



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 (Fig.1). 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 into 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.

Complete With - Rim Finishes: White, Silver and Black

Fig 1.

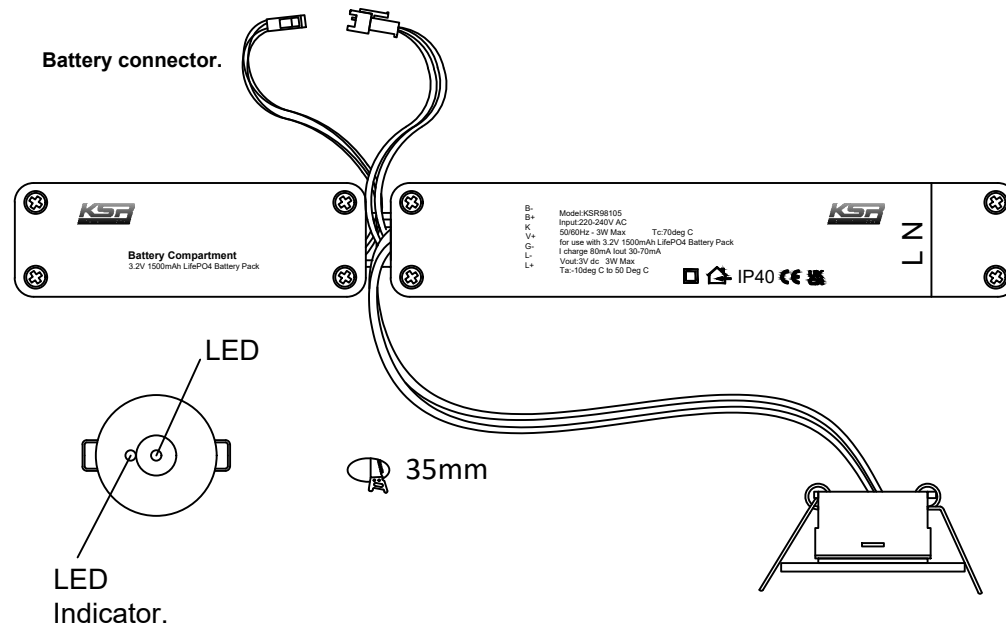
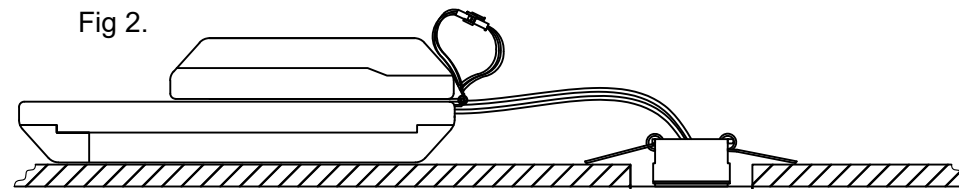


Fig 2.



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.



KSR Lighting Aftersales: 023 92 674343
E-mail: aftersales@ksrlighting.com



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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.

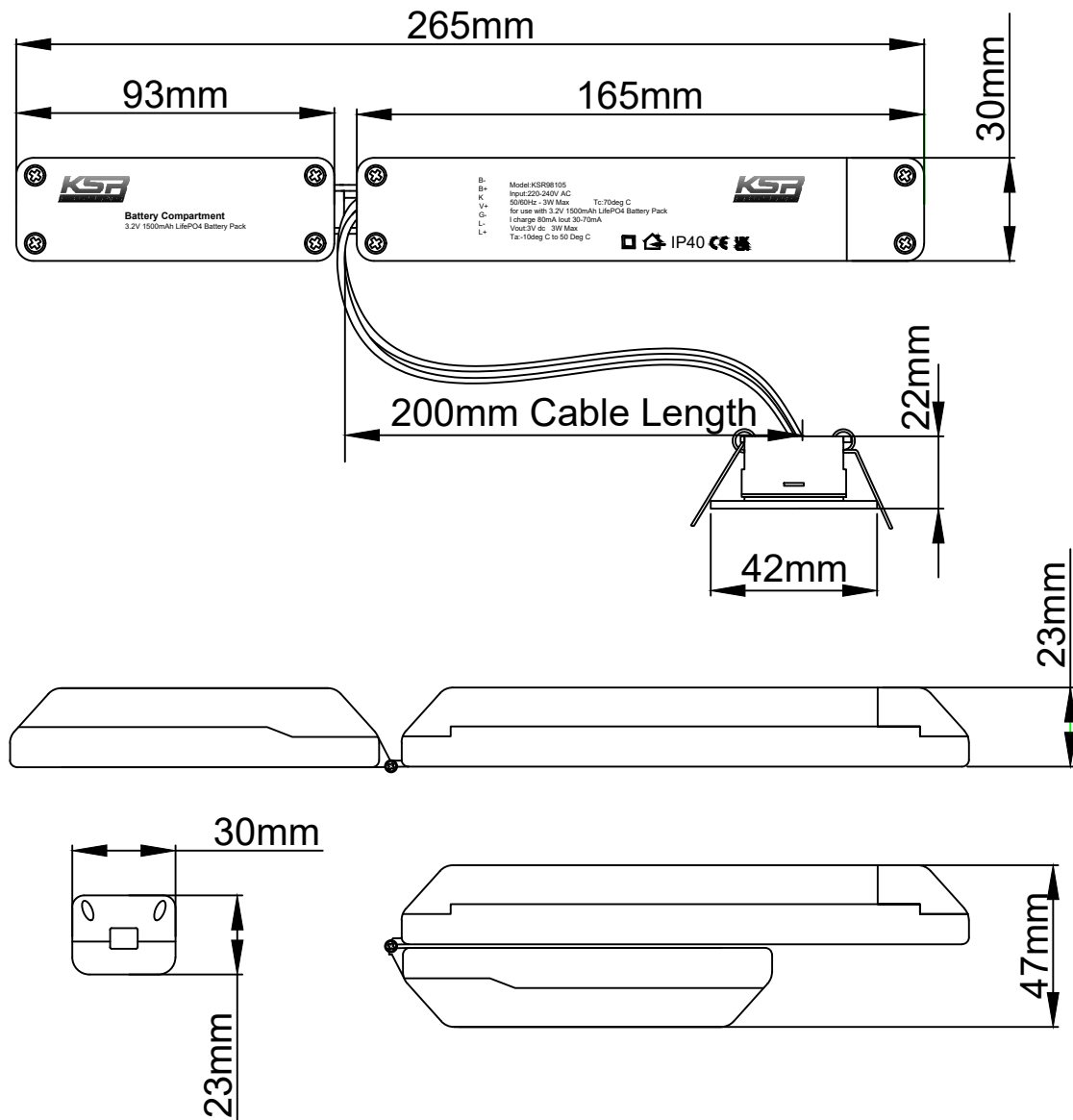
Regular full discharge cycles may adversely affect the design life of the battery.

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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All tests must be undertaken at times of least risk and in accordance with EN 50172:2004 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.



