

# DUS360CR

Multifunction Sensor



## Specification Sheet

Sensors > Low Bay



### Low-profile recessed 360° ceiling sensor

The Dynalite DUS360CS is a recess mountable 360° multifunction sensor that combines motion detection (PIR), infrared remote control reception (IR), and ambient light level detection (PE) into one device for applications such as offices, lecture theaters, and residential.

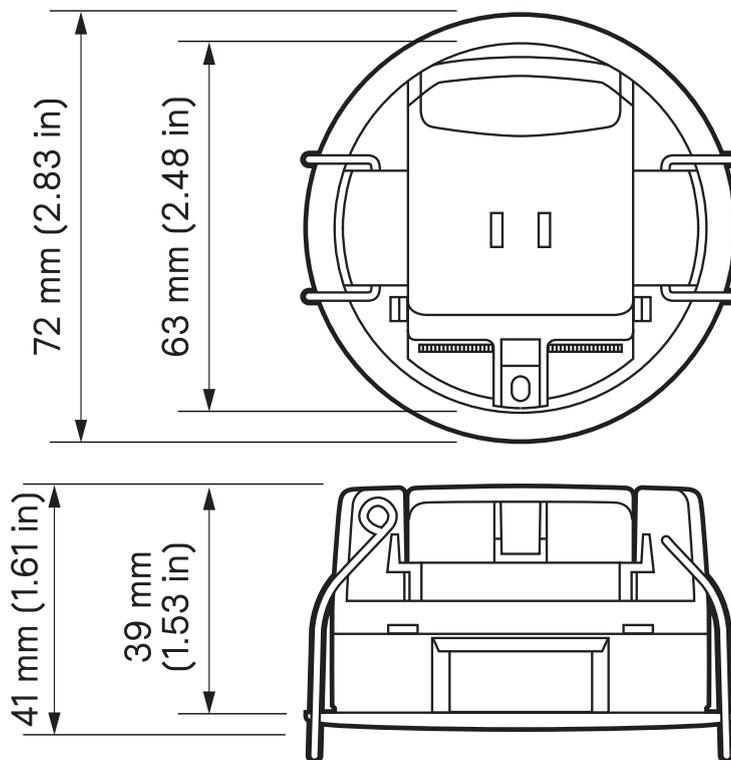
## Key Features

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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 precise, even lighting is critical, the PE function measures ambient levels and adjusts artificial light accordingly.
- **Infrared receive capability** - Inbuilt IR sensor lets you manually adjust light levels using a compatible hand-held RC5 IR remote.
- **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.
- **Anti-stumble sensing option** - Helps users move about safely at night without having to find a light switch (requires DUS180WR faceplate).
- **Suitable for plenum use** - UL 2043 certified for installation in air-handling plenum spaces.

## Dimensions

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## Specifications

Electrical	
Supply Type	DyNet
Supply Voltage	12/24 VDC
Supply Current	10 mA (max)
IEC Overvoltage Category	II

Motion Detection (PIR)	
Sensor	Quad element pyroelectric
Max Detection Range	5 m (16.4 ft) Typical range at ≤25°C (77°F) Range reduced at higher temperatures

Light Detection (PE)	
Lux Range	5-5,000 lux

Control	
Communication Ports	1 x RS-485
Supported Protocols	DyNet
User Controls	Infrared (RC5 IR remote control) 1 x service switch
Indicators	1 x motion LED (red)

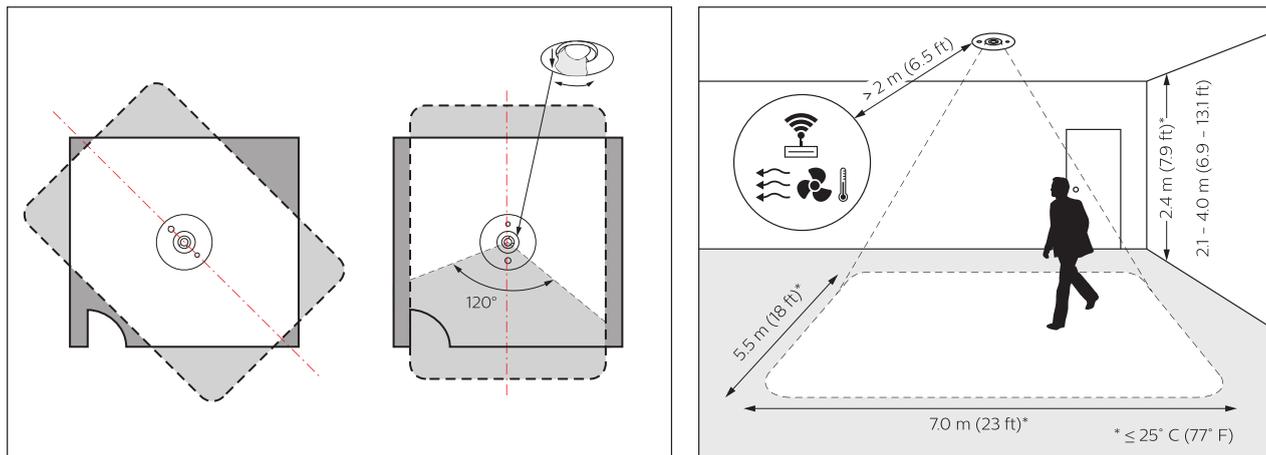
Physical	
Dimensions	41 x 72 mm (1.61 x 2.83 in)
Packed Weight	0.105 kg (0.23 lb)
Construction	Polycarbonate enclosure
Colour	RAL9010 (White) RAL9005 (Black)
Serial Ports	1 x 5-way screw terminal
Serial Port Conductor Size	0.3-2.5 mm² (#22-12 AWG)
Mounting Substrate Thickness	3-25 mm (0.12-0.98 in)

