



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

IP20 240V~50Hz 3W LED

This Emergency pack 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 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 - 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.

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 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 latest standards.

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

Open up the luminaire by removing 2 end locking screws and carefully prising the base plate from the body.

Route supply cable through the grommet in the base plate.

Fix the base plate to the wall or ceiling as required using suitable fixing for the substrate.

Connect the luminaire to the supply cable (the terminal block can be removed by carefully prying from it's holder).

Terminate as required below (Fig.1):

**Non-Maintained Emergency**

Connect the mains input Unswitched Live (PL), Neutral (N)

**Maintained Emergency**

Connect the mains input Unswitched Live (PL), Neutral (N), Switch Live (SL) or link Unswitched Live (PL) to Switch Live (SL)

Please note: Earth is not required but provision is available for continuation if required.

Connect the battery to the PCB using the plug and play connector.

Write on the battery label in permanent ink the date of commissioning.

Switch to emergency mode required using dip switch on the board (ON - Standard Emergency, 1 - Self Test Emergency) (Fig.2)

Re-install the back plate to the body and re-install the locking screws.

Align blade as required (Fig.3).

Remove the legend if required by carefully sliding up/bending, once removed carefully tear apart and re-insert to the orientation required back into the frame. Ensure the legend is seated correctly.

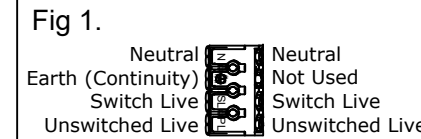
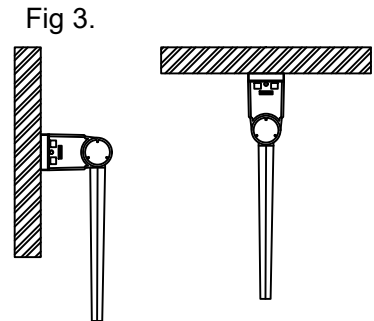
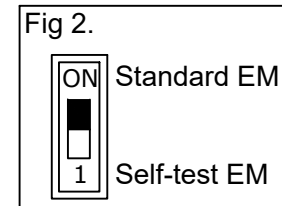
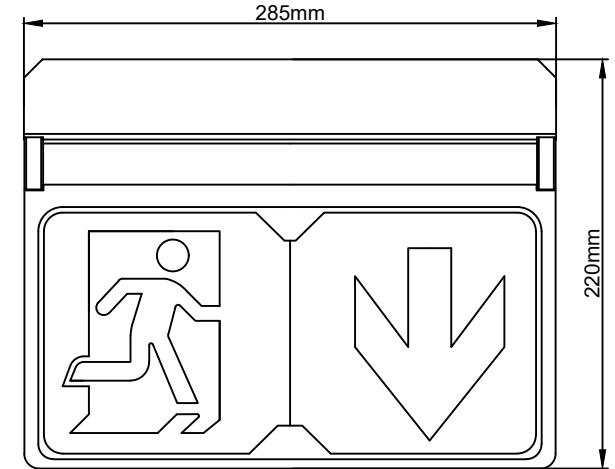
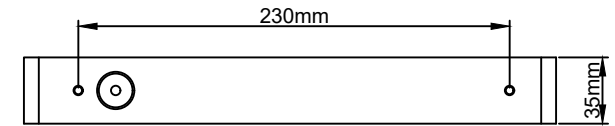
Turn on the mains power and ensure that the module is showing the charge indicator.

This fitting requires a minimum 24 Hour initial charge period prior to any manual emergency testing, please see

Emergency Inspection/Testing sheets 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.



Lamp Details	
Wattage:	3W
Light Source:	LED
Lamp Colour:	6000K
Lumen Output:	37 lumens (Mains) 14 lumens (battery)
Ambient Temperature:	0~+30°C



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**IP20** **240V~50Hz 3W LED**

This Emergency pack 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 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 - 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.

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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 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 latest standards.

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

Cut the ceiling in the desired location (Cut Out 300mm x 65mm). Ensure the location provides adequate distance from water pipes, electrical cables, ceiling joists or any other structural obstacles.

Bring the incoming supply cable through the cut out, open up the luminaire by removing 2 end locking screws and carefully prising the base plate from the body. Connect the luminaire to the supply cable (the terminal block can be removed by carefully prying from it's holder).

