



INSTALLATION & MAINTENANCE MANUAL

**BTEVMWEM**

## GENERAL INSTRUCTIONS

**These instructions should be read carefully and retained after installation by the end user for future reference and maintenance.**

**These instructions should be used to aid installation of the following product:**

**BTEVMWEM**

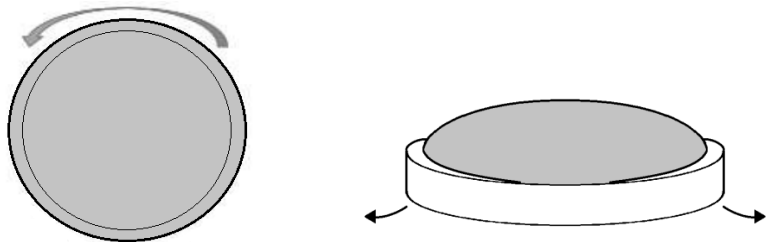
## SAFETY

- This product must be installed in accordance with the latest edition of the IEE Wiring Regulations (BS7671) and current Building Regulations. If in any doubt, consult a qualified electrician
- Please isolate mains prior to installation or maintenance
- Check the total load on the circuit (including when this luminaire is fitted) does not exceed the rating of the circuit cable, fuse or circuit breaker
- Please note the IP (Ingress Protection) rating of this product when deciding the location for installation
- Do not overload this accessory or subject it to conditions outside its rating
- This product is Class II double insulated
- This product is IP65 rated

## INSTALLATION

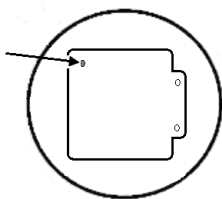
Note - Microwave sensors may not be suitable for all installations, for example enclosed spaces, as they are able to detect movement through non-metallic surfaces like plasterboard and thin doors.

- Provide power to the required point of installation (refer to BS7671 for correct cabling methods). Suitable IP rated junction boxes should be used where required
- Remove the bezel surround by unclipping from the luminaire housing, then remove the diffuser by rotating anti-clockwise (see Fig. 1)



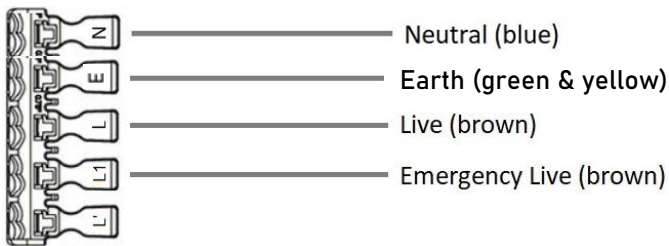
**Fig. 1**

- Unscrew the fastening screw securing the LED plate and open the LED plate (see Fig. 2)



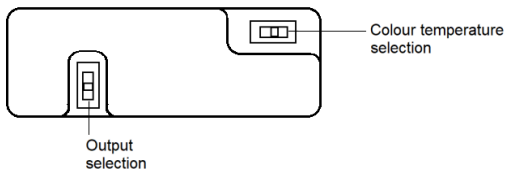
**Fig. 2**

- Drill the fixing holes in the rear of the fitting. Mark the location of the fixing holes and drill ensuring not to infringe with any gas/water pipes or electrical cables
- Feed the mains cable through the rubber grommet to retain IP rating, and secure the baseplate to the surface using the plugs and screws provided
- Connect the luminaire to the mains supply ensuring the correct polarity is observed (see Fig. 3): L – Live (brown), E – Earth (green/yellow), N – Neutral (blue) and L1 – Emergency Live (brown). The earth terminal is non-functional and only provided for convenience. Two cables can be inserted into the push-fit terminal block in order to achieve loop-in/loop-out



**Fig. 3**

- The additional terminal L1 is the Slave Live, which enables the sensor to power on additional luminaires. A max 400W LED load can be controlled by the sensor
- Connect the battery to the inverter
- Choose the required driver output and colour temperature via the switches on the driver (see Fig. 4)

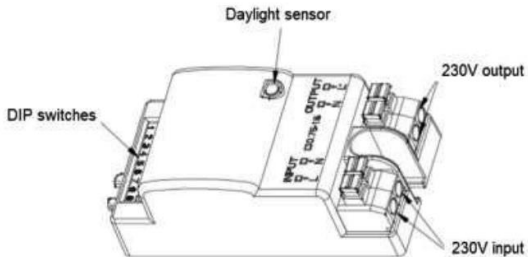


**Fig. 4**

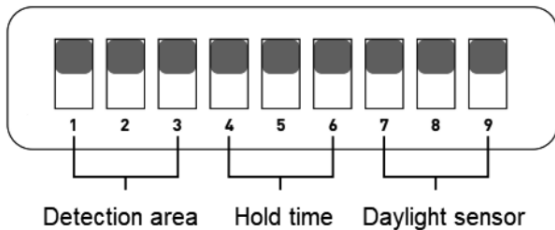
- Select the required sensor settings (see below)
- Refasten the LED plate screw
- Rotate the diffuser firmly onto the luminaire body, ensuring a tight seal is made, then clip the bezel surround into place
- Switch on and check for correct operation ensuring the green indicator LED is illuminated. The green indicator LED will flash if the battery is not connected

- We recommend, on commissioning the installation, a minimum charge period of 24 hours before carrying out an emergency duration test

## SENSOR LAYOUT




## DIP SWITCH LAYOUT




## DIP SWITCH SETTINGS

### Detection area

On ↑  



1	2	3	
●	●	●	100%
○	●	●	75%
●	○	●	50%
○	○	●	25%
○	○	○	10%

### Hold time

On ↑  


4	5	6	
●	●	●	5sec
○	●	●	30sec
●	○	●	90sec
○	○	●	3min
●	●	○	20min
○	○	○	30min

### Daylight sensor

On ↑  


7	8	9	
●	●	●	2lx
●	●	○	10lx
○	●	○	25lx
●	○	○	50lx
○	○	○	Disable

This is the time period the lamp remains at 100% after no motion is detected

When set to Disable, the daylight sensor will switch the lamp on when motion is detected regardless of the ambient light level

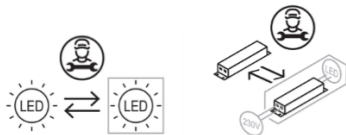
## WARNING

This product must be disconnected from the circuit if subjected to any high voltage or insulation resistance testing. Irreparable damage will occur if this instruction is not followed.

