

INSTALLATION & MAINTENANCE MANUAL

HEXMCF4 / HEXMCF5 / HEXMCF6

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:

HEXMCF4 / HEXMCF5 / HEXMCF6

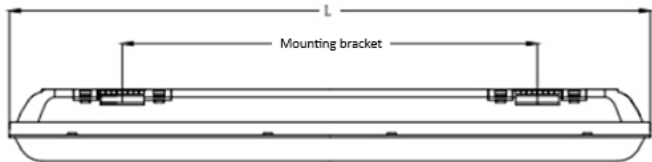
SAFETY

- These products 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 these luminaires are fitted) does not exceed the rating of the circuit cable, fuse or circuit breaker
- Please note the IP (Ingress Protection) rating of these products when deciding the location for installation
- These products are Class I and must be earthed
- These products are IP66 rated

Note: These products come pre-fitted with corridor sensor (functionality described below) and are also compatible with **MODEMKIT2** (Emergency inverter) and **MODMWS** (microwave sensor). Should any of these are required, see respective instruction manual for installation/configuration.

INSTALLATION

- 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
- Using the mounting brackets as a template, mark the location for, and drill the fixing holes ensuring not to infringe with any gas/water pipes or electrical cables.



Product code	Type	Length (mm)	Length (feet)	Fixing centre (mm)
HEXMCF4	230V	4ft	1265	950
HEXMCF5	230V	5ft	1565	1050
HEXMCF6	230V	6ft	1865	1450

Fig. 1

- Secure the mounting brackets to the surface using suitable wall plugs and screws
- Align the fitting with the mounting brackets and clip into place
- Unfasten the clips on either side of the fitting (see Fig. 2)



Fig. 2

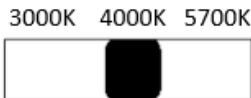
- Remove the gear tray/diffuser module - make sure hooks/straps in place for supporting it
- This product incorporates a flexible supply cable which allows mains supply entry from either side of fitting or centre. Use the compression gland provided for IP65 protection (round mains supply cable must be used for ensuring a tight seal when gland is tightened. The use of flat cable will cause water ingress and will not meet IP65).
- Fix the connector block onto required mounting point. Connect to the mains supply ensuring the correct polarity is observed: L – Live, L1 – Emergency Live (brown), E – Earth (green/yellow), N – Neutral (blue) Two cables can be inserted into the push-fit terminal block to achieve loop-in/loop out wiring (see Fig. 3)
- Check earth wire is connected to earthing point on the gear tray



Fig. 3

CCT (COLOUR TEMPERATURE) ADJUSTMENT

- Choose the required colour temperature by means of the three-position switch



DRIVER WATTAGE ADJUSTMENT

- Choose the required power via the DIP switch located on the driver.
Note – Please switch off the mains prior to adjusting power settings

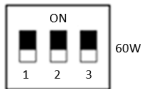
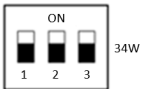
4FT



5FT



6FT



SENSOR DIP SWITCH SETTING

- Choose the required sensor setting via the DIP switch shown in (Fig. 4) and table below

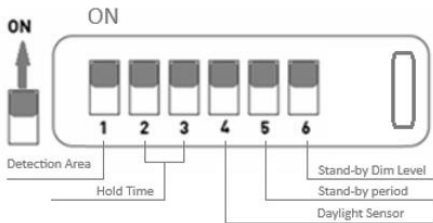


Fig. 4

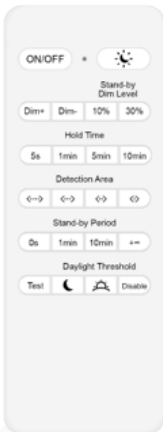
Function	Detection Area		Hold Time			Daylight Sensor		Stand-by Dim Level		Stand-by period	
Dial Code	1	Dial Code 2	3	4	5	6	Light control value	7	8	9	Light Control value
I	-	100%	-	-	5s	-	Disable	-	0%	-	+
II	ON	50%	-	ON	1min			ON	20%	ON	15min
III			ON	-	3min						
IV			ON	ON	10min						

*Keep switch 4 off as this function is unsupported

- Replace the gear tray and diffuser ensuring all clips are fastened securely
- Switch on and check for correct operation

