



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

IP40 240V~50Hz 3W LED

This Emergency luminaire is Class II and does not require an Earth

Important Information

It is recommended that this Emergency luminaire is 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 modules 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 - 45°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. As the buyer/installer and/or user of this product it is your own responsibility to ensure that this emergency luminaire is fit for the purpose for which you have intended and operates to the relevant standards. KSR Lighting can't accept any liability for loss, damage or premature failure resulting from inappropriate use. Do not use Megger or similar high voltage instruments. Due to the fact this Emergency pack contains electronic components that may be damaged by high test voltages, they must be disconnected from the circuit before testing. To prevent damage to the Emergency luminaire, do not mix with conventional magnetic ballasts on the same electrical circuit. At the end of life the Emergency 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 installation procedure and ensure the power is safely isolated before installing the Emergency luminaire. Choose your colored rim and secure to the front of the downlight (snap on). Locate the area's suitable to install these luminaires. Cut a round 35mm hole and ensure there is sufficient ceiling void without infringing on joists, water pipes or electrical cables. Connect your mains supply, Permanent Live - L and Neutral - N. These fittings are Class II and do not require an earth connection. Ensure the inverter and batteries are connected then place the Inverter Pack / batteries into the ceiling void (through the cut out), and if required, fold battery compartment on top of inverter housing. Push back the two spring clips and offer the luminaire in to the cut-out, carefully release the springs and allow them to pull the fitting into place as per Fig 2. Ensure there is adequate free air ventilation around the inverter and the luminaire. Turn on the power and ensure that the module is showing it's charge indicator. This fitting requires a minimum 24 Hour initial charge period prior to any emergency testing, please see overleaf for testing routine. All results must be recorded and left with the end user.

The battery has a rated duration of at least 4 years but should be replaced if the duration of operation is less than 3 hours after a 24hr charge time with no interrupted supply.

KSR Lighting Aftersales: 023 92 674343
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Available Rim Finishes: White, Silver and Black

Fig 1.

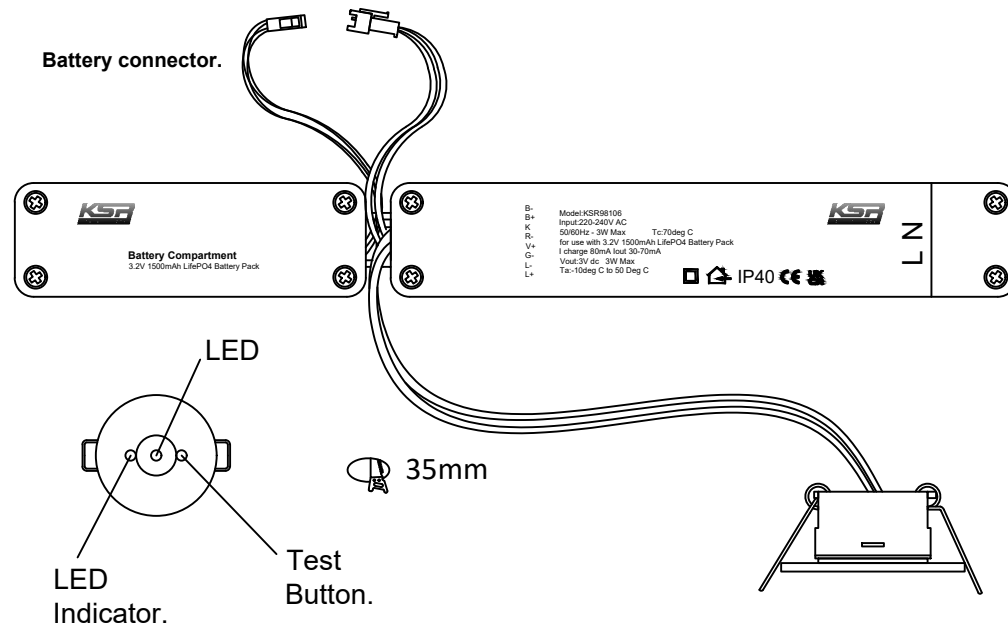
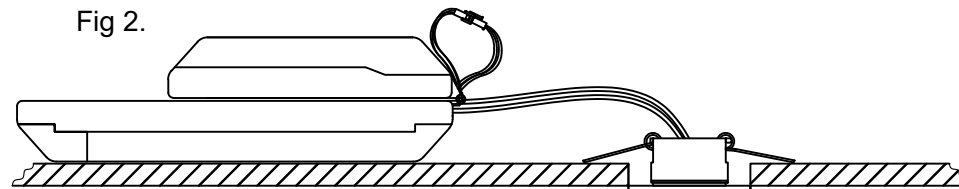


Fig 2.



ØRim Size	ØCut out	Void Depth Req'd
42mm	35mm	220mm

Lamp Details

Wattage: 3W
Colour: 6000K
Lumen Output: 137 Lumens

The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.





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Installation Particulars For End User

Commissioning:

Once the luminaire has been installed in line with the manufacturer’s recommendations, the battery should be allowed to charge for a minimum period of 24 hours before testing for its rated duration. If it is anticipated that the un-switched supply may be interrupted, it is imperative that the battery is left disconnected and commissioning is delayed until the supply is stable.

