

# RadiaLED® Rapid Pro/Pro Slim EM Pack

Installation instructions for RadiaLED® Rapid Pro/Pro Slim EM Pack



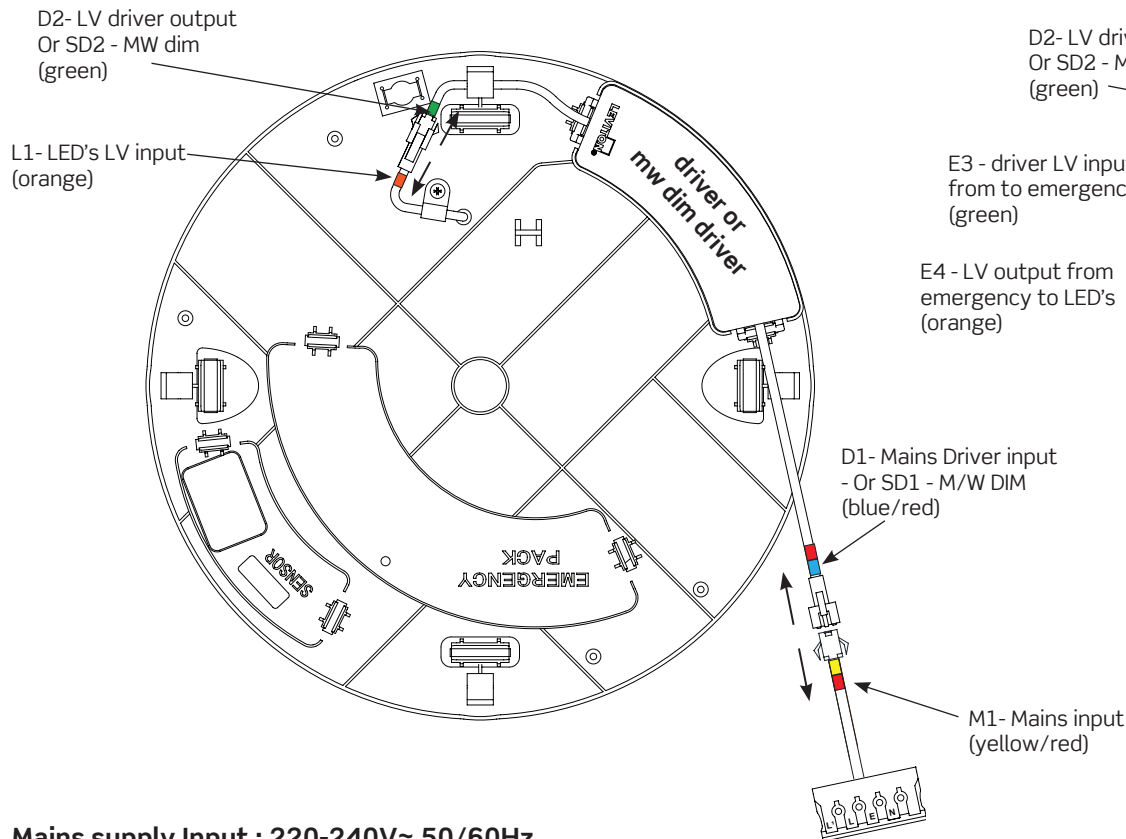
## WARNINGS AND CAUTIONS

- To avoid electric shock ⚠ or serious injury or property damage, isolate power before installing, removing or servicing the product
- It is recommended that this product is installed by an electrician or a competent person with sufficient experience to install this product
- To be installed in accordance with the local current wiring regulations and standards
- JCC will not accept responsibility for claims arising from sub-standard installations; which will void the warranty
- Ensure that you have the tools and accessories required to complete the installation correctly
- This emergency pack is only suitable for with RadiaLED Rapid Pro and Rapid Pro Slim range
- Do not carry out insulation tests with this product connected to the circuit
- Any broken or damaged parts should be replaced as soon as possible

## INSTALLATION INSTRUCTIONS

ENGLISH

### Standard and microwave dimmable version connections

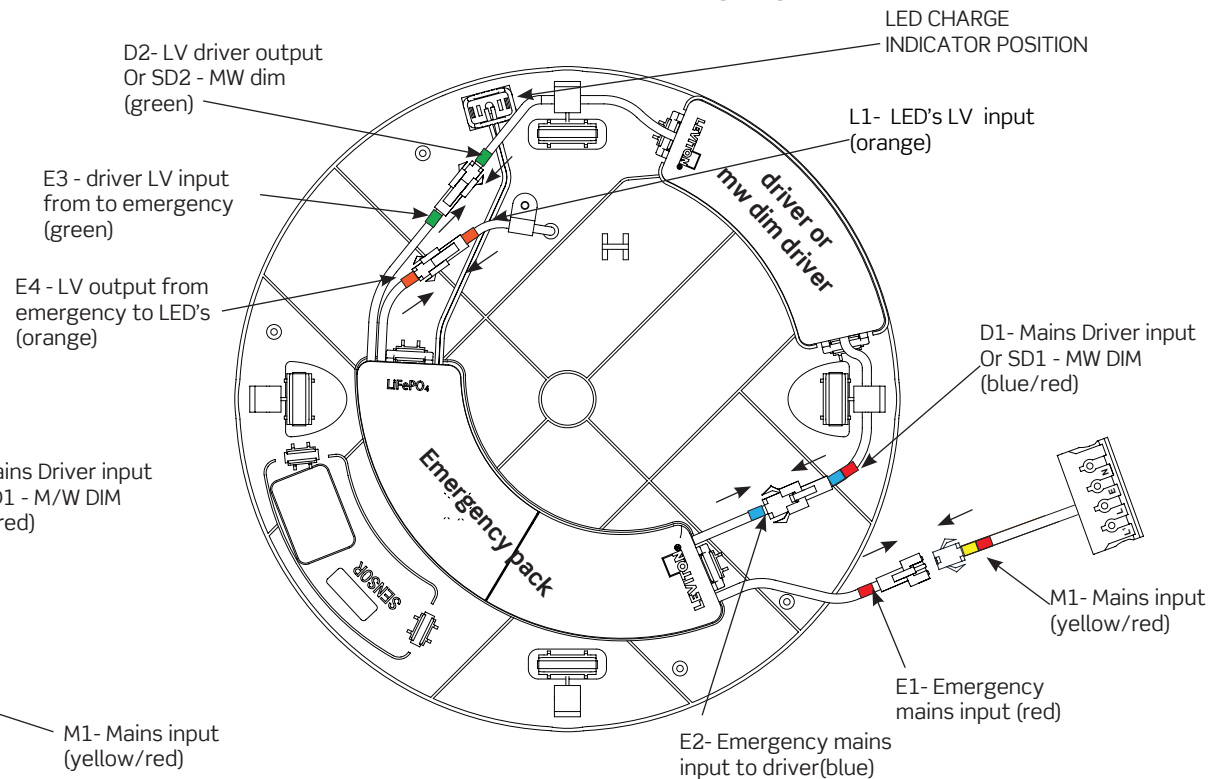


Mains supply Input : 220-240V~ 50/60Hz

| CABLE CODE/COLOUR                   | ACTION          | CABLE CODE/COLOUR                     |
|-------------------------------------|-----------------|---------------------------------------|
| M1 - MAINS INPUT (YELLOW/RED)       | DISCONNECT FROM | D1 - DRIVER INPUT (BLUE/RED)(OR SD1*) |
| D2 - DRIVER OUTPUT (GREEN)(OR SD2*) | DISCONNECT FROM | L1 - LED'S LV INPUT (ORANGE)          |