## GENERAL

This product contains a light source of energy efficiency class D to Regulation (EU) No. 2019/2015 and (UK) 2021 No. 1095.

This product contains a LED light source which can be replaced by a professional and a control gear which can be replaced by a professional.



Clean the external surfaces with a damp cloth using a mild solution of detergent and warm water only, do not use aggressive cleaning products or solvents which may damage the product.

Do not use any source of high-pressure washers to maintain or clean this luminaire.

Installing in areas where the temperature consistently drops below 0°C may shorten the battery life.

This product is non-dimmable.

This product should be dismantled for disposal when it reaches the end of its life. Please see website for dismantling instructions.

This product should be recycled in the correct manner when it reaches the end of its life. Check local authorities for where facilities exist.

The batteries in this luminaire are Lithium Ion and must be disposed of correctly. Please contact the local authorities for the disposal of this toxic waste.

## WARRANTY

This product has a warranty of 5 years from date of purchase. Failure to install this product in accordance with the current edition of the IEE Wiring Regulations (BS7671), improper use, or removal of the batch code will invalidate the warranty. If this product should fail within its warranty period, it should be returned to the place of purchase for a free of charge replacement. ML Accessories does not accept responsibility for any installation costs associated with the replacement product. Your statutory rights are not affected. ML Accessories reserve the right to alter product specification without prior notice.

## TESTING FOR EMERGENCY LUMINAIRES

Recommended routine test procedure in accordance with BS5266:

- Daily check – check LED charge indicator is illuminated
- Monthly functional test - simulate a mains supply failure for approx. 30 seconds by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated
- Annual 3-hour duration test - simulate a mains supply failure for 3-hour continuous test by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated
- If the luminaire fails any of the above tests, please contact a qualified electrician. See below for test record sheet



## TEST RECORD SHEET

INITIAL COMMISSIONING 3 HOUR TEST		SIGNED				DATE					
MONTH	TEST	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR	
		SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE
1	FUNCTIONAL										
2	FUNCTIONAL										
3	FUNCTIONAL										
4	FUNCTIONAL										
5	FUNCTIONAL										
6	FUNCTIONAL										
7	FUNCTIONAL										
8	FUNCTIONAL										
9	FUNCTIONAL										
10	FUNCTIONAL										
11	FUNCTIONAL										
12	3 HOUR										

Installed by:

Installation date:

Contact number:

**SUPPLIED BY:**

**(UK) MANUFACTURER**

**ML ACCESSORIES LTD, UNIT E CHILTERN PARK,  
BOSCOMBE ROAD, DUNSTABLE LU5 4LT,  
WWW.MLACCESSORIES.CO.UK**

**(EU) AUTHORISED REPRESENTATIVE**

**SLV LIGHTING GROUP,  
DAIMLERSTRASSE 21-23,  
52531 ÜBACH-PALENBERG, GERMANY  
EMAIL: EPREL@GROUP.SLV.COM**

MADE IN CHINA



JBFE24\_V1



Manufacturers Declaration of Conformity  
For ML Accessories (Knightsbridge)  
Electrical products in accordance with UKCA marking

ML Accessories Ltd. declare that all products have been designed, manufactured, and tested in accordance with the requirements of the relevant legislation

**UKCA marking legislation**

UK SI 2016 No. 1091	Electro Magnetic Compatibility Regulations 2016
UK SI 2016 No. 1101	The Electrical Equipment (Safety) Regulations 2016
UK SI 2012 No. 3032	Restriction of the use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
UK SI 2017 No. 1206	Radio Equipment regulations 2017
UK SI 2021 No. 1095	The Ecodesign for Energy-Related Products and Energy Information (Lighting Products) Regulations 2021

**Included Legislation**

UK SI 2008 No. 2852	UK REACH
UK SI 2013 No. 3113	WEEE

**Safety Standards**

Full individual declarations and specific safety standards applicable to relevant product series can be found on our website [www.mlaccessories.co.uk](http://www.mlaccessories.co.uk)

We hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The products comply with all essential requirements of the directives.

Catherine Connolly  
CEO

Lee Saunders  
Technical Assessment & Compliance Manager



ML Accessories Ltd. Unit E Chiltern Park, Boscombe Road, Dunstable. Bedfordshire, LU5 4LT



Manufacturers Declaration of Conformity  
For ML Accessories (Knightsbridge)  
Electrical products in accordance with CE marking

ML Accessories Ltd. Declare that all products have been designed, manufactured, and tested in accordance with the requirements of the relevant legislation

CE marking legislation

In Accordance with the following Directives:

2014/35/EU	Low Voltage Directive
2014/30/EU	EMC Directive
2014/53/EU	Radio Equipment Directive

Including Legislation

1907/2006	REACH
2015/863	RoHS
2021/341	ERP

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Catherine Connolly  
CEO

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Technical Assessment & Compliance Manager



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This declaration becomes invalid if technical or operational modifications are introduced without ML Accessories Ltd. written consent.