



Read these instructions before commencing installation. Please give these instructions to the owner/occupier after installation to retain for future reference/maintenance.

IP20 0.3m 240V~50Hz 11W-60W

These fittings are Class I and must be Earthed

Important Information

It is recommended that these luminaires are installed and fitted by a qualified electrician ensuring the installation complies with current IEE wiring regulations & local building control. These products are designed for connection to a 240V~50Hz supply. Any faulty, broken or damaged luminaires should be replaced immediately. KSR will not accept responsibility for any claims arising from a poor installation. Please Note: The limited warranty shall be deemed null and void in the following circumstances: Failure by the installer, end user or any third party to exercise caution to protect any covered product or part from outside damage, adverse temperature (normal operating ambient temperature 0 ~ 35°C), humidity conditions, fluctuations in the electrical system or physical abuse as well as failure related to workmanship in the installation of the products or parts.

Important User Advice

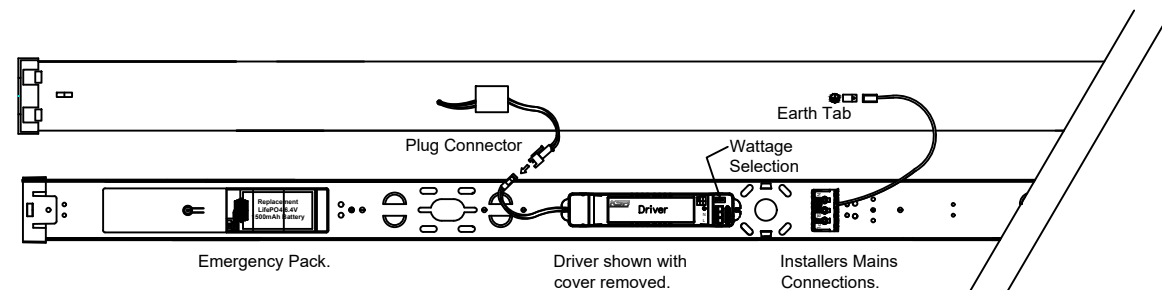
Always switch off mains supply before installing/servicing. This luminaire is suitable for indoor use only and should not be fitted to damp or wet surfaces such as freshly plastered or painted ceilings. Do not use Megger or similar high voltage instruments. Due to the fact this luminaire contains electronic components that maybe damaged by high test voltages, they must be disconnected from the circuit before testing. To prevent damage to the driver, do not mix with conventional magnetic ballasts on the same electrical circuit. At the end of life the luminaire is classed as WEEE under directive 2014/30/EU and should be disposed of in accordance with local legislation.

Installation Procedure

Familiarize yourself with the luminaire/installation procedure and ensure the power is safely isolated before installing the luminaire.

Separate the LED Top Diffuser plate from the main body by pulling apart. The wiring and support straps are disconnected for ease of installation. Offer the main body up to the ceiling and mark the fixing points. If using surface conduit ensure the beza boxes are at 600mm centres. Drill and secure the main body in place, dressing the supply cable through either of the three rear entry points or end caps. Set the Wattage via the switch & dip switch (ONLY WITH FITTING SWITCHED OFF) Connect the plug & play connections & mains wiring as per the guide below & overleaf (Fig.1). Offer up the LED Top Diffuser and connect the two support straps in the main body to the top diffuser. Connect the LED supply cable and earth connections, then snap the Top diffuser onto the main body, ensuring it is properly located along the whole length and that no cables are trapped. Turn on the power and test the luminaire.

LEDs are an inductive load. To avoid unwanted MCB tripping it may be necessary to uprate your breakers.



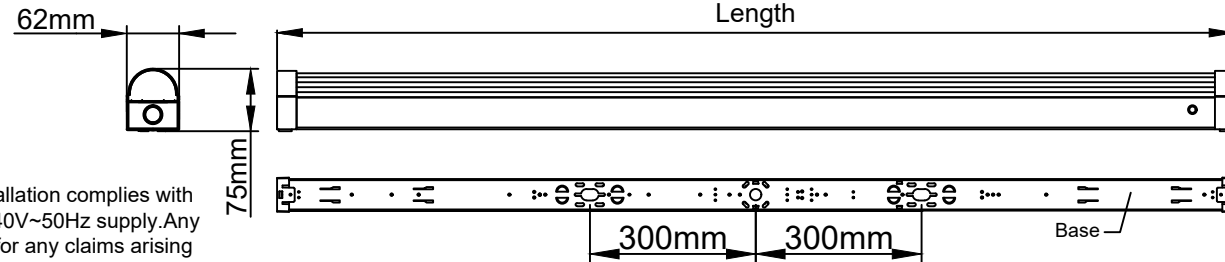
Always Remember to Plug in the Battery

*This product contains a light source of energy efficiency class E
The Control Gear in this product can be replaced by a professional.*



KSR Lighting Ltd, Optimum House, Beeding Close, Southern Cross Trading Estate,
Bognor Regis, West Sussex, PO22 9TS.

