



INSTALLATION & MAINTENANCE MANUAL

WPASCWA / WPASEMKIT

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:
WPASCWA / WPASEMKIT**

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
- WPASCWA is Class I rated and must be earthed WPASEMKIT is Class II doubled insulated
- WPASCWA is IP65 rated and WPASEMKIT is IP20 rated

INSTALLATION

Note – If this luminaire is being used in conjunction with an external PIR or sensor, please confirm with the manufacturer of the sensors that they are compatible with LED lamps/ luminaires.

- 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
- The power source connections should be local and accessible via a suitable IP rated enclosure
- Round cable should be used for the mains supply. The use of flat cable will cause water ingress to the fitting
- Mark the location of the fixing holes and drill the holes ensuring not to infringe with any gas/water pipes or electrical cables. The fitting can also be mounted over conduit boxes
- Unscrew the four front screws to gain access (see Fig. 1)

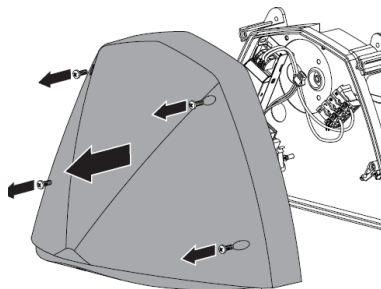


Fig. 1

- Feed the mains cable through the rubber grommet to retain IP rating, and secure the baseplate to the surface
- Fix the base to a suitable solid surface using the screws provided. Rubber washers or sealant should be applied around the screw heads to prevent water ingress
- Replace the access plate and screws ensuring it is secured to the luminaire casing
- Using an appropriate junction box (not included), connect the luminaire to the mains supply ensuring the correct polarity is observed: L – Live (brown), E – Earth (green yellow), N – Neutral (blue) (see Fig. 2). Two cables can be inserted into the push-fit terminal block in order to achieve loop-in/loop out wiring

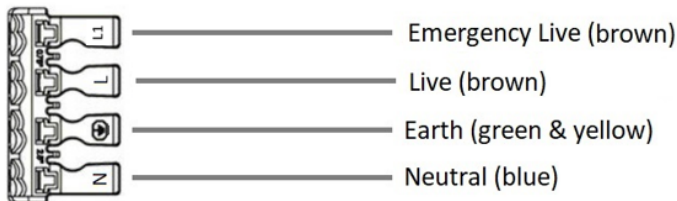


Fig. 2

- Secure the mains cable under the cable clamp and refit the terminal cover (see Fig. 3)

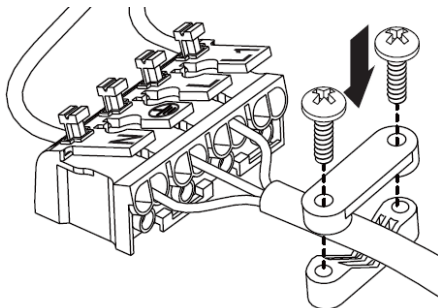


Fig. 3

- Select the required colour temperature via the three-position switch on the rear of the luminaire and required wattage on three position switches located on the driver (see Fig. 4)

CCT	WW 3000K	CW 4000K	DL 6500K
DIP Switch			

Iout	200mA	250mA	300mA	350mA
DIP Switch	1→ OFF	1→ OFF	1→ ON	1→ OFF
	2→ OFF	2→ ON	2→ OFF	2→ OFF
	3→ ON	3→ OFF	3→ OFF	3→ OFF
Power	14W	17W	21W	24W

Fig. 4

- If the photocell sensor is not required, disconnect the connectors labelled PH for the photocell sensor

WPASEMKIT

- Install by placing the emergency kit in between the metal tabs which clips to secure the EM kit on gear tray (see Fig. 5)

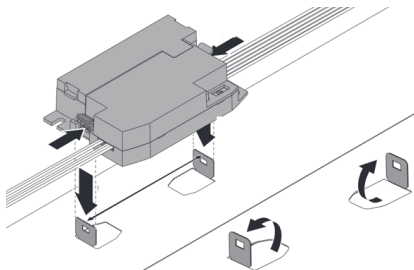


Fig. 5

- Luminaire with emergency kit, connect the connectors labelled **A** from the terminal block to **A(EM)** from the emergency module, connector labelled **B** from the LED driver to **B(EM)** emergency module, connector labelled **C** from the LED driver from to **C(EM)** emergency module, connector labelled **D** LED CCT module to **D(EM)** emergency module, connectors labelled **E** from the LED module to **E(LED)** LEDs and **IND(EM)** from the emergency module to **IND** LED indicator
- If the photocell sensor is not required, disconnect the connector labelled PH for the photocell sensor

NOTE: The connectors labelled **E** from the LED module and **E(LED)** LEDs is already connected and not mentioned on the wiring diagram below. This doesn't need to be disconnected for standard and EM operation.

