



Read these instructions before commencing installation. Please give these instructions to the owner/occupier after installation to retain for future reference/maintenance.

IP65 IK10 **CE** **240V~50HZ 10W/14W/20W**

These fittings are Class II and do not need an Earth, but Earth provision is provided.

Important Information

It is recommended that these luminaires are installed and fitted by a qualified electrician ensuring the installation complies with current IEE wiring regulations & local building control. These products are designed for connection to a 240V~50Hz supply.

Any faulty, broken or damaged luminaires should be replaced immediately.

KSR will not accept responsibility for any claims arising from a poor installation.

Please Note: The limited warranty shall be deemed null and void in the following circumstances: Failure by the installer, end user or any third party to exercise caution to protect any covered product or part from outside damage, adverse temperature (normal operating ambient temperature -10°C - +30°C), humidity conditions, fluctuations in the electrical system or physical abuse as well as failure related to workmanship in the installation of the products or parts.

Important User Advice

Always switch off mains supply before servicing.

Do not use Megger or similar high voltage instruments. Due to the fact this luminaire contains electronic components that maybe damaged by high test voltages, they must be disconnected from the circuit before testing. To prevent damage to the driver, do not mix with conventional magnetic ballasts on the same electrical circuit.

At the end of life the luminaire is classed as WEEE under directive 2014/30/EU and should be disposed of in accordance with local legislation.

Installation Procedure

Isolate mains supply before installation.

Unscrew and retain the four screws and remove the diffuser.

Loosen the single LED tray screw as indicated in Fig. 2 and lift the hinged tray to gain access to the wiring terminals.

Pass intended supply wires through grommet.

Ensure the fixing surface is flat and even.

Fix base to the wall, ceiling or besa box using adequate fixings with regard to the type of surface.

Ensure incoming cables are protected.

Terminate wiring as per Fig. 3, please note an Earth terminal is only supplied to aid the continuation of the Earth circuit.

Select LED colour and wattage required using the switches on the LED driver Note: Never change the LED colour or wattage with the luminaire powered on as this can damage the luminaire. Fig. 4.

Set Microwave to desired settings, for set up please refer to page overleaf.

Re-secure the LED tray.

Make sure the seal is in place in the diffuser and undamaged.

Replace the diffuser re-secure using the four retained screws.

Turn on the mains supply and test luminaire. If using an optional rim clip the rim over the fitting.

Please note: Depending on the amount of fittings on a circuit you may have to upgrade the breaker to a 'C' or 'D' type to avoid nuisance tripping.

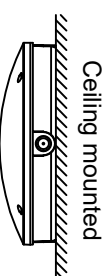


Fig. 1

Wall mounted

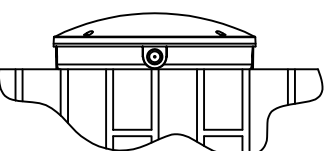


Fig. 2

Gear Tray Retaining Screw

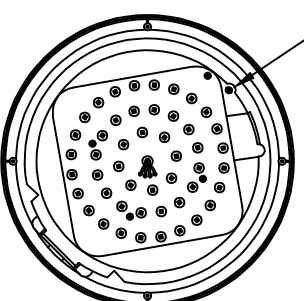


Fig. 3

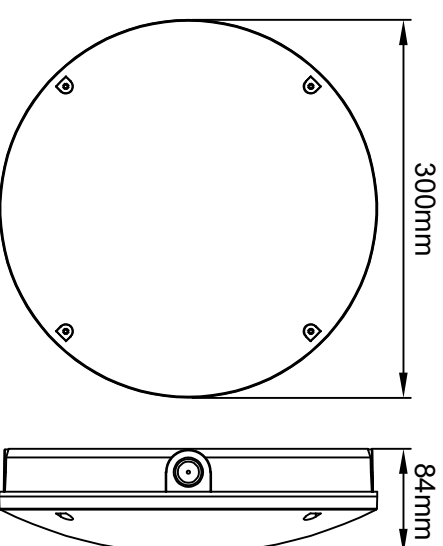
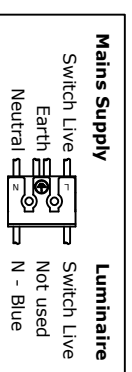
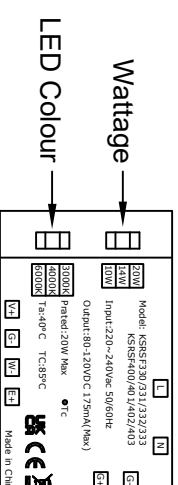