Available finish: White Only



Product Code	Description	Dimensions L x W x H	CCT (K)	Wattage	Lumens
KSR98310	Navara X3-4ft	1170mm x 62mm x 75mm	4000K	11W	1590
				14W	1975
				17W	2390
				20W	2835
				EM Mode*	290
KSR98311	Navara X3-4ft	1170mm x 62mm x 75mm	4000K	21W	3020
				27W	3875
				32W	4570
				38W	5335
				EM Mode*	290
KSR98312	Navara X3-5ft	1460mm x 62mm x 75mm	4000K	18W	2590
				22W	3095
				27W	3795
				32W	4495
				EM Mode*	290
KSR98313	Navara X3-5ft	1460mm x 62mm x 75mm	4000K	29W	4075
				36W	5065
				44W	6285
				52W	7285
				EM Mode*	290
KSR98314	Navara X3-6ft	1730mm x 62mm x 75mm	4000K	22W	3155
				28W	4030
				34W	4765
				40W	5615
				EM Mode*	290
KSR98315	Navara X3-6ft	1730mm x 62mm x 75mm	4000K	33W	4635
				42W	5890
				51W	7150
				60W	8425
				EM Mode*	290

KSR98195 - Plug & Play On/Off Microwave Sensor Pack - Also Available



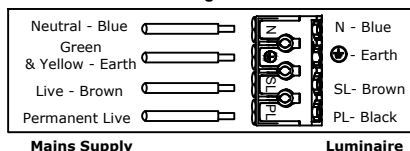
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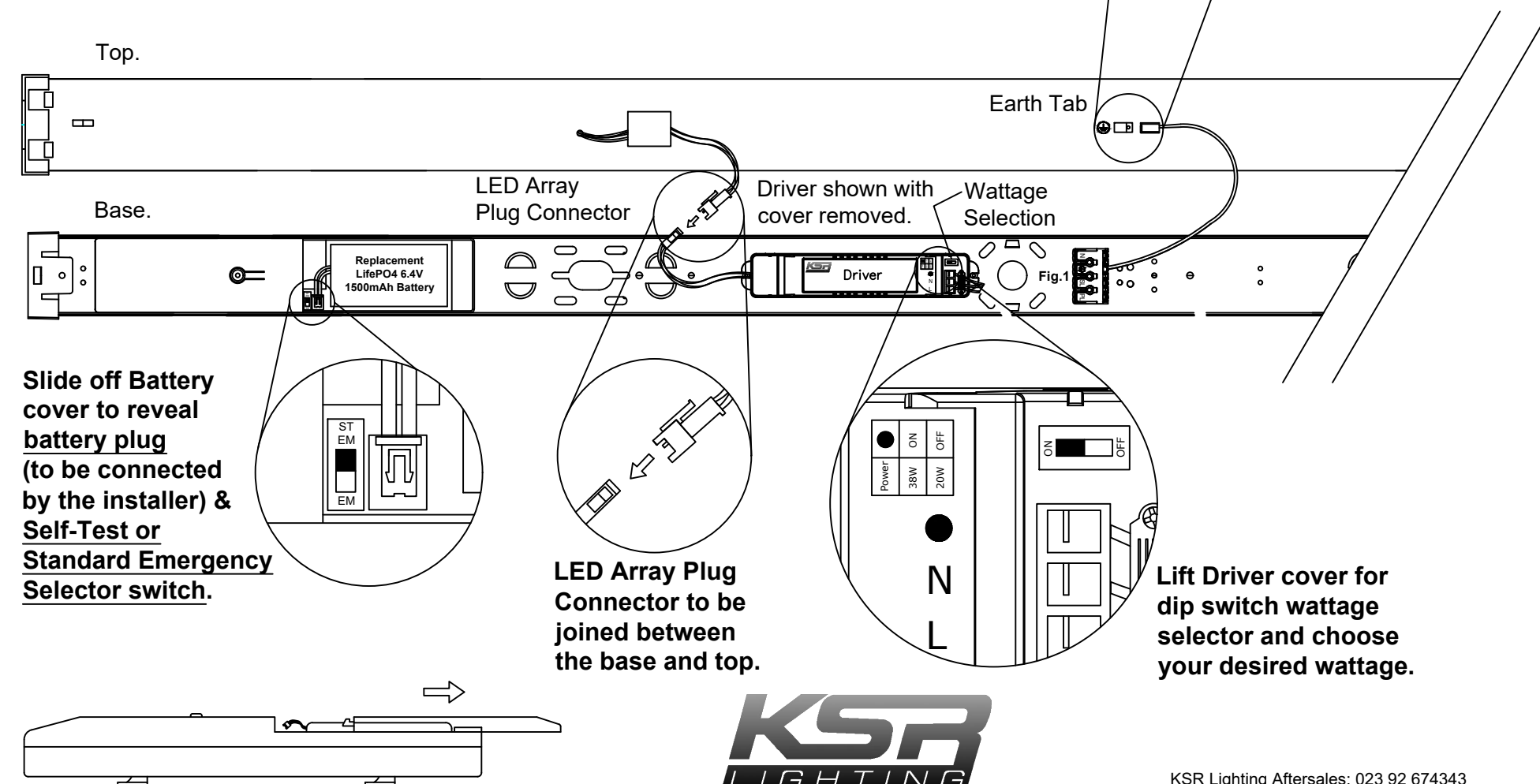
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Fig.1



Connect the mains supply as per below (Fig.1).