- Ensure that the battery is connected by opening the emergency module casing and the battery connector on the PCB
- See Fig. 6 for wiring diagram

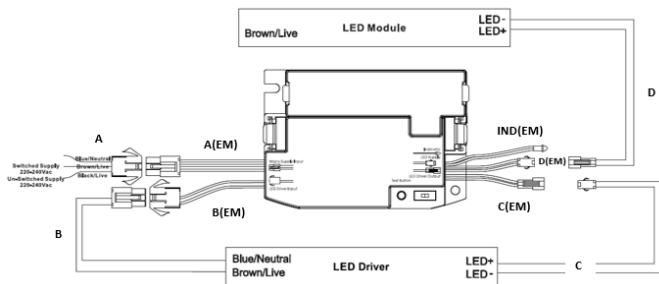


Fig. 6

- Ensure the dip switch is set to the required emergency mode. ON indicates Manual mode and 1 indicates Self-test mode
- If the photocell sensor is not required, disconnect the connectors labelled PH for the photocell sensor
- Refasten the cover (see Fig. 7)

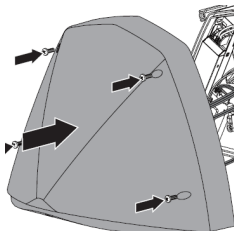


Fig. 7

- Switch on and check for correct operation

Note; This product has a soft start of approximately 3 seconds

- Switch on and check for correct operation
- Switch on and check for correct operation ensuring the green indicator LED is illuminated (if used with EM kit)
- We recommend, on commissioning the installation, a minimum charge period of 24 hours before carrying out an emergency duration test
- The test button can be used to simulate a power failure to test the lamp and battery operation. This can be used to carry out monthly functional testing providing the battery holds at least a small charge

NOTE: this fitting shuts off power to the Lithium-Ion battery periodically to prevent overcharging. Therefore, the green LED indicator has been set up to indicate that the emergency inverter is in good condition, not to indicate the battery is charging. The installer must ensure the battery is connected.

- See below for operation of the self-test function

SELF-TEST FUNCTION COMMISSIONING

- Commissioning takes place by connecting the battery and then the un-switched supply. The battery must be connected first
- The green LED indicator will immediately flash 1 x second to indicate that there is a pending duration test
- A functional test will occur at 5 minutes after commissioning to allow 5 minutes for battery charging to ensure there is some charge
- A duration test will occur at between 24 - 48 hours after commissioning
- Any faults found in the functional and duration testing will be reported by the LED indicator as detailed below
- Disconnecting the un-switched supply and the battery resets the emergency module, clears all faults and a re-commission when the battery and then the un-switched supply are reconnected
- If the un-switched supply of an emergency lighting circuit is switched ON/OFF twice within 5 seconds, the schedule for all the emergency units in the circuit will reset to the current time

DURATION TESTING (3 HOURS)

- An automatic duration test will occur between 24 – 48 hours after commissioning to allow for battery charging
- An automatic duration test will occur semi-annually or annually at a random point on the 26th or 52nd week of each year
- A duration test will occur once the battery is fully charged after pressing the manual test button for 5 – 10 seconds
- A duration test may be delayed by other events, such as a power cut that interrupts the test or a lack of charging time to the battery. If this occurs, the green LED indicator will flash 1 x second to indicate there is a pending duration test and the emergency module has been rescheduled
- Any faults found in the duration testing will be reported via the LED indicator as detailed below
- A functional test will not override any faults reported by a duration test. A full duration test or re-commissioning is required to clear any faults

FUNCTIONAL TESTING (<2 MINUTES)

- A 5 second automatic functional test will occur at 5 minutes after commissioning
- A 2-minute automatic functional test will occur every 7 days
- A manual 2-minute functional test will start after pressing the manual test button to 1 – 2 seconds
- Any faults found in the functional testing will be reported by the LED indicator, as detailed below
- A functional test will not override any faults reported by a duration test. A full duration test or re-commissioning is required to clear any faults

MANUAL TESTING

- For a manual functional test, press the test button for 1 – 2 seconds. A manual functional test will last <2 minutes will start
- For a manual duration test, press the test button for 5 – 10 seconds. A manual duration test will occur once the battery is fully charged after pressing the test button for 5 – 10 seconds

PENDING DURATION TESTING

- A duration test maybe delayed by other events, such as power cut that interrupts the test or charging period. If this occurs, the green LED indicator will flash to indicate there is a pening duration test and the emergency module has been rescheduled until charging is complete

LAMP OR LUMINAIRE FAULT

- Turn off the supply and replace or correct the fault with the lamp or luminaire, and then reconnect the supply
- Press the manual test button for 5 – 10 seconds. A manual duration test will occur once the battery is fully charged
- If the battery and power have been disconnected, the EM kit will re-commission and automatically test the replacement
- A successful functional test will not override any faults reported by a duration test. A full duration test or re-commissioning is required to clear any faults