Fig. 4



Lamp Details			
Lamp: LED			
Wattage: 10W, 14W, 20W			
Colour: 3000K, 4000K and 6000K CCT			
CRI: Ra>84			
CCT	Lumen output		
	3000K	4000K	6000K
10W	1145lm	1261lm	1212lm
14W	1457lm	1658lm	1559lm
20W	1819lm	2126lm	1947lm

This product contains a light source of energy efficiency class F





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IP65 IK10 UK € 240V~50Hz 10W/14W/20W

This Microwave sensor is a motion activated switch, it will turn the light on when movement is detected, then hold the light on for the determined amount of time, after which the light will turn off. This microwave sensor comes with a step-dim feature which is preset by the installer according to their specific requirements

Using the Dip Switches on the sensor, set it up to your preferred Detection area, Hold Time & Daylight level.

Microwave sensors will detect movement through certain materials, if this occurs reduce the detection area until any nuisance triggering stops.

1 - Sensitivity Area
Sensitivity area can be reduced by selecting the combination on the Dip Switches, following the guide as shown here.

<input type="radio"/>	<input type="radio"/>	1	100%
<input type="radio"/>	<input type="radio"/>	II	50%

2 - Hold Time

Hold time means the time period you would like the light to remain at 100% output once no movement is detected.

<input type="radio"/>	<input type="radio"/>	2	3	5s
<input type="radio"/>	<input type="radio"/>	II	●	90s
<input type="radio"/>	<input type="radio"/>	III	○	180s
<input type="radio"/>	<input type="radio"/>	IV	○	10min

3 - Daylight Threshold

The daylight sensor can be set to bring the light 'on' at specific daylight levels. To have the sensor function in daylight set the Dip Switches to Disable.

<input type="radio"/>	<input type="radio"/>	4	Disable	10lux
<input type="radio"/>	<input type="radio"/>	I	●	
<input type="radio"/>	<input type="radio"/>	II	○	

4 - Stand-by Time

This is the time period that the light remains at a lower level before it completely turns off, depending on dip switch settings can be set to infinity.

<input type="radio"/>	<input type="radio"/>	5	6	0s
<input type="radio"/>	<input type="radio"/>	II	●	10s
<input type="radio"/>	<input type="radio"/>	III	○	10min
<input type="radio"/>	<input type="radio"/>	IV	○	+∞

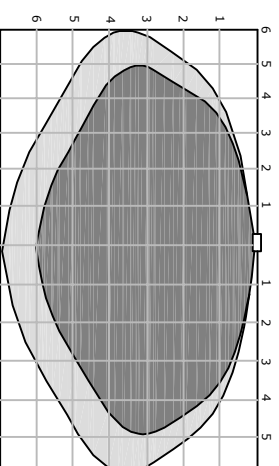
5 - Stand-by Dimming Level

The light can be dimmed to different levels after initial hold time

<input type="radio"/>	<input type="radio"/>	7	
<input type="radio"/>	<input type="radio"/>	I	● 10%
<input type="radio"/>	<input type="radio"/>	II	○ 30%

Please Note: The Sensor is designed for installation heights between 3-6m

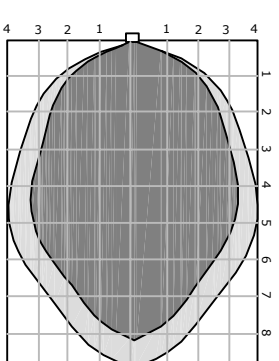
Ceiling Mounting (m)



Recommended Installation heights

For Wall mounting the height is 1.5m
For Ceiling mounting the height is 3m

Wall Mounting (m)



High Sensitivity Area Low Sensitivity Area

High Sensitivity Area Low Sensitivity Area

Detection Zone Max.. (D x H): 12m x 6m
Detection Angle: 30-150°

Troubleshooting

Issue	Cause	Solution
The load will not illuminate	Incorrect daylight threshold setting selected	Adjust setting and retest
	Load has failed (driver or LED array)	Replace load
The load is permanently illuminated	No mains power detected	Switch on power
	Continuous movement in the detection area	Check detection area setting
The load is permanently illuminated	The lamp (containing sensor) is installed in an area too close to reflective surface, i.e Metal, Glass or Concrete walls.	1. Make sure installation area suitable with at least 30cm space between lamp and surrounding reflective surfaces
		2. Reduce Sensitivity (detection area)