Terminate as required below (Fig.1):

### Non-Maintained Emergency

Connect the mains input Unswitched Live (PL), Neutral (N)

### Maintained Emergency

Connect the mains input Unswitched Live (PL), Neutral (N), Switch Live (SL) or link Unswitched Live (PL) to Switch Live (SL)

Please note: Earth is not required but provision is available for continuation if required.

Connect the battery to the PCB using the plug and play connector.

Write on the battery label in permanent ink the date of commissioning.

Switch to emergency mode required using dip switch on the board (ON - Standard Emergency, 1 - Self Test Emergency) (Fig.2)

Re-install the back plate to the body and re-install the locking screws.

Insert the luminaire into the recess frame so it clicks and locks into place.

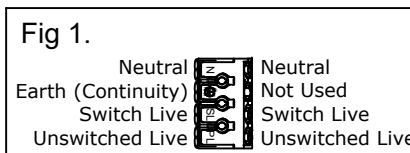
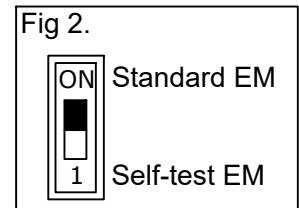
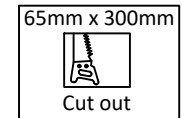
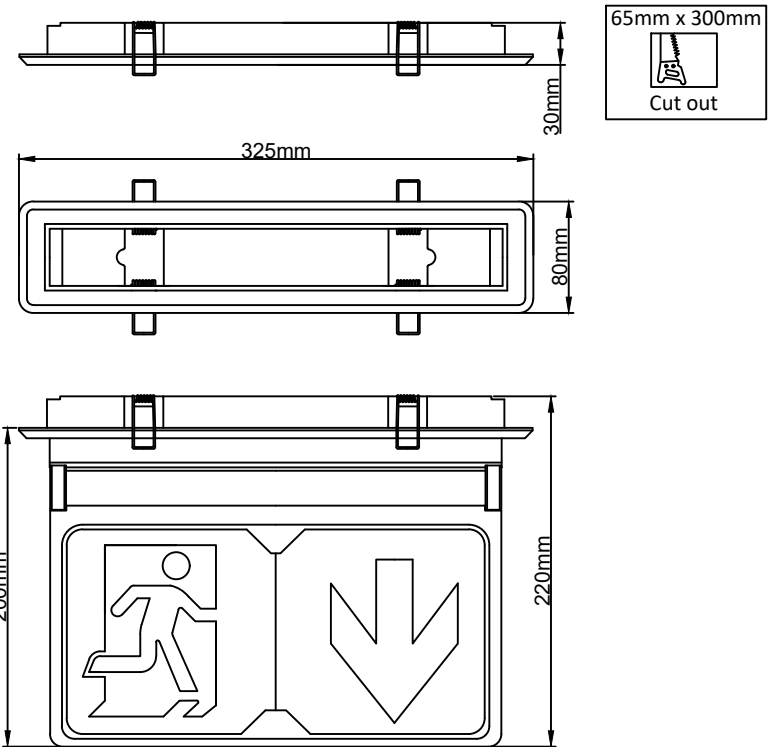
Offer the luminaire into the aperture, bend back the springs and push gently into the ceiling. Do not install onto new plaster or wet paint.

Remove the legend if required by carefully sliding up/bending, once removed carefully tear apart and re-insert to the orientation required back into the frame. Ensure the legend is seated correctly.

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

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



Lamp Details	
Wattage:	3W
Light Source:	LED
Lamp Colour:	6000K
Lumen Output:	37 lumens (Mains) 14 lumens (battery)
Ambient Temperature:	0~+30°C



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IP20 240V~50Hz 3W LED

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**Important Information**

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**Installation Procedure**

Locate the area's suitable to install the luminaire, ensuring it meets the latest standards.

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

Secure the 2x suspension cables supplied to the ceiling plate securing with nuts supplied. Adjust length of suspension cables to required length (Fig.1).

Connect the incoming supply cable to the ceiling plate terminal block supplied ensuring the correct terminations are observed.