BATTERY FAULT

- Turn off the un-switched supply to the EM kit and replace the battery, then reconnect the supply
- If the fault was because the battery was not connected, the un-switched supply must be turned off when connecting the battery to clear the battery fault
- The EM kit will re-commission and automatically test the replacement between 24 – 48 hours after commissioning to allow for battery charging

STANDARD MODE: MANUAL TESTING

- The battery when received is currently semi charged, but it may take up to 24 hours to fully charge the battery for a 3-hour test. Charge for 5 minutes before performing a functional test to ensure there is some charge in the battery
- A quick functional test can be performed by pressing the test button for 1 – 2 seconds
- To fully test the emergency function, the un-switched supply will need to be turned off. Alternatively press the test button for 5 – 10 seconds. A manual duration test will occur once the battery is fully charged. A duration test may be delayed by a lack of charging time, in which case the green LED indicator will flash 1 x second to indicate there is a pending duration test the emergency module has been rescheduled

REST / INHIBIT MODE

- Emergency operation is automatically started when the mains supply is switched off. Res inhibit mode can be activated during emergency mode by double pressing the test button. The discharging of the battery will be minimised by switching off the LED indicator output. Reconnect the supply to exit res mode

LED INDICATOR

- System status is indicated by a bi-colour indicator LED as detailed below

Standard Mode	Self-test Mode	LED Indication	Status
✓	✓	Green permanently ON	System Healthy
✓	✓	Permanently OFF	Emergency mode: Mains failure of mains disconnected
✓	✓	Green Slow Flash (0.5 seconds on – 0.5 seconds off)	Duration Test Pending
✓	✓	Green Medium Flash (0.25 seconds on – 0.25 seconds off)	Duration Test Running
✓	✓	Green Fast Flash (0.125 seconds on – 0.125 seconds off)	Functional Test Running
✓	✓	Red Permanently ON	Battery Charging Fault
✓	✓	Red Medium Flash (0.25 seconds on – 0.25 seconds off)	Battery Duration Fault
✓	✓	Red Fast Flash (0.125 seconds – 0.125 seconds off)	Lamp or Luminaire Fault
✗	✓	OFF 1 second, Red stays ON 5 seconds	26 Week Duration Test Interval
✗	✓	OFF 1 second, Red Fast Flash 5 seconds (0.125 seconds on – 0.125 seconds off)	52 Week Duration Test Interval

FUNCTIONALITY OF THE TEST BUTTON

- The test button enables the user to make a series of settings manually as detailed below

Standard Mode	Self-test Mode	Test Button Times	Status
✓	✓	Press 1 – 2 seconds	Manual Functional Test (>2 minutes)
✓	✓	Press 5 – 10 seconds	Manual Duration Test (3 hours)
✓	✓	Press <1 second	Check the current duration test interval
✓	✓	Press Twice <1 second	Set the Duration Test interval
✓	✓	Press Twice <1 second (during emergency mode)	Rest / Inhibit mode activated

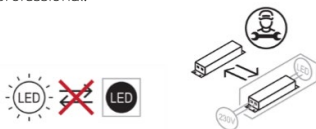
WARNING

These products 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 E to Regulation (EU) No. 2019/2015 and (UK) 2021 No. 1095.

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



Clean with a soft dry cloth only, do not use aggressive cleaning products or solvents which may damage the product.

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 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 battery in the WPASEMKIT is Lithium Ion and must be disposed of correctly. Please contact the local authorities for the disposal of this toxic waste.

WARRANTY

The products listed below have the following warranty from date of purchase.

- WPASCWA – 5 years
- WPASEMKIT – 5 years (including battery)

Failure to install these products 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 these products 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 – TEST RECORD

MANUAL

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.

SELF-TEST

Recommended routine test procedure in accordance with BS5266:

- Daily check – check status of bi-colour LED indicator
 - Monthly functional test – the luminaire will perform this function without any action from the user. Alternatively, simulate a mains supply failure for approx. 30 seconds by operation of key switch, switching off circuit breaker or using test button. Ensure normal supply is restored after test and check status of bi-colour LED indicator
 - Annual 3-hour duration test – the luminaire will perform this function without any action from the user. Alternatively, simulate a mains supply failure for 3-hour continuous test by operation of key switch, switching off circuit breaker or using test button. Ensure normal supply is restored after test and check status of bi-colour LED indicator
 - If the luminaire fails any of the above tests, please contact a qualified electrician. Results should be recorded, even when obtained via the self-test function.
- 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

230V
50Hz

IP65

IK10



>85
CRI

-20~
45°C
TA



ML
ACCESSORIES LTD



CE **UK**
CA



134

JBDEC25_V1