Environment	
Operating Temperature	0° to 45°C ambient (32° to 113°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Relative Humidity	≤90% non-condensing
IEC Pollution Degree	II
Installation Note	For indoor installation only

Compliance	
Certifications	CE, RCM, UL/cUL, FCC, ISED, UKCA
Sustainability	RoHS
IP Rating	IP20
Plenum Rating	UL2043

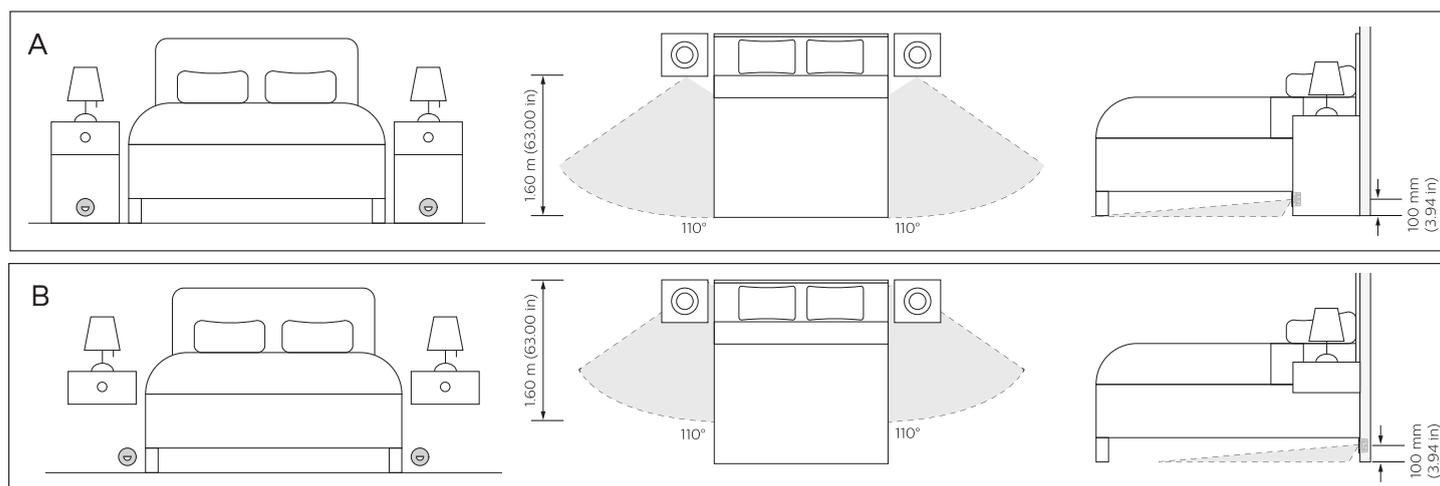


## Detection Area



## Detection Area with DUS180WR Anti-Stumble Faceplate

With the optional DUS180WR faceplate, the DUS360CR provides ground-level bedside motion detection after dark. When a guest leaves the bed at night, selected lighting channels come on at minimum brightness so that they can move about safely without waking other sleepers.



## Ordering Codes

Product		12NC
DUS360CR	RAL9010 (White)	913703689609
DUS360CR-RAL9005	RAL9005 (Black)	913703241009

Accessory		12NC
DINGUS-DUS-RJ12-DUAL	Dual RJ12 connector (pack of 10)	913703064309
DINGUS-DUS-RJ45-DUAL	Dual RJ45 connector (pack of 10)	913703064409
IRT9090/01	Commissioning & testing RC5 IR remote control	913700359103
DUS180WR	Anti-stumble faceplate (pack of 40)	913703338209