SENSOR (OPTIONAL REMOTE CONTROL: OSPIRRE) INSTRUCTIONS

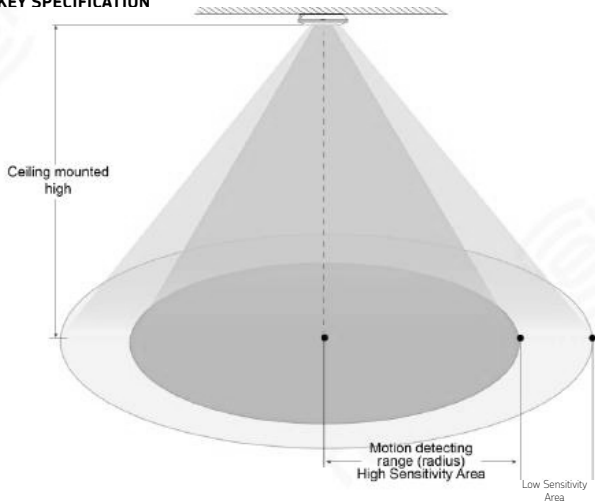
- 2 x AAA batteries (not included)
- The sensor remote has a maximum range of 25m
- * Some buttons may be inactive or behave differently to DIP switch settings. Refer to following table for options available on this product



Button	Description
ON/OFF	The light goes to constant ON/OFF mode, sensor is disabled
Sensor	Motion sensing mode and previous parameters are restored
DIM+ / DIM-	Press these buttons continuously for increasing/reducing brightness in ON mode. Dimming range 30% to 100%
Stand-by Dim Level	10%, 30%
Hold Time	30s, 1min, 5min, 10min
Detection area	100%, 75%, 50%, 25%
Stand-by Period	0s, 3min, 10 min, +∞
Test	Test mode: Detection area 100%, Hold time 2s, Daylight sensor is Disabled. Setting new parameters would cancel the Test mode
Daylight Threshold	Disabled

*Note - ☾ (30 lux), ☀ (Daylight) unsupported on this product

SENSOR KEY SPECIFICATION



- The sensor will turn on the light at 100% brightness for the first time and turn it off after 10 seconds.
- During initialization period, the sensor will not detect movement

Working frequency	5.8GHz \pm 75MHz,ISM band
Transmit power	1mW Max.
Detection range (radius)	Ceiling installation 3m high: $r \geq 4m @ 0.3m/s$, $r \geq 2.5m @ 1m/s$;
	Horizontal installation 2m high: $r \geq 8m @ 0.3m/s$, $r \geq 4m @ 1m/s$
	installation (optimum high 3m (5m Max)

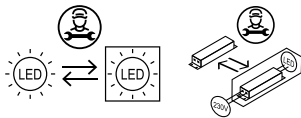
- The sensing distance is related to factors such as moving speed of the moving object, the size of the moving object, the installation height, the installation angle, whether the installation environment is open, and the material of the reflector. The detection distance given in the specification is a typical value, which is 165cm/65kg tester, and it is tested in an open indoor environment
- When the microwave sensor is installed on the wall, the detection distance will be greatly increased compared with that installed on the ceiling. If you use the wall installation method, please reduce the sensitivity to use or contact our company to confirm the use setting. The light sensitivity threshold is in a sunny environment, no shadows, and ambient light diffuse reflection conditions. In different time periods, climates, and environments, the illuminance value detected by the light sensor may be different
- Sensor parameters may need to be reconfigured in different installation environments, please refer to the following instructions or contact the manufacturer
- This sensor is only for indoor use, outdoor wind and rain, and surrounding moving objects will cause false triggering
- The installation height of the sensor product cannot exceed 6 meters, and the optimal height is 3 metres: the distance between two sensors should be greater than 3 meters
- When the sensor is installed in a metal lamp, on a metal reflective surface, or in a narrow closed environment, microwaves will be reflected multiple times and cause false triggering. Please reduce the sensor sensitivity or contact the manufacturer for technical support.
- Please make sure that there are no moving signals such as fans, DC motors, sewer pipes, air outlets, etc. around the sensor, otherwise the sensor may cause false triggering.
- Microwaves cannot penetrate metal, avoid installing in closed or semi-closed metal lamps, and there should be no metal or glass blocking the product

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

These products contain a light source of energy efficiency class C to Regulation (EU) No. 2019/2015. These products contain a replaceable LED light source 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.

These products are non-dimmable.

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

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

WARRANTY

These products have a warranty of 7 years from date of purchase. 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.

Knightsbridge

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.



Dave Dawkins
CEO



Kevin Stubbs FSLL
Head of Technical



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

Knightsbridge

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.



Dave Dawkins
CEO



Kevin Stubbs FSLL
Head of Technical



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.

SUPPLIED BY:

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MADE IN CHINA

230V
50Hz



IP66



-20~
45°C
TA

IK10

>85
CRI

*Corridor dimming only

ML
ACCESSORIES LTD



UK
CA **CE**



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