Ensure the Earth cable from the base is fitted correctly onto the Earth tag on the top part of the luminaire.



KSR Lighting Aftersales: 023 92 674343
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Drg No. KSR98310-98315-EM-IS-A

All tests must be undertaken at times of least risk and in accordance with the latest standards as indicated below:

Daily:

LED charge indicators shall be visually inspected for correct operation.

Monthly:

(in addition to the daily check) If automatic testing devices are used, the results of the short duration tests shall be recorded. Test shall be carried out as follows:

1. Switch the luminaire over to emergency mode to operate from the batteries by simulating a failure of supply to the emergency circuit for a period sufficient to ensure correct luminaire operation.

Note: The period of simulation failure should be sufficient for the purpose of this clause whilst minimising damage to the system components e.g lamps. During this period, all luminaires shall be checked to ensure that they are present, clean and functioning correctly. At the end of this test period, the unswitched supply should be restored and any indicator lamp or device should be checked to ensure that is showing that the supply has been restored.

Annually:

If automatic testing devices are used, the results of the short duration tests shall be recorded. For all other systems the monthly inspection shall be carried out and the following additional tests made:

1. Each luminaire shall be tested monthly as above but for its full duration in accordance with the manufacturer's information.
2. The unswitched supply for the luminaire should be restored and any charge indicator lamp or device should be checked to ensure that it shows the unswitched supply has been restored. The charging arrangements should be checked for proper functioning.
3. The date of the test and its results shall be recorded in the system logbook.

A copy of this report must accompany any emergency luminaire returned to KSR Lighting for any reason.



Emergency Lighting Periodic Test Schedule

All emergency lighting should be installed and tested in accordance to the latest standards. This test schedule should remain onsite and be accessible to the relevant authorities on request.

[illegible]

Site Address:

Test Conducted By:

Date of Test Completion:

Comments/Actions

[illegible]

x ✓=Pass, X=Fail, N/T=Not Tested, N/A=No Access, U/T=Uncomplete Test

Self Test Emergency Inspection/Testing Instructions

All full duration tests should be where possible be undertaken at times of low risk adjacent emergency luminaires we recommend that you you reset the inbuilt timer or run a manual 30 day test on alternate emergency luminaires to stagger testing times. Once commissioned fill in the date of the first test/install date this will allow the end user to monitor and record subsequent test information on the supplied report. All tests with the exception of the visual inspection will be completed automatically at the relevant times including battery charge condition and lamp status.

Daily:

Visual inspection of the battery charge LED.

Automatic Monthly (Every 30 Days):

(in addition to the daily check) The results of the short duration test shall be recorded.

Automatic Annually (Every 180 & 360 Days):

(in addition to the daily check) The results of the full duration tests shall be recorded.

A copy of this report must accompany any emergency pack returned to KSR Lighting for any reason.

Performance Indicators	
Normal Operation	Red LED off, Green LED Solid
Automatic 30 Day Test	Red LED off, Green LED flashing once a second
Automatic 180/360 Day Test	Red LED off, Green LED flashing twice a second
Manual Simulated Power Failure	Red LED off, Green LED off
Manual 30 Day Test	Red LED off, Green LED flashing once a second
Manual 180/360 Day Test	Red LED off, Green LED flashing twice a second
Manual Fast Test (24 minutes)	Red LED off, Green LED four times a second

Manual Testing - Can only be completed under mains conditions	
Manual Simulated Power Failure	Hold test button until you hear 1 beep
Manual 30 Day Test	Hold test button until you hear 2 beeps
Manual 180/360 Day Test	Hold test button until you hear 3 beeps
Manual Fast Test (24 minutes)	Hold test button until you hear 4 beeps
Abort Test	Hold test button for 1 second
Reset Inbuilt Timer	Hold test button for 15 seconds long beep

Fault Indicators	
Battery/Charging Fault	Red LED flashing once a second, Green LED off, Beeps twice every minute until fault rectified
Lamp Fault	Red LED flashing twice a second, Green LED off, Beeps twice every minute until fault rectified
Failed Duration Test	Red LED solid, Green LED off, Beeps twice every minute until fault rectified



KSR Lighting Self Test Emergency Install/Inspection/Test Record



Product Code:	Product Description:
Product Location:	
Commissioning Date:	Commissioned By:

[illegible]