



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

IP20 **CE** **240V~50Hz 5W LED**

This Emergency pack is Class II when mounted this way 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 pack 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.

Please note: This luminaire is non-dimmable.

Do not use Megger or similar high voltage instruments. Due to the fact this Emergency pack contains electronic components that maybe damaged by high test voltages, they must be disconnected from the circuit before testing.

To prevent damage to the Emergency pack, 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

Locate the area's suitable to install the luminaire, ensuring it meets the requirements of BSEN5266-1:2011

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

Remove all 4 plastic rivets from luminaire Blade and insert the required legend(s).

Cut the ceiling in the desired location (Cut Out 335mm x 60mm). Ensure the location provides adequate distance from water pipes, electrical cables, ceiling joists or any other structural obstacles.

Remove 4 knockouts located on the main body and attach the semi-recessed kit to the luminaire using the two fixing Pins provided.

Bring the incoming supply cable through the cut out and connect to the luminaire supply cable via a junction / connection box (not supplied). Ensuring correct polarity is observed (please see below for electrical connections).

Carefully remove the backing plate by releasing the two fixing screws and re-connect the emergency battery male and female connectors.

Offer the luminaire into the aperture, bend back the springs and push gently into the ceiling. Do not install onto new plaster or wet paint.

Turn on the mains supply to test the luminaire.

Turn on the power and ensure that the module is showing charge indicator.

This fitting requires a minimum 24 Hour initial charge period prior to any manual emergency testing, please see Emergency Inspection/Testing sheet 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.

Fig 1.

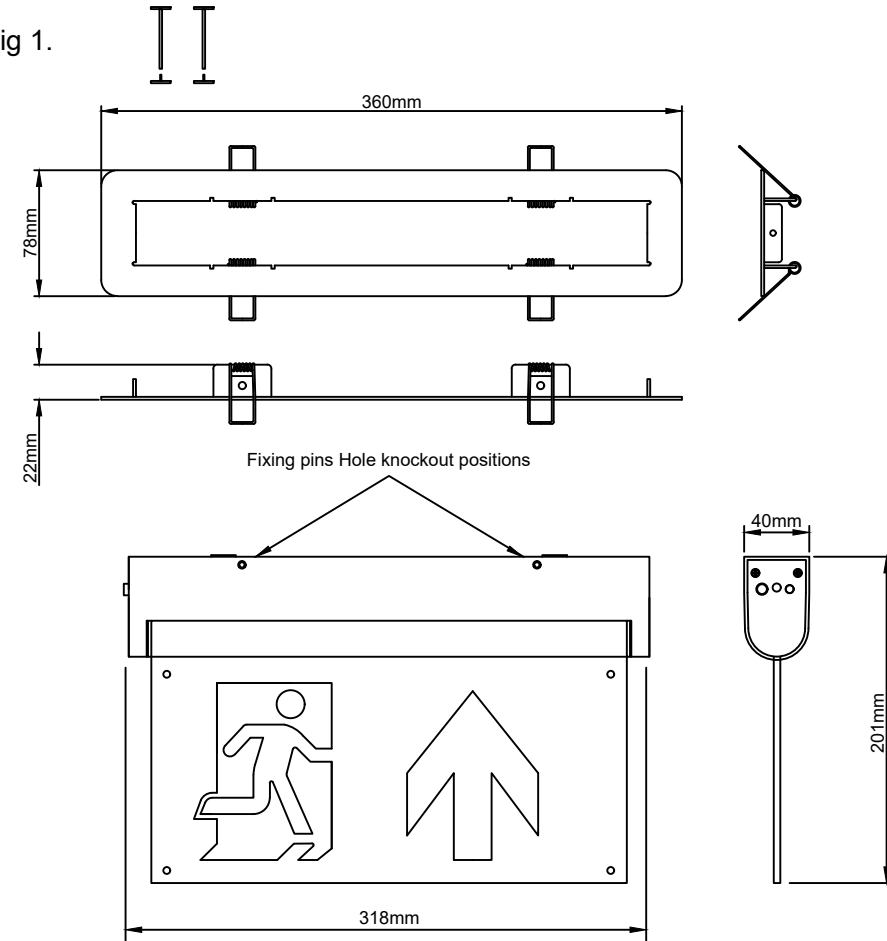


Fig 2.

Black		L - Permanent Live
Brown		L' - Switch Live
Neutral		N - Neutral

Lamp Details

Wattage: 5W
Lamp Cap: LED
Lamp Colour: 6000K
Lumen Output:
24 lumens (Mains)
14 lumens (Battery)
Ambient Temperature: 0~+45°C



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

KSR Lighting Aftersales: 023 92 674343

E-mail: info@ksrlighting.com



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IP20 240V~50Hz 5W LED

This Emergency pack is Class I when mounted this way and does 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.

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Please note: This luminaire is non-dimmable.

Do not use Megger or similar high voltage instruments. Due to the fact this Emergency pack contains electronic components that maybe damaged by high test voltages, they must be disconnected from the circuit before testing.

