



INSTALLATION & MAINTENANCE MANUAL

**TORCWEM4 / TORCWEM5 /
TORCWEM6**

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 the installation of the following products:
TORCWEM4 / TORCWEM5 / TORCWEM6**

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
- This product is Class I and must be earthed
- 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
- Round cable should be used for the mains supply. The use of a flat cable will cause water to ingress into the fitting
- Using the mounting bracket as a template, mark the location for, and drill the fixing holes ensuring not to infringe with any gas/water pipes or electrical cables. Fixing centres are shown in Fig. 1

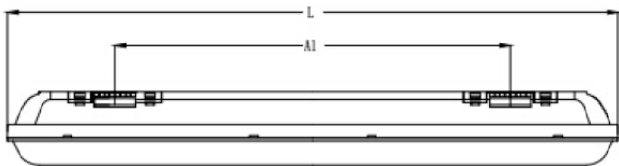


Fig. 1

Product	Length (mm)	Length (ft)	Fixings centres (mm)
TORCWMEM4	1260	4	900
TORCWMEM5	1560	5	1000
TORCWMEM6	1820	6	1000

- Secure the brackets to the surface using suitable fixings
- Unfasten the clips on either side of the luminaire
- Remove the gear tray from the base by pinching the clips at the two locations (see Fig. 2)

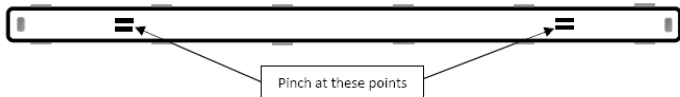


Fig. 2

- Feed the mains cable through the compression gland provided at the end of the luminaire
- Ensuring correct polarity is observed, carefully wire as shown in Fig. 3. Two cables can be inserted into the push-fit terminal block in order to achieve loop-in/loop-out wiring



Fig. 3

- Connect the battery to the inverter via the plug socket
- Select the desired colour temperature via the 3-position switch and the wattage via the switch on the side of the driver (see Fig. 4)

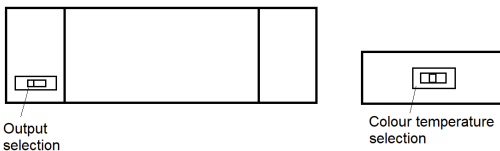
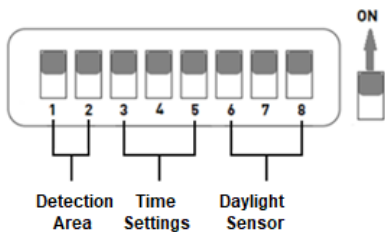


Fig. 4

- Align the body with the mounting brackets and clip it into place
- Tighten the compression gland ensuring a tight seal is made
- Reattach the gear tray to the base
- Select the desired sensor settings
- Switch on and check for correct operation ensuring the green indicator LED is illuminated
- We recommend, on commissioning the installation, a minimum charge period of 24 hours before carrying out an emergency duration test

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.

SENSOR DIP SWITCH LAYOUT












Detection Range

- The detection range is the radius in which motion is detected. The below values are valid for an installation at a height of 2.5 metres

On	1	2	
	●	●	2m
	○	●	5m
	●	○	8m
	○	○	10m










Time Settings

- This is the time for which the luminaire stays on after motion has been detected. If a motion is detected before the end time, the timer will reset

On ↑ 	3	4	5	
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	10s
	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	1min
	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	5min
	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	10min
	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	15min
	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	20min
	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	25min
	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	30min

Daylight Sensor

- When set to 24H, the sensor will switch on the luminaire regardless of the ambient light levels

On ↑ 	6	7	8	
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	24H
	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	10lux
	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	20lux
	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	50lux
	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	100lux
	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	200lux
	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	300lux
	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	500lux

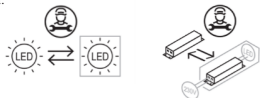
WARNING

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 C to Regulation (EU) No. 2019/2015 and (UK) 2021 No. 1095.

This product contains an 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 that may damage the product.

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.

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



**-5~
40°C
TA**

IK08

ML
ACCESSORIES LTD



**UK
CA CE**



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WARRANTY

This product has a warranty of 5 years (excluding battery) 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.

TEST RECORD

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



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

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.

Scott Brewer
Head of Technical

Catherine Connolly
CEO



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

Safety Standards

Full individual declarations and specific safety standards applicable to relevant product series can be found on our website 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 product complies with all essential requirements of the directives.

Scott Brewer
Technical Manager

Catherine Connolly
CEO



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

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

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: