

Orbit Occupancy, contemporary low energy compact fluorescent wall/ceiling luminaire. Features slim body profile and domed opal polycarbonate lens, with D-tect occupancy/light sensor. Ideal for low ceilings, including staircases, corridors, lounges, porches, balconies etc.

## Contemporary Surface Ceiling Luminaires



### 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 locating polycarbonate lens
- Besa box provision
- Suitable for 20mm conduit entry for side wiring

### Options:

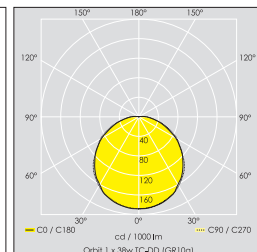
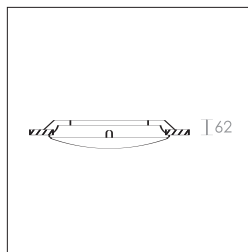
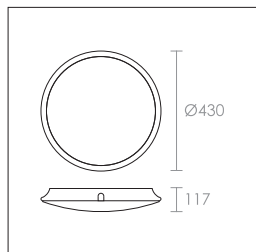
- Attractive backlighting effect version available on request
- Integral 3hr. maintained emergency (E3) ●●
- Integral iLife function (see data sheet M3/102) ●●●●
- High Frequency Analogue Dimming (AD) version available ●●●
- High Frequency Digital Dimming version available on request ●●●
- Prismatic lens version available (see data sheet F1/215)

### Material:

- Body: polycarbonate
- Lens: polycarbonate

### Finish:

- Body: white
- Bezel: white, chrome or polished brass
- Lens: opal



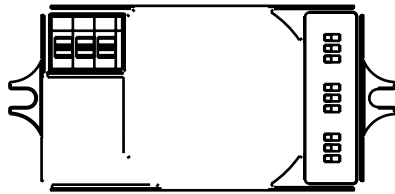
## Orbit Occupancy

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

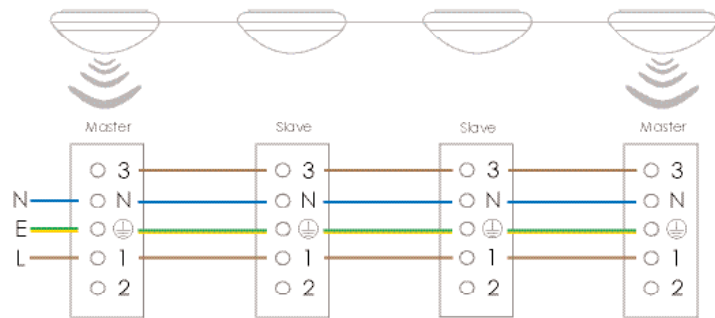


These luminaires are designed to comply with EN 60598-1 (BS 4533:101) Emergency EN 60598.2.22 (BS 4533:102.22)





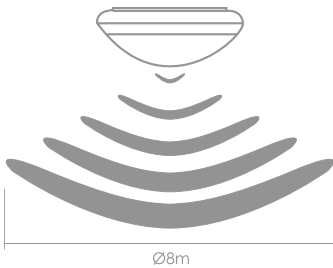
Schematic wiring diagram



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

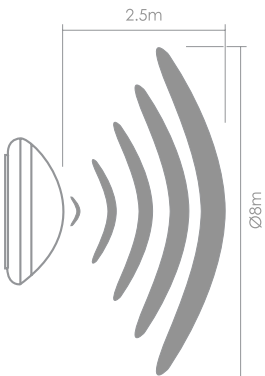
**Detection distances**

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.

**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>		