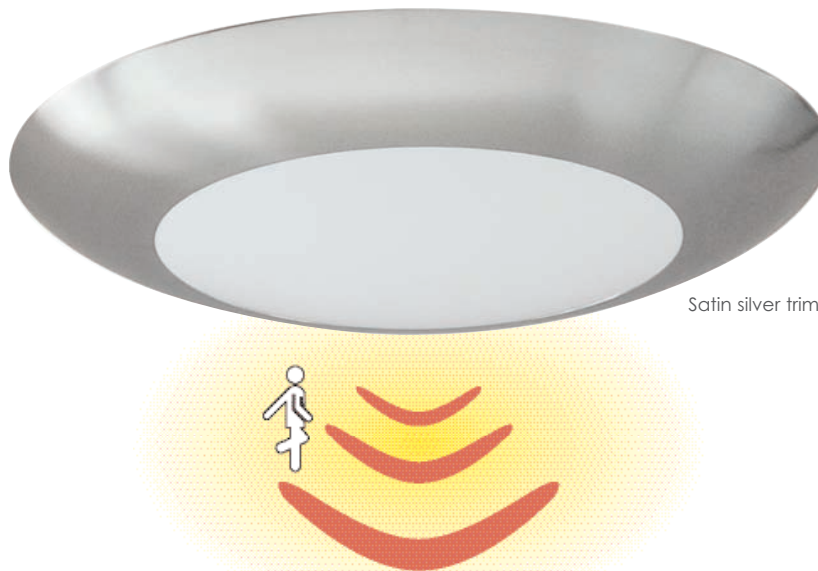


Orbit Halo Occupancy, contemporary low energy compact fluorescent wall/ceiling luminaire. Features slim body profile and domed opal polycarbonate lens with decorative trim. Ideal for low ceilings, including staircases, corridors, lounges, porches, balconies etc.



Satin silver trim

**Features:**

- Low energy compact fluorescent light source
- High Frequency (HF) control gear ●●
- Integral D-tect occupancy/light sensor (see page 2) ●●●●
- Wall or ceiling mounting
- Contemporary design
- Snap in trim and polycarbonate lens
- Besa box provision
- Suitable for 20mm conduit entry for side wiring

**Options:**

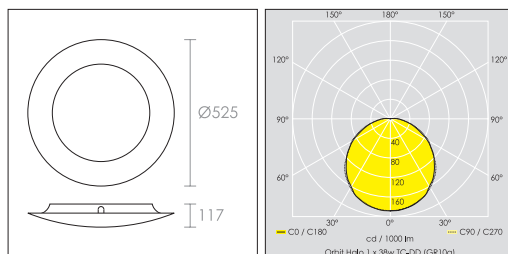
- Attractive backlighting effect version available on request
- Integral 3hr. maintained emergency (E3) ●●
- Integral iLite function (see data sheet M3/102) ●●●●
- High Frequency Analogue Dimming (AD) version available ●●●
- High Frequency Digital Dimming version available on request ●●●
- Prismatic lens version available on request

**Material:**

- Body: polycarbonate
- Trim: steel
- Lens: polycarbonate

**Finish:**

- Body: white
- Trim: white, chrome, satin silver or polished brass
- Lens: opal



**Orbit Halo Occupancy**

Lamp type (Not supplied)	Ordering Code			
	White	Chrome	Satin silver	Polished brass
1 x 28w TC-DD (GR10q)	SCOH 4/28WH/M	SCOH 4/28CH/M	SCOH 4/28SS/M	SCOH 4/28PB/M
1 x 28w TC-DD (GR10q)	E3-SCOH 4/28WH/M	E3-SCOH 4/28CH/M	E3-SCOH 4/28SS/M	E3-SCOH 4/28PB/M
1 x 38w TC-DD (GR10q)	SCOH 4/38WH/M	SCOH 4/38CH/M	SCOH 4/38SS/M	SCOH 4/38PB/M
1 x 38w TC-DD (GR10q)	E3-SCOH 4/38WH/M	E3-SCOH 4/38CH/M	E3-SCOH 4/38SS/M	E3-SCOH 4/38PB/M
2 x 18w TC-DE (G24q2)	SCOH 4/218WH/M	SCOH 4/218CH/M	SCOH 4/218SS/M	SCOH 4/218PB/M
2 x 18w TC-DE (G24q2)	E3-SCOH 4/218WH/M	E3-SCOH 4/218CH/M	E3-SCOH 4/218SS/M	E3-SCOH 4/218PB/M



These luminaires are designed to comply with EN 60598-1 (BS 4533:101) Emergency EN 60598.2.22 (BS 4533:102.22)