To prevent damage to the Emergency pack, 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

Locate the area's suitable to install the luminaire, ensuring it meets the requirements of BSEN5266-1:2011

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

Remove all 4 plastic rivets from luminaire Blade and insert the required legend(s).

Secure the steel bracket to the desired suitable ceiling surface (fixings supplied).

Connect the incoming supply cable to the terminations on the steel bracket ensuring correct polarity is observed (please see below for electrical connections).

Carefully remove the backing plate by releasing the two fixing screws and re-connect the emergency battery male and female connectors.

Attached the suspension kit from the back of the luminaire housing (each suspension point 101mm from centre) to the surface mounting plate, altering the luminaire supply cable and suspension wire to the desired length.

Connect the luminaire supply cable to the terminations on the steel bracket again checking correct polarity is observed. (please see Fig. 2. for electrical connections)

Fix the surface mounting plate to the steel bracket using the fixing screws.

Turn on the mains supply to test the luminaire.

Turn on the power and ensure that the module is showing charge indicator.

This fitting requires a minimum 24 Hour initial charge period prior to any manual emergency testing, please see Emergency Inspection/Testing sheet 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.

Fig 1.

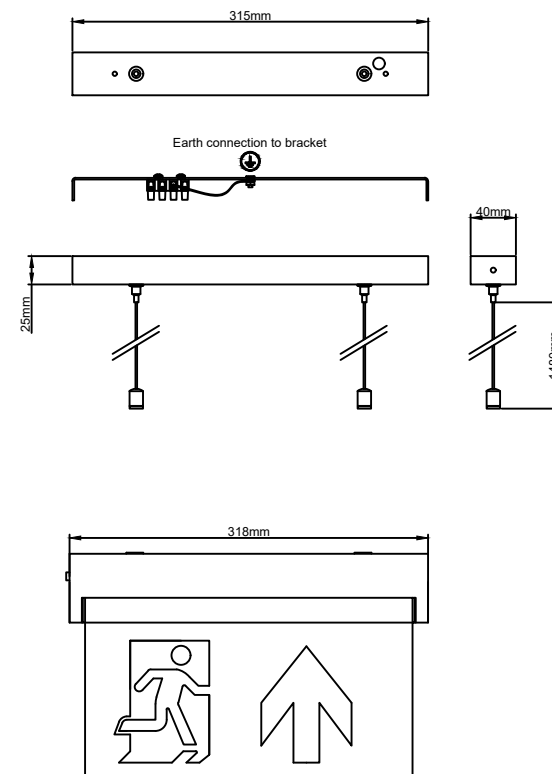


Fig 2.

Black		L - Permanent Live
Brown		L' - Switch Live
Green/Yellow		Earth
Blue		N - Neutral

Lamp Details

Wattage: 5W
Lamp Cap: LED
Lamp Colour: 6000K
Lumen Output:
24 lumens (Mains)
14 lumens (Battery)
Ambient Temperature: 0~+45°C





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Please note: This luminaire is non-dimmable.

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To prevent damage to the Emergency pack, 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

Locate the area's suitable to install the luminaire, ensuring it meets the requirements of BSEN5266-1:2011

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

Remove all 4 plastic rivets from luminaire Blade and insert the required legend(s).

Access to the mains terminal is achieved by removing 2 screws from the backing plate.

Secure the wall bracket to the desired suitable surface (fixings supplied). Bring supply cable through the centre hole in the wall bracket.

Connect the incoming supply cable to the terminations inside the luminaire ensuring correct polarity is observed (please see Fig 2. for electrical connections).

Carefully replace the backing plate and ensure the emergency battery male and female connectors are connected.

Fix the luminaire to the wall bracket from the back of the luminaire housing, this will require one knockout being used and one screw from the main back plate using the two fixing screws (see Fig 3.).

Turn on the mains supply to test the luminaire.

Turn on the power and ensure that the module is showing charge indicator.

This fitting requires a minimum 24 Hour initial charge period prior to any manual emergency testing, please see Emergency Inspection/Testing sheet 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.

Fig 1.

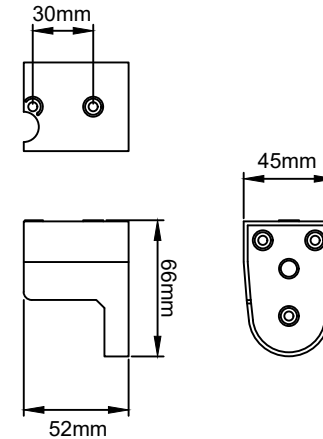


Fig 3.

Bracket fastens to wall via 3 Screws

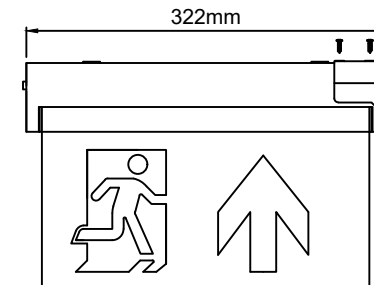


Fig 2.

Black		L - Permanent Live
Brown		L' - Switch Live
Neutral		N - Neutral

Lamp Details

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14 lumens (Battery)
Ambient Temperature: 0~+45°C



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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:

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										