Connect a maximum round 8mm outer diameter supply cable to the ceiling plate terminal block also ensuring the correct terminations are observed (Fig.2) and insert grommet supplied into the ceiling plate and route cable through the grommet.

Fix the ceiling base plate to the ceiling using suitable fixings for the substrate.

Open up the luminaire by removing 2 end locking screws and carefully prising the base plate from the body.

Fix the base plate to the 2x suspension cables using the 2x machine screws supplied (Fig.1)

Connect the luminaire to the supply cable (the terminal block can be removed by carefully prying from it's holder).

Terminate as required below (Fig.2):

**Non-Maintained Emergency**

Connect the mains input Unswitched Live (PL), Neutral (N)

**Maintained Emergency**

Connect the mains input Unswitched Live (PL), Neutral (N), Switch Live (SL) or link Unswitched Live (PL) to Switch Live (SL)

Please note: Earth is not required but provision is available for continuation if required.

Connect the battery to the PCB using the plug and play connector.

Write on the battery label in permanent ink the date of commissioning.

Switch to emergency mode required using dip switch on the board (ON - Standard Emergency, 1 - Self Test Emergency) (Fig.3)

Re-install the back plate to the body and re-install the locking screws.

Remove the legend if required by carefully sliding up/bending, once removed carefully tear apart and re-insert to the orientation required back into the frame. Ensure the legend is seated correctly.

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

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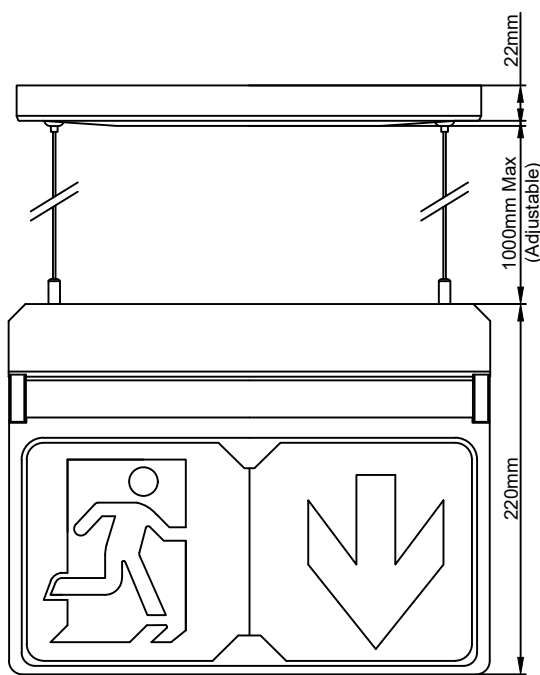
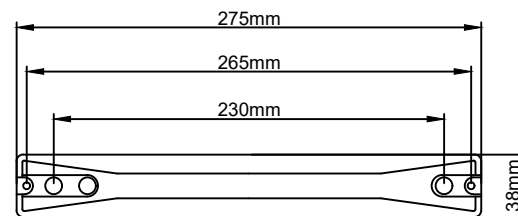


Fig 1.

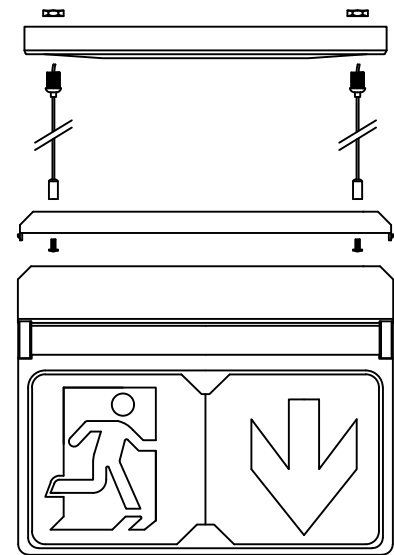
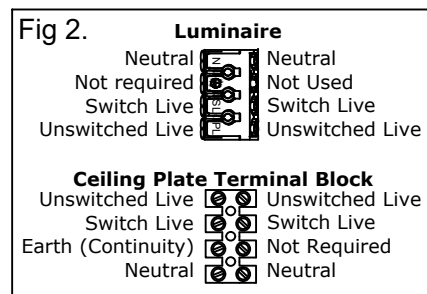
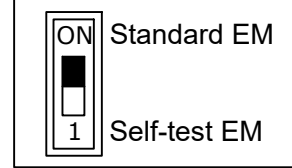


Fig 3.