## Energy Saving Controls

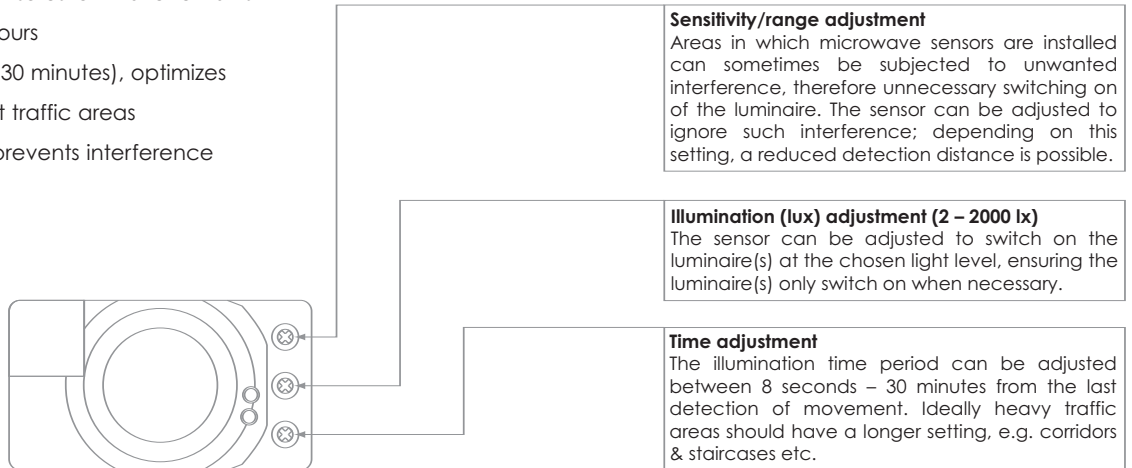
### The Ultimate Sustainable Energy Saving Device

The D-TECT integral occupancy/light sensor ensures areas are only illuminated when occupied, or daylight diminishes below the required level. D-TECT possesses all the features of a PIR occupancy/light sensor, but with additional advanced microwave technologies. D-TECT master luminaires are capable of controlling slave luminaires up to a maximum total load of 500VA.

Features:

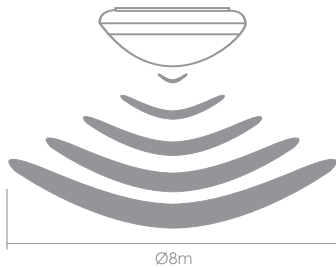
- Unobtrusive, no external indication that the area is being controlled
- Illumination (lux) adjustment, ensures luminaire remains switched off during daylight hours
- Time adjustment (8 seconds – 30 minutes), optimizes energy saving in heavy or light traffic areas
- Sensitivity/range adjustment, prevents interference from unnatural movement.

The adjustment dials are used to adjust the sensitivity/range, illumination (lux) and time.



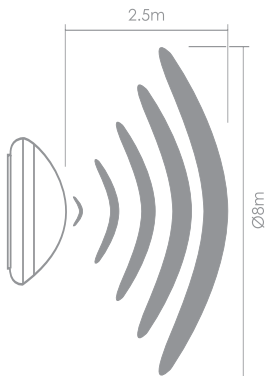
Detection distances

Ceiling Mounting



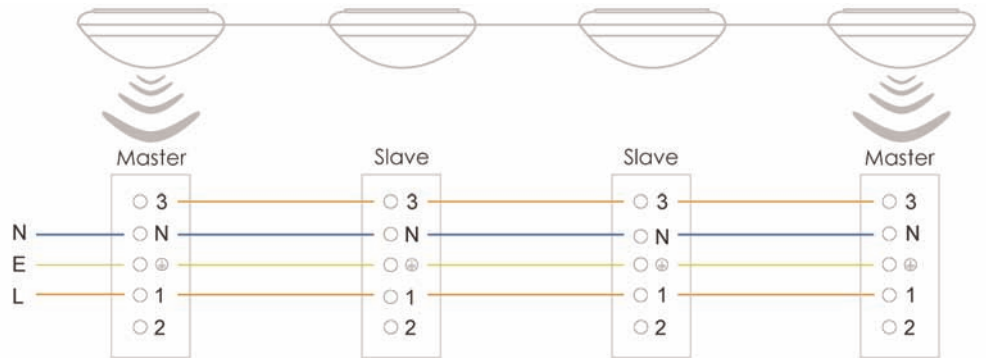
The sensor will cover a floor area of approximately 8m in diameter at an installed height of 2.5m.

Wall mounting



Please note the master luminaire(s) should not be positioned within 1m of ventilation equipment or fixed to a vibrating surface.

Schematic wiring diagram



Voltage 220-240v / 50-60Hz | Capable of controlling slave luminaires (max 500VA)

### Potential savings example

Luminaire type	Existing lighting system		Controlled lighting system (D-TECT)	
	Typical 1 x 28w low energy luminaire (Switchstart control gear (type B2))	D-TECT 1 x 28w Master luminaire (High frequency control gear (type A2))	1 x 28w Slave luminaire (High frequency control gear (type A2))	
Quantity	200	70	130	
Total luminaire power (W)	36	29	29	
Total lighting system power (W)	7200	2030	3770	
Hours of illumination per day	24	5.5	5.5	
Energy consumption (kWh per day)	172.80	11.17	20.74	
Grand total (kWh)	172.80		31.91	
Grand total (kWh per year)	63072		11647.15	
Price per kWh	£0.10		£0.10	
Annual energy cost (£)	£6307.20		£1164.72	
<b>Annual operating cost of existing system (£):</b>			<b>£6307.20</b>	
<b>Annual operating cost of controlled system (D-TECT):</b>			<b>£1164.72</b>	
<b>Energy saving (%):</b>			<b>81.5%</b>	
<b>Energy saving (£):</b>			<b>£5142.48</b>	