If the luminaire has been stored for a number of months, it may be necessary to repeat the charge/discharge process several times to re-condition the battery. After successful commissioning, the battery should be marked with the date of commission.

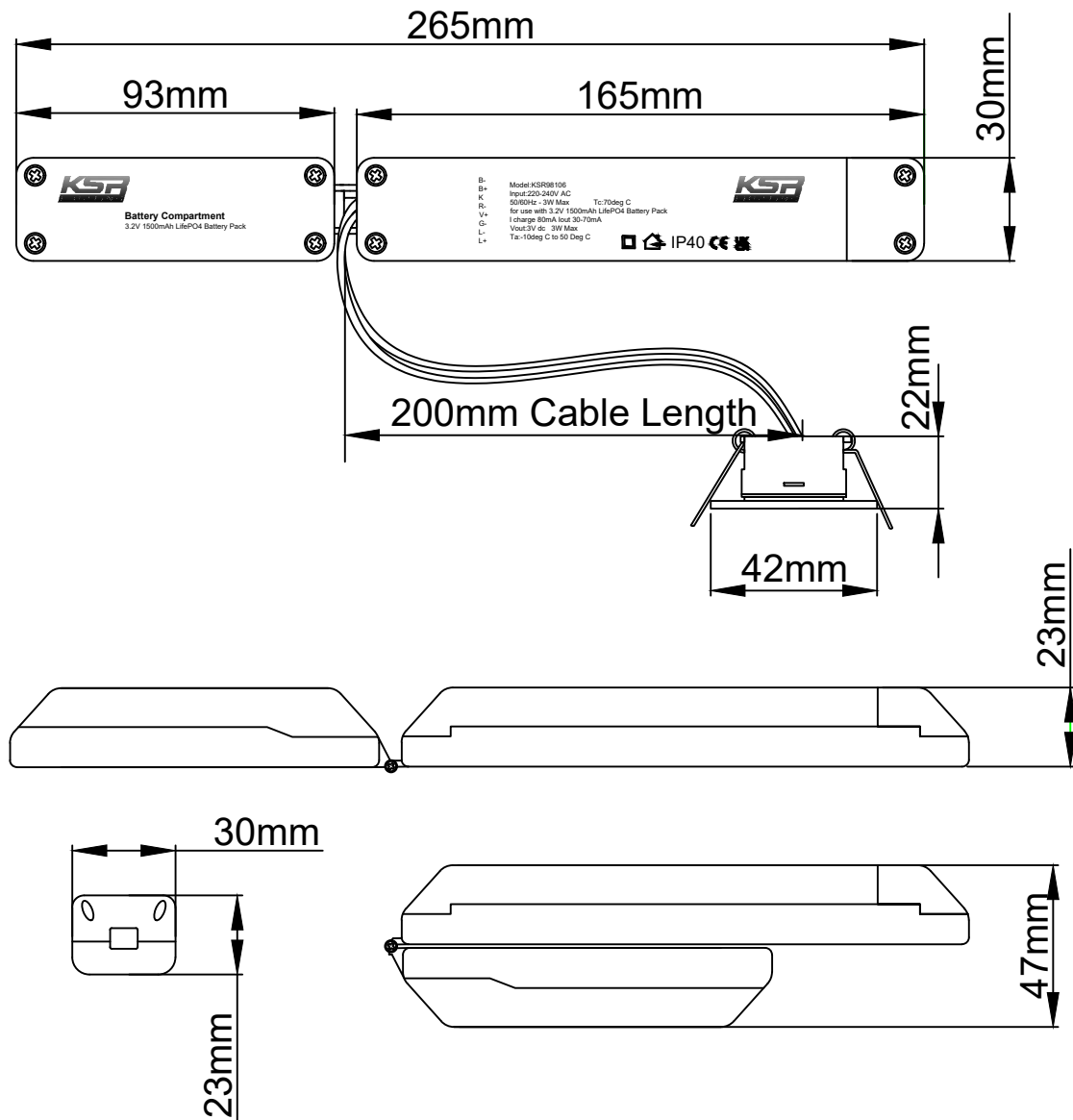
Regular full discharge cycles may adversely affect the design life of the battery.

Precautions

This product should be installed as per the following guidelines, electric shock or damage to the product may result if incorrectly installed. The luminaire should be installed by a qualified and competent electrician. If the luminaire is to be mounted in cold or hot environments, consider the battery location as temperatures below 5°C will in this case compromise the design life and more frequent battery replacements may be needed. Likewise, if the luminaire is situated in a hot environment where the temperature is maintained at 25°C or above, or sited next to large panes of glass in which case it may be exposed to thermal magnification.

Warranty

The LED luminaire comes complete with a 5 year warranty from date of purchase unless otherwise stated. Please note that the emergency packs and batteries come with a 3 year fixed warranty. Should any claim be made against battery failure within the warranty period, full and complete maintenance test reports must be provided.



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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



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KSR Lighting Self Test Emergency Install/Inspection/Test Record



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

Month	Test	Year:		Year:		Year:		Year:		Year:	
		Sign	Date	Sign	Date	Sign	Date	Sign	Date	Sign	Date
01	Function										
02	Function										
03	Function										
04	Function										
05	Function										
06	Duration										
07	Function										
08	Function										
09	Function										
10	Function										
11	Function										
12	Duration										