

## INSTALLATION OF LUMINAIRE

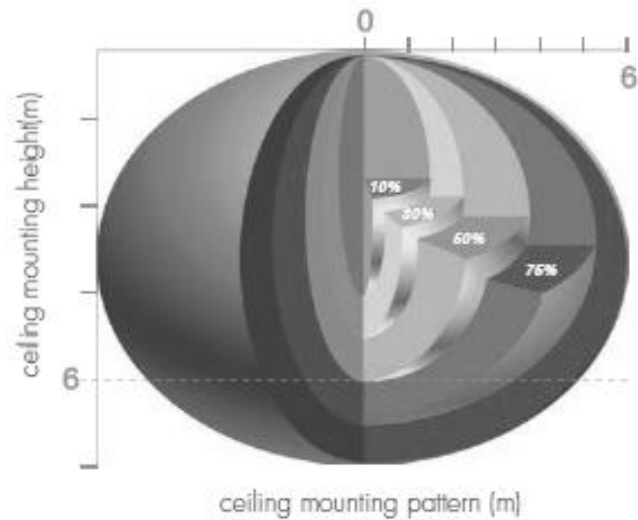
### Note: Important to consider

- The sensor can detect movements though thin walls and glass; detection range (sensitivity) should be adjusted in accordance with site conditions.
- Luminaire must be fixed to a solid surface to avoid false-triggering caused by vibration.
- Large metal surfaces can cause unwanted detection.
- Ventilation shafts and airflow can cause unwanted detection.
- Luminaires with sensors shall not be placed within each other's detection range.

### GENERAL INFORMATION

- 1) A qualified electrician, in accordance with IEE wiring regulations should carry out connection to mains wiring.
- 2) This unit must be EARTHED.
- 3) Ensure that the rated voltage and frequency requirements are compatible with the available mains supply.
- 4) Do not carry out high voltage insulation test, i.e. 500/1000v this may damage internal components.
- 5) Fluorescent lamps should be run in for an initial 100 hours prior to any dimming or emergency testing takes place.

### DETECTION PROFILE



**TECHNICAL SUPPORT**  
 Tel: 0161 331 5700  
 e-mail: [technical@whitecroflight.com](mailto:technical@whitecroflight.com)  
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## Q5 MICROWAVE SENSOR



Model: HC018V

HC018V March 2016 - Rev C



### Whitecroft Lighting Limited

Burlington Street, Ashton-under-Lyne, Lancashire OL7 0AX  
 Telephone +44 (0)870 5 087 087 Facsimile: +44 (0)870 5 084 210

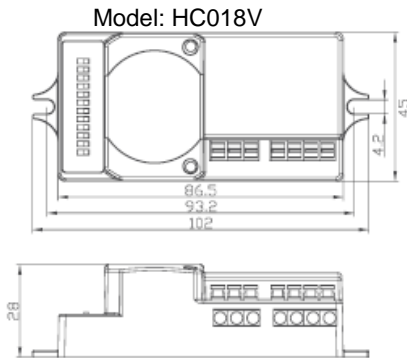
Registered No. 3848973 England

Registered Office: As above

## SPECIFICATION

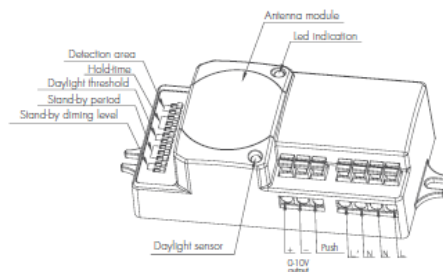
Rated Load	800W Max Capacitive
Finish	White
Materials	Plastic
Supply	220-240V AC, 50Hz
Power	<0.5W (Standby) <0.2mW (Microwave)
Operating temp	25°C
Ingress protection	IP 20

## DIMENSIONS & FIXING HOLE CENTRES



## FUNCTION

The sensor is a motion switch. It turns the light ON after detection of moving objects and turns the light OFF after a pre-selected hold-time when there is no motion detected.



## SETTINGS

### DETECTION RANGE – Default setting I – 100%

Detection area (sensitivity) can be reduced by selecting the combination on the dip switches to fit the specific application.

	1	2	
I	●	●	100%
II	●	○	75%
III	○	●	50%
IV	○	○	10%

I – 100%  
II – 75%  
III – 50%  
IV – 10%

### HOLD TIME – Default setting VI – 20 min

Determines the time the lamp stays on at 100% after the last motion has been detected.

	1	2	3	
I	●	●	●	5s
II	●	●	○	30s
III	●	○	●	1min
IV	●	○	○	5min
V	○	●	●	10min
VI	○	●	○	20min
VII	○	○	●	30min

I – 5s  
II – 30s  
III – 1min  
IV – 5min  
V – 10min  
VI – 20min  
VII – 30min

### DAYLIGHT SENSOR – NOT USED – Default setting I - Disable

Daylight threshold can be set using the DIP switches to fit site application.

	1	2	
I	●	●	Disable
II	●	○	50Lux
III	○	●	10Lux
IV	○	○	2 Lux

I – Disable  
II – 50Lux  
III – 10Lux  
IV – 2Lux

### STAND-BY PERIOD – Default setting I – 0s

Time period to keep at low light output level before it is completely switched off in the long absence of people.

	1	2	3	
I	●	●	●	0s
II	●	●	○	10s
III	●	○	●	1min
IV	●	○	○	5min
V	○	●	●	10min
VI	○	●	○	30min
VII	○	○	●	1h
VIII	○	○	○	+∞

I – 0s  
II – 10s  
III – 1min  
IV – 5min  
V – 10min  
VI – 30min  
VII – 1h  
VIII – +∞

### STAND-BY DIMMING LEVEL – Default setting I – 10%

The dimmed low light output level after the hold time in the absence of people.

	1	2	
I	●	●	10%
II	●	○	20%
III	○	●	30%
IV	○	○	50%

I – 10%  
II – 20%  
III – 30%  
IV – 50%