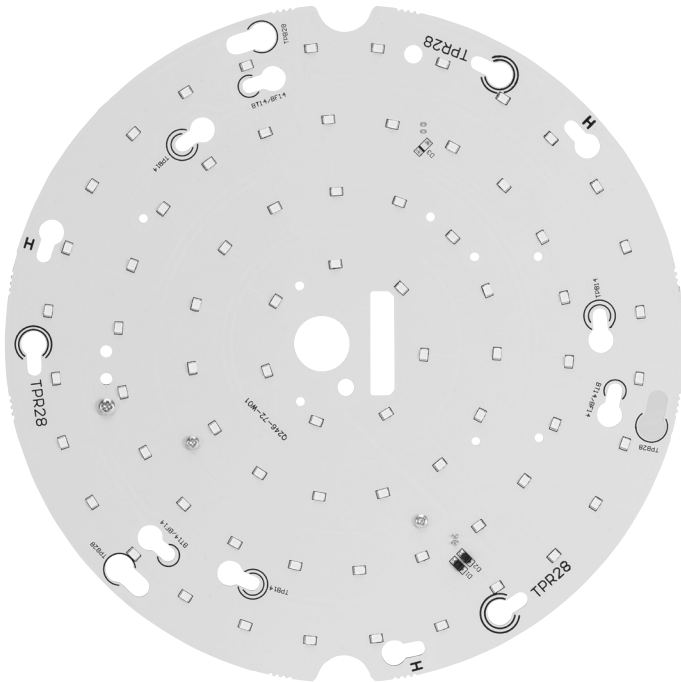


## INSTALLATION & MAINTENANCE MANUAL

### BPLED Series

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## 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 products:

**BPLED / BPLEDS / BPLEDEM / BPLEDEMS**

## SAFETY

- Installation of this product should only be carried out by a qualified electrician or competent person to the current Building and IEE Wiring Regulations (BS7671)
- Please isolate mains prior to installation/maintenance
- Check the total load on the circuit (including when this product is fitted) does not exceed the rating of the circuit cable, fuse or circuit breaker
- This product is non-dimmable

## INSTALLATION

- These lamps are compatible with the following fittings:  
**BT14 / BF14 / TPB14 / TPB28 / TPR28**
- This product series is produced for ML Accessories, however, these products may also fit other 2D/LED bulkhead fittings, please check manufacturer compatibility
- Isolate the mains supply to the existing fitting
- Remove the old gear tray by removing the diffuser and loosening the 3 screws
- Remove the mains power supply cables from the back of the existing gear tray
- Connect the battery to the inverter (**EM versions only**)
- See below for microwave sensor setup (**sensor versions only**)



### Detection range

Can be adjusted from 1-8 meters in range. Turn dial fully clockwise for a full 8 meter range, turn dial fully anti-clockwise for minimum 1 meter detection range.



### Time setting

The time setting is for the amount of time the luminaire stays illuminated once motion is detected. If movement is detected whilst fitting is already illuminated the timer will reset.

Turn dial fully clockwise for a 30 minute illumination period, turn dial fully anti-clockwise for a 10 second illumination period.

When adjusting the time setting, the LED indicator on the microwave sensor will flash to indicate the time selected - see below

**1 flash** = 10 seconds, **2 flashes** = 1 minute, **3 flashes** = 2 minutes, **4 flashes** = 5 minutes, **5 flashes** = 8 minutes, **6 flashes** = 10 minutes, **7 flashes** = 15 minutes, **8 flashes** = 20 minutes, **9 flashes** = 25 minutes, **10 flashes** = 30 minutes



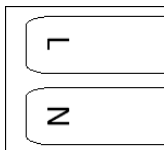
## LUX setting

The Lux setting is to adjust the light level that you want the luminaire to operate in. Turn dial fully clockwise for daylight operation (2000 LUX), or fully anti-clockwise to select dusk to dawn operation (10 LUX)

Ensuring correct polarity is observed, connect mains supply cable to the new gear tray - see below

### BPLED

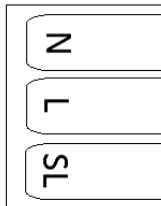
Live (brown)



Neutral (blue)

### BPLEDS

Neutral (blue)



Live (brown)

Slave Live

### BPLEDEM

Neutral (blue)



Live (brown)

Switched Live

### BPLEDEMS

Neutral (blue)



Live (brown)

Switched Live

Slave Live

- Observing the part numbers on the new gear tray, find the securing holes that are applicable to the fitting and fasten down the 3 screws to secure in place
- Refit the diffuser
- Switch on power and test for correct operation

## 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.

Recommended routine test procedure for EM versions only, in accordance with BS5266

**Daily check** – check that the status GREEN LED indicator is illuminated.

**Monthly functional test** – simulate a mains supply failure for approx. 30 secs by operation of key switch or switching off a circuit breaker. Ensure normal supply is restored after test and the indicator status LED is illuminated.

**Twice yearly conduct a one hour duration test** - simulate a mains supply failure for one hour continuous test by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and the indicator status LED is illuminated.

**Annual full three hour duration test** - conduct a three hour continuous duration test. Simulate a mains supply failure for three hour continuous test by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and the indicator status LED is illuminated.

If the product fails any of the above tests, please contact a qualified electrician.

See overleaf for test record sheet.

## GENERAL

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

## WARRANTY

This product has a warranty of 3 years (excluding battery) from date of purchase. Failure to install this product in accordance with the current edition of the IEE Wiring Regulations, improper use, or removal of the batch codes 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.

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

Installed by:

Installation date:

Contact number:



**ML Accessories Limited**  
**LU5 5TA**

[www.mlaccessories.co.uk](http://www.mlaccessories.co.uk)

SBAPR17\_V1