

SPARTAN 3CCT SELECTABLE IP65 LED BULKHEAD INSTRUCTIONS Issue 04 25th May 2022

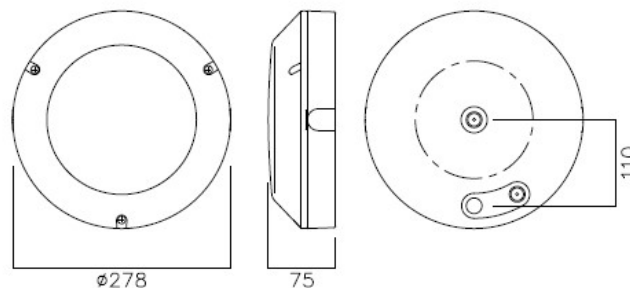
THANK YOU for purchasing this product. To ensure it provides complete satisfaction, please install it in accordance with these instructions and then pass the instructions to the appropriate person for retention and future reference.

SAFETY This is a mains voltage powered luminaire. It is designed to be installed by suitably qualified personnel only and in accordance with the applicable building and electrical regulations. Before installation or maintenance, the electrical supply to the luminaire must be isolated.



INSTALLATION SUPPORT For installation support or accessories, please contact us at the above address. When reporting a suspected fault or seeking installation support, please have full product details to-hand, as well as details of when and where it was purchased.

INSTALLATION



- Loosen the 3 diffuser fixing screws & remove the diffuser geartray assembly from the base by unhooking the retention strap.
- Prepare the mains supply cable & fixing points on the chosen mounting surface ensuring it is able to retain the weight of the luminaire.
- Pass the mains supply cable through the cable entry hole, offer the base to the mounting surface & secure using the screws provided.
Note! It is the installer's responsibility to ensure the fixing points & cable entry point are appropriately sealed to maintain the IP rating
- Connect the mains supply cable to the incoming supply terminal block on the geartray & terminate ensuring correct polarity is observed.
Note: This is a class I luminaire and must include a protective earth.
- Select the required CCT by sliding the switch on the back of the gear tray to the allocated colour temperature (**Note: Please ensure the luminaire is switched off when selecting the colour temperature**).
- Refit the diffuser geartray assembly (reverse of point 1) & secure by retightening the screws.
- Reconnect power supply & check for correct operation.
Do not insulation test.

BEZEL TRIMS

If this option has been selected, then install as follows:

- Offer the bezel trim to the installed luminaire, aligning the lugs in the trim with the screw slots in the diffuser (3 places).
- Push fit until it clips into position.

Note! If the eyelid trim is selected, care must be taken to ensure the slots are in the correct position when securing the base.

For maintained emergency and microwave versions, please refer to the additional instructions below.

GENERAL MAINTAINED EMERGENCY LUMINAIRE INSTRUCTIONS (SUFFIX .../M3)

These instructions should be followed in conjunction with the standard luminaire instructions. Please read carefully and pass to the end user/responsible person for retention and future reference.

INSTALLATION

1. Following the installation of the luminaire in accordance with the standard luminaire installation instructions, a separate permanent live supply should be terminated in the 4-pole terminal block in the luminaire, in the connection marked 'L PERM'. The permanent supply MUST be taken from the same phase as the corresponding switched supply and MUST be wired at the switchboard so that upon instances of tests, it is isolated at the same time as the switched supply.
2. Connect the battery to the module via the 'plug and mate' connector, ensuring correct polarity is observed. Failure to observe correct battery polarity will result in permanent damage to the emergency module/driver.
3. Upon restoration of the power supply to the luminaire, check that the indicator LED fitted within the luminaire illuminates green. This indicates that the batteries are charging and that the charging circuit is healthy.
4. Allow the battery to charge for an uninterrupted period of not less than 24 hours prior to carrying out a full discharge test.

MAINTENANCE

5. The battery pack in this luminaire must be replaced when it is no longer able to satisfy its full rated duration.
6. Regular maintenance and gentle cleaning are recommended to ensure optimum performance of the luminaire in both the mains and emergency mode. This is particularly important to ensure the specified emergency flux is not impaired.
7. Isolate the supply before servicing.
8. **Do not insulation test.**

Caution:

This luminaire includes Lithium-Iron Phosphate cells (LiFePO₄) in its battery pack. These batteries require overcharge protection circuitry to operate safely. For battery replacement, please refer to the label on the battery pack in the luminaire to ensure an identical battery is used.

TESTING FOR EMERGENCY LUMINAIRES

Recommended routine test procedures in line with BS 5266-1:2016 & BS EN 50172:2004.

