The DUS704 series sensors combine motion detection (PIR), Infra-red remote control reception (IR) and ambient light level detection (PE) in the one device. In applications such as homes, lecture theatres and office towers, DUS704 universal sensors can be utilised to detect motion and switch on the lights. When rooms are unoccupied, lights can be automatically dimmed or switched off to provide energy savings. The same sensor provides IR control reception to enable full remote control over lights, audio-visual equipment and blinds. A range of hand-held Infra-red transmitters to complement DUS704 series universal sensors are available. In situations where it is critical to maintain precise lighting control for individual workspaces, such as a flight control tower or office workstation, the DUS704 facilitates light compensation. The DUS704 can also be placed in an automatic "Daylight Harvesting" mode for energy savings.

technical data ⟩⟩⟩

DUS704C

DUS704W

Motion Detector
DUS704C:
360º Ceiling Mount PIR Detector
Range 9m x 6m ellipse (at a height of 2.4m)
Mounting height: 2.1m to 4.0m, 2.4m optimum
LED activation indicator
Adjustable Pulse Count & Sensitivity
Detection zones: 34 dual element zones
Sensor: Dual element pyro-electric
R.F.I. Immunity: >15V/m @ 10-1000MHz

DUS704W:
Wide Angle Wall Mount PIR Detector
Range 12m x 90º (standard lens)
Mounting height: 1.1m to 3.1m
LED activation indicator
Adjustable Pulse Count & Sensitivity
Detection zones: 20 dual element zones
Sensor: Dual element pyro-electric
R.F.I. Immunity: >15V/m @ 10-1000MHz

Optional lens:
30m x 30º Long Range

PE Cell
5 - 500 lux (incident on sensor)
5 - 5000 lux (illumination of non-reflective surface in sensor's field of view)
Note: Value subject to the reflectance properties of the surface
Automatic "Daylight Harvesting" mode

Infra Red Remote Control Receiver
Range >6m
LED activation indicator
Can be used with DTK500 series
Infra-red remotes or other learning
IR remote control

Control IO
Serial Port – RS485 DyNet

Terminals
5 way terminal strip, 1 x 2.5mm² max conductor size and RJ12 socket

Controls
Walk test/IR received LED indicator
Tamper switch

DyNet DC Load
12V DC @ 20mA

Configuration
All functions remotely programmable

Operating Environment
0º to 50ºC ambient temperature
0% to 95% RH non condensing

Compliance
CE, C-Tick

Construction
ABS plastic enclosure

Dimensions
DUS704C:
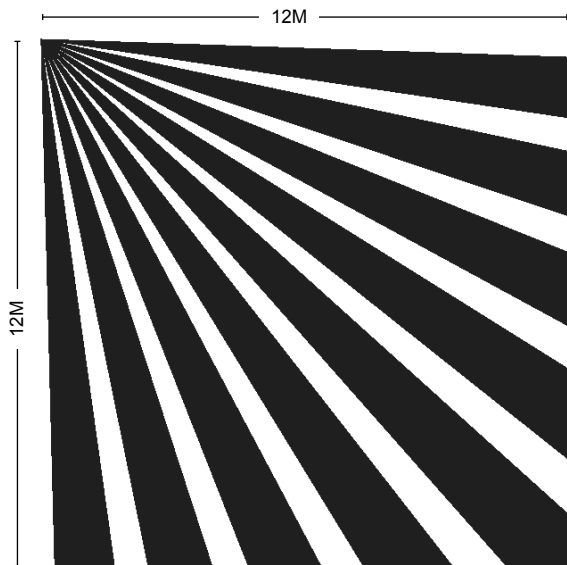102mm diameter x D 30mm

DUS704W:
H 85mm x W 66mm x D 45mm
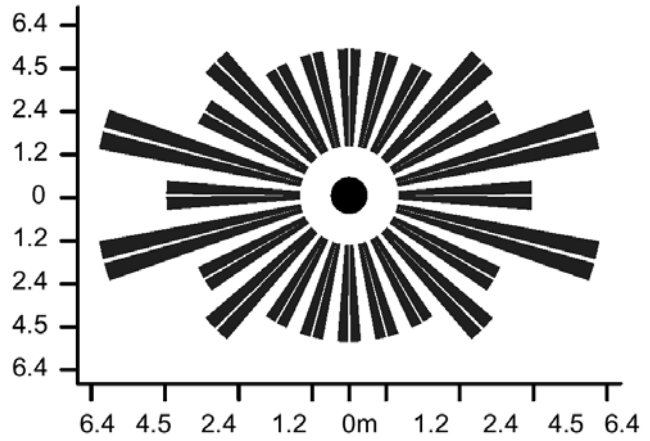
Weight
Packed weight 0.116kg

options ⟩⟩⟩
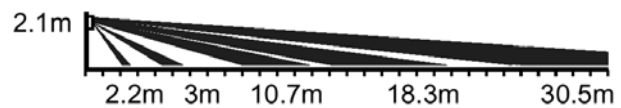
Long Range Lens **-LR**

lens pattern - DUS704W wide angle ⟩⟩⟩

lens pattern - DUS704C 360° ⟩⟩⟩

Mounting height 2.4M

lens pattern - DUS704W-LR long range

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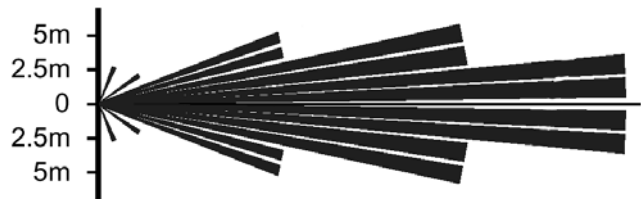
For further information contact: