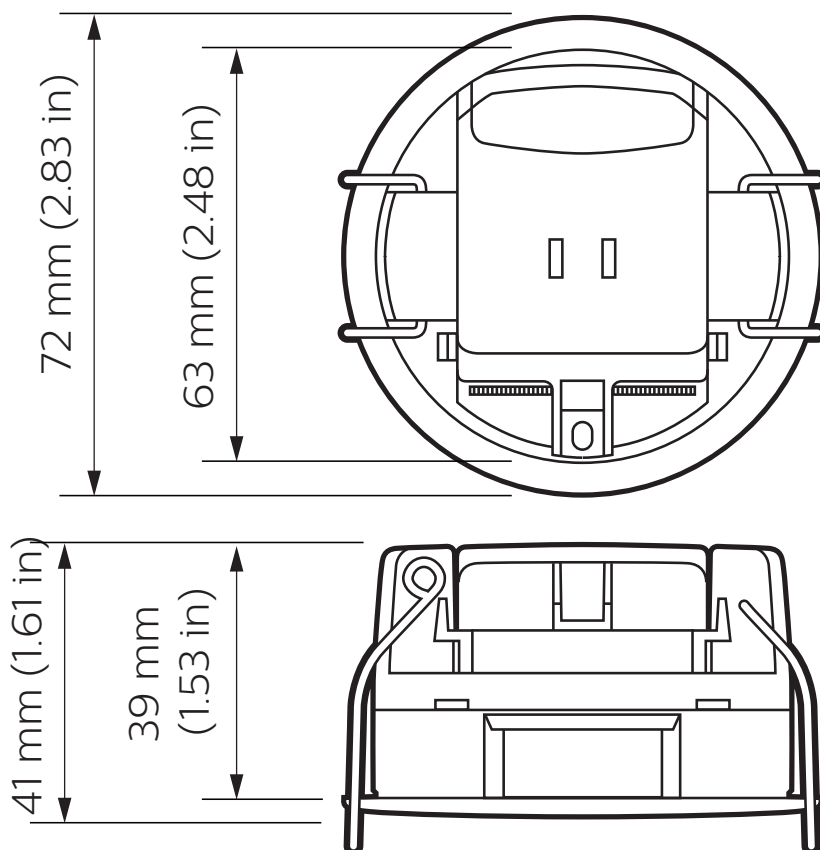
Specifications

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

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Electrical

Supply Type	DyNet
Supply Voltage	12/24 VDC
Supply Current	20 mA (max)
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 RS–485
Supported Protocols	DyNet
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 5-way screw terminal +V, D–, D+, GND, SHLD
Screw Terminal Conductor Size	2.5 mm^2 (#12 AWG) (max)
Mounting Substrate Thickness	3-25 mm (0.12–0.98 in)

Environment

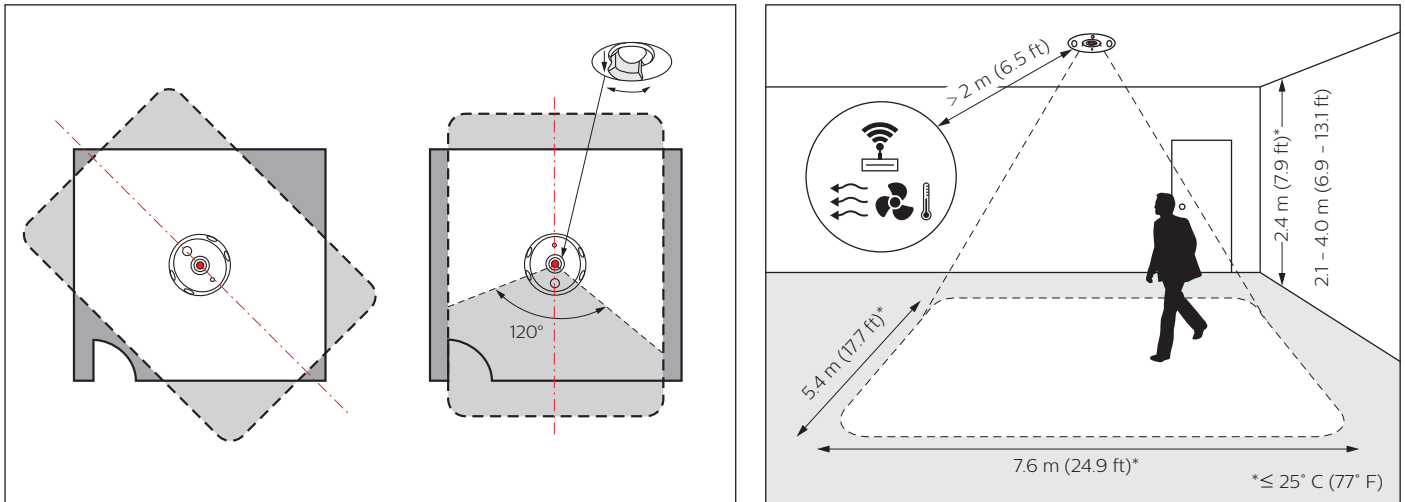|	
Operating Temperature	0° to 45°C ambient (32° to 113°F)
Storage/Transport Temperature	–25° to 70°C ambient (–13° to 158°F)
Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, UL/cUL, FCC, ICES, RoHS

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

Detection Area

Ordering Code

Product	Philips 12NC
DUS360CR	913703244309

Accessories	Philips 12NC
DINGUS–DUS–RJ12–DUAL (dual RJ12 connector)	913703064309
DINGUS–DUS–RJ45–DUAL (dual RJ45 connector)	913703064409
IRT9090/01 (commissioning & testing RC5 IR remote control)	913700359103
IRT9010/00 (user–friendly RC5 IR remote control)	913700392403

lighting.philips.com/dynalite