

# PHILIPS

## Dynalite

### Sensors

#### DUS90CS Multifunction Sensor



Project: \_\_\_\_\_  
Location: \_\_\_\_\_  
Cat.No: \_\_\_\_\_  
Type: \_\_\_\_\_  
Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
Notes: \_\_\_\_\_

### Wall/ceiling mount 90° multifunction sensor

The DUS90CS is wall or ceiling mountable 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 homes.

Manufactured with an IP54 rating, the DUS90CS is resistant to dust and splashing, making it suitable for use in both indoor and sheltered outdoor areas.

**Motion detection feature:** Detects the presence or absence of motion and adjusts lights accordingly. The sensor has a 90° scan pattern with flexible angle adjustment.

**Ambient light level regulation:** In applications where it is necessary to maintain even lighting, the PE function reads ambient levels and adjusts artificial light accordingly.

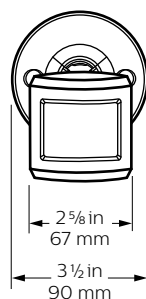
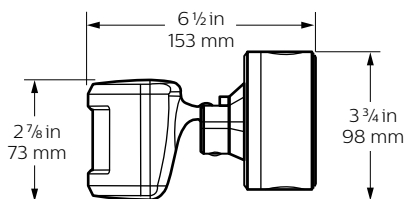
**Infrared receive capability:** Manually adjust light levels using a hand-held remote control, via the inbuilt IR receive sensor.

**Daylight harvesting mode:** Delivers automatic energy savings.

**Multiple mounting options:** and can be surface-mounted (wall/ceiling), or partially recessed (ceiling only) using the supplied junction box or butterfly clips.

**IP54 rating:** Dust- and splash-resistant housing allows installation in a variety of indoor and outdoor applications..

### Dimensions



### Ordering Code

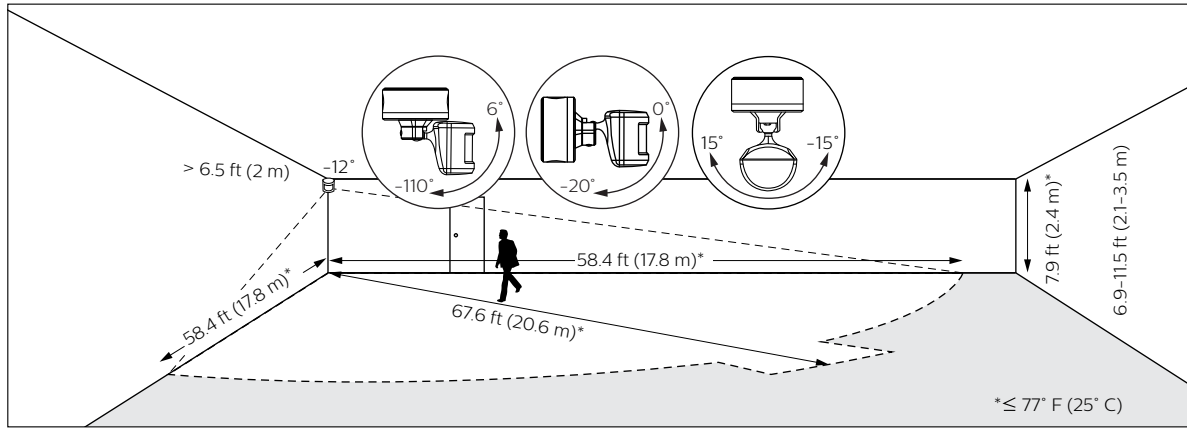
Product	Philips 12NC
DUS90CS	913703244209

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

# DUS90CS Multifunction Sensor

Dynalite – Wall/ceiling mount 90° multifunction sensor

## Electrical



## Physical

Dimensions (H x W x D)	3.86 x 3.54 x 6.02 in (98 x 90 x 153 mm)
Packed Weight	0.57 lb (0.26 kg)
Construction	Polycarbonate plastic enclosure
Color	White (RAL9010)
Serial Ports	1 x screw terminal
Supply Terminals	2.5 mm <sup>2</sup>
Conductor Size	(#12 AWG) (max)

## Electrical

Supply Type	DyNet
Supply Voltage	12/24 VDC
Supply Current	20 mA (max)
IEC Overvoltage Category	III

## Motion Detection (PIR)

Sensor	Dual element pyroelectric
Maximum Detection Range	67.6 ft (20.6 m)*
Scan Beam Angle	90°
Detection Area	(see first page)

## Light Detection (PE)

Lux Range	5-90,000 lux
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## Environment

Operating temp	-4° to 113°F ambient (-20° to 45°C)
Storage/Transport temp	-13° to 158°F ambient (-25° to 70°C)
Humidity	0 to 90% non-condensing
IP Rating	IP54 (when installed as per manufacturer instructions)
IEC Pollution Degree	II

## Control

Serial Ports	1 x RS485
Supported Protocols	DyNet
User Input	Infrared (6m range) (RC5 IR remote control)
Indicators	1 x Red motion LED

## Compliance

Certification	CE, RCM, UL/cUL, FCC, ICES, RoHS
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\* Typical detection range at ≤ 25°C (77°F). Range is reduced at higher temperatures.

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Philips Lighting North America Corporation  
200 Franklin Square Drive, Somerset, NJ 08873  
Tel. 855-486-2216

Philips Lighting Canada Ltd.  
281 Hillmount Rd, Markham, ON, Canada L6C 2S3  
Tel. 800-668-9008