**Lamp Details**

Wattage: 3W  
 Light Source: LED  
 Lamp Colour: 6000K  
 Lumen Output:  
 37 lumens (Mains)  
 14 lumens (battery)  
 Ambient Temperature: 0~+30°C



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**Installation Procedure**

Locate the area's suitable to install the luminaire, ensuring it meets the latest standards.

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

Secure the side wall mount bracket to the wall ensuring enough space above to fix the 2 fixing screws (Fig.1).

Open up the luminaire by removing 2 end locking screws and carefully prising the base plate from the body.

Fix the base plate to the side wall mount bracket using the 2x screws supplied (Fig.1)

Route supply cable through the grommet.

Connect the luminaire to the supply cable (the terminal block can be removed by carefully prying from it's holder).

Terminate as required below (Fig.2):

**Non-Maintained Emergency**

Connect the mains input Unswitched Live (PL), Neutral (N)

**Maintained Emergency**

Connect the mains input Unswitched Live (PL), Neutral (N), Switch Live (SL) or link Unswitched Live (PL) to Switch Live (SL)

Please note: Earth is not required but provision is available for continuation if required.

Connect the battery to the PCB using the plug and play connector.

Write on the battery label in permanent ink the date of commissioning.

Switch to emergency mode required using dip switch on the board (ON - Standard Emergency, 1 - Self Test Emergency) (Fig.3)

Re-install the back plate to the body and re-install the locking screws.

Remove the legend if required by carefully sliding up/bending, once removed carefully tear apart and re-insert to the orientation required back into the frame. Ensure the legend is seated correctly.

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

This fitting requires a minimum 24 Hour initial charge period prior to any manual emergency testing, please see

Emergency Inspection/Testing sheets 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

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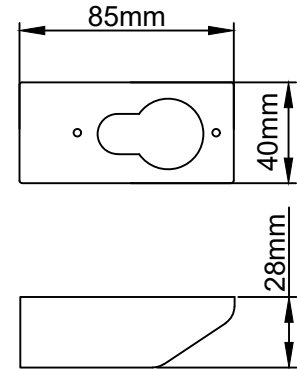


Fig 1.

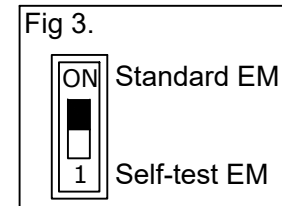
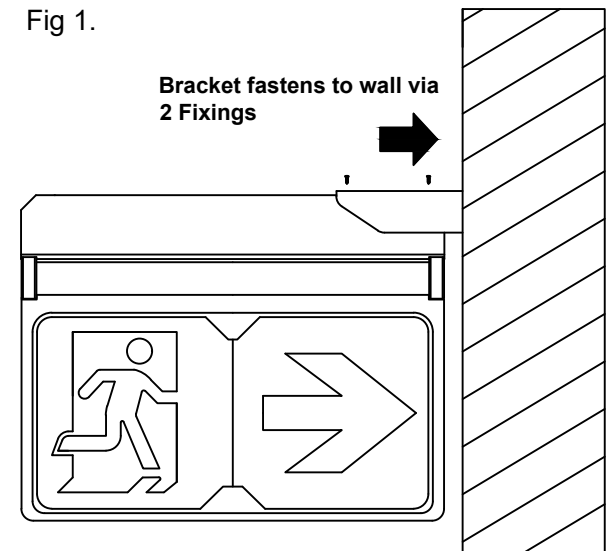
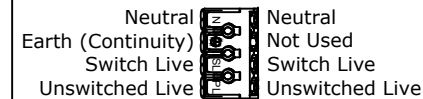


Fig 2.



**Lamp Details**

Wattage: 3W  
 Light Source: LED  
 Lamp Colour: 6000K  
 Lumen Output:  
 37 lumens (Mains)  
 14 lumens (battery)  
 Ambient Temperature: 0~+30°C



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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.





## 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

### Fault Indicator - **LED SOLID RED**

This means the batteries have been totally depleted and will require a hard reset - This is done by, with the unit still fully powered, unplug the battery connector and plug back in. If this does not resolve the issue, please call KSR Aftersales.



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