

# INSTALLATION INSTRUCTIONS



**NOVA 2000 LED BULKHEAD  
with Microwave Sensor**  
**LHT1193 - Black**  
**LHT1194 - White**

**NOVA 2800 LED BULKHEAD  
with Microwave Sensor**  
**LHT1195 - Black**  
**LHT1196 - White**

This light has an active motion sensor wired to the internal circuit. It emits a high frequency electromagnetic wave at 5.8GHz and receives their echo. Any change to this echo will activate the light.

This 'Master' fitting can be wired on the same circuit to switch up to 100W LED load max. It is not recommended to wire different lamp types on the same sensor circuit e.g. LED and Halogen mixed, as this may cause switching issues.

## ⚠️ SENSOR TECHNICAL SPECIFICATIONS

<b>Operating voltage:</b>	220~240V AC 50Hz/60Hz
<b>Switching capacity (max):</b>	100W
<b>Microwave frequency:</b>	5.8Ghz ± 75MHz
<b>Transmission power:</b>	<0.3mW
<b>Standby power:</b>	≤0.5W
<b>Operating Temperature:</b>	-25°C to +60°C

### BEFORE INSTALLATION:

⚠️ **This fitting is installed with a Microwave sensor, which has special operating features. Please read carefully and consider the proposed location before installing.**

1. Microwave sensors can penetrate walls and glass thinner than 20cm. Movement outside the room may cause unintended triggering.
2. Metal walls or surfaces will stop the microwave detection in that direction.
3. Ensure the surface for intended installation is stable. Vibration of the mounting surface may cause false triggering to occur.
4. Do not install alongside large machinery such as ventilator or ceiling fans to avoid false triggering caused by machine vibration.
5. Detection area will be affected by speed of motion, mounting height and size of movement object.
6. When installed outside, false triggering may occur due to environment causes such as wind, rain, moving branches.

**WHEN RE-ASSEMBLING THE HOUSING, the microwave sensor antennae MUST be protruding through the hole on the LED array to operate correctly.**

## APPLICATION

### Sensitivity

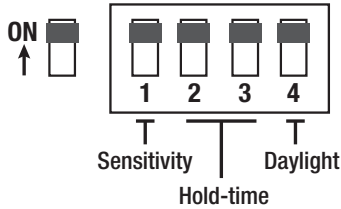
Sensitivity setting adjust the maximum detection diameter. Adjust as required.

### Hold-time

Hold-time means the time period the light will remain ON after the last movement was detected.

### Daylight Threshold

This sets the light level, below which the sensor will activate. The DAY setting will provide 24hr detection regardless of ambient light.



1	Sensitivity
<input checked="" type="checkbox"/>	High
<input type="checkbox"/>	Low

2	3	Hold-time
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5 sec
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1 min
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3 min
<input type="checkbox"/>	<input type="checkbox"/>	10 min

4	Daylight / Dusk
<input checked="" type="checkbox"/>	Daylight
<input type="checkbox"/>	<30 Lux

## MOUNTING & DETECTION

	Mounting Height (max)	Detection Range (max)
<b>Ceiling</b>	Up to 4mtr	Ø 6-8mtr
<b>Wall</b>	Up to 4mtr	Ø 4-6mtr



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Specifications are subject to change without notice



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