MICROWAVE SENSOR C/W DIP SWITCHES INSTRUCTIONS (SUFFIX .../MW)

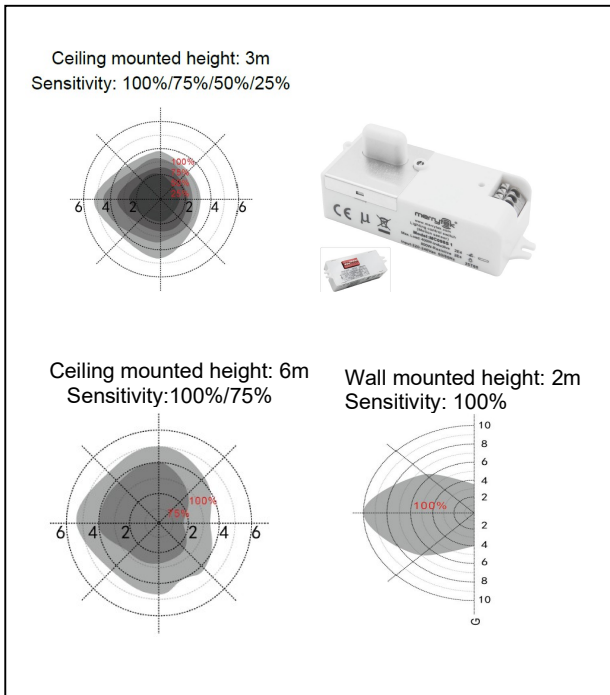
These instructions are in addition to the standard luminaire instructions that were also supplied with the product you have purchased. They should be read carefully & luminaire installed as per both sets of instructions, then pass on to the appropriate person for retention for future reference & maintenance.

DESCRIPTION

The micro-wave sensor option offers presence detection to provide automatic control of lighting loads. It is installed inside the luminaire so does not affect external aesthetics or IP rating. Manual adjustments on the sensor allow it to be individually tailored to suit your application.

POSITIONING

The luminaire with detector should be sited so that the occupants of the room fall inside the detection patterns shown in the appropriate diagram below:



- The diagram is based on a ceiling mounting height. Note that the lower the sensor is installed, the smaller the detection range will be.
 - If wall mounted, the detection zone will vary depending on the surroundings but perpendicular reach will be at least 10m
 - The area closest to the sensor & also the area more perpendicular to the sensor will have higher sensitivity.
 - The distances quoted are approximate & may vary depending on surroundings
 - Avoid direct sunlight entering the sensor.
 - Do not site within 1m of forced air heating or ventilation.
 - Do not fix to a vibrating surface.
 - Avoid metallic objects directly in front of the sensor head.
 - These sensor kits are capable of switching/controlling more than one luminaire in a 'master & slave' set up. This is done by linking non-sensored fittings (slaves) to the one with the sensor fitted (master) using the live output from the sensor.
- Note! DO NOT** link other fittings containing MW sensors together in this way, as it can cause false triggering of the sensors.

SETTINGS

The following adjustments can be made using the DIP switches located on the sensor unit.

DEFAULT FACTORY SETTINGS...

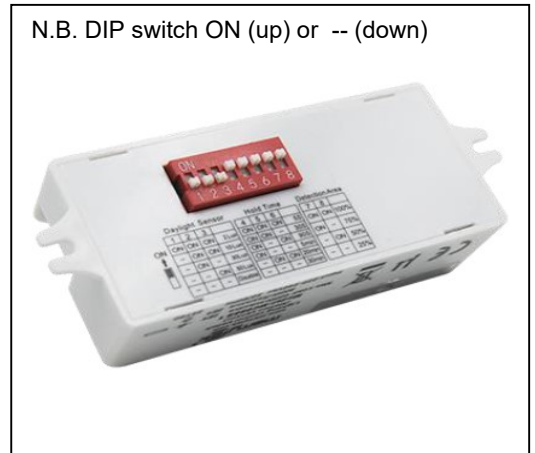
Sensitivity – 10m, Time – 20mins, Lux Level control disabled

LUX

Set the required Lux level by using S1, S2 & S3 DIP switches as shown below.

	1	2	3	
I	ON	ON	ON	2Lux
II	-	ON	ON	10Lux
III	-	ON	-	30Lux
IV	-	-	ON	50Lux
V	-	-	-	Disable

N.B. DIP switch ON (up) or -- (down)



TIME

Set the required time delay between 5 secs - 30 mins using S4, S5 & S6 DIP switches as shown below:

	4	5	6	
I	ON	ON	ON	5S
II	ON	ON	-	30S
III	ON	-	ON	90S
IV	ON	-	-	5min
V	-	ON	ON	20min
VI	-	-	-	30min

SENSITIVITY

Set the detection range using the S7 & S8 DIP switches as shown below.

	7	8	
I	ON	ON	100%
II	ON	-	75%
III	-	ON	50%
IV	-	-	25%

RATINGS

Power supply : 220-240VAC 50/60Hz
 Rated Load : 400W (Inductive) & 800W (Resistive)
 Operating Temperature: -25°C ...+60°C

FAULT FINDING

If you experiencing a problem please check through the following before making contact with NVC:

Fault - Load does not come on

- Check to see if the live supply to the circuit is good.
- If the supply & wiring are good, check the LUX setting. Increase the LUX level setting to allow the sensor to turn on at a higher ambient light level.

Fault - Lights do not go off

- Ensure that the area is left unoccupied for longer than the selected timer setting.
- Make sure that the sensor is not adjacent to circulating air, heaters or lamps.
- If the unit "false triggers" reduce the SENSITIVITY level to narrow the area of detection.
- Ensure luminaire is not connected in parallel with other luminaires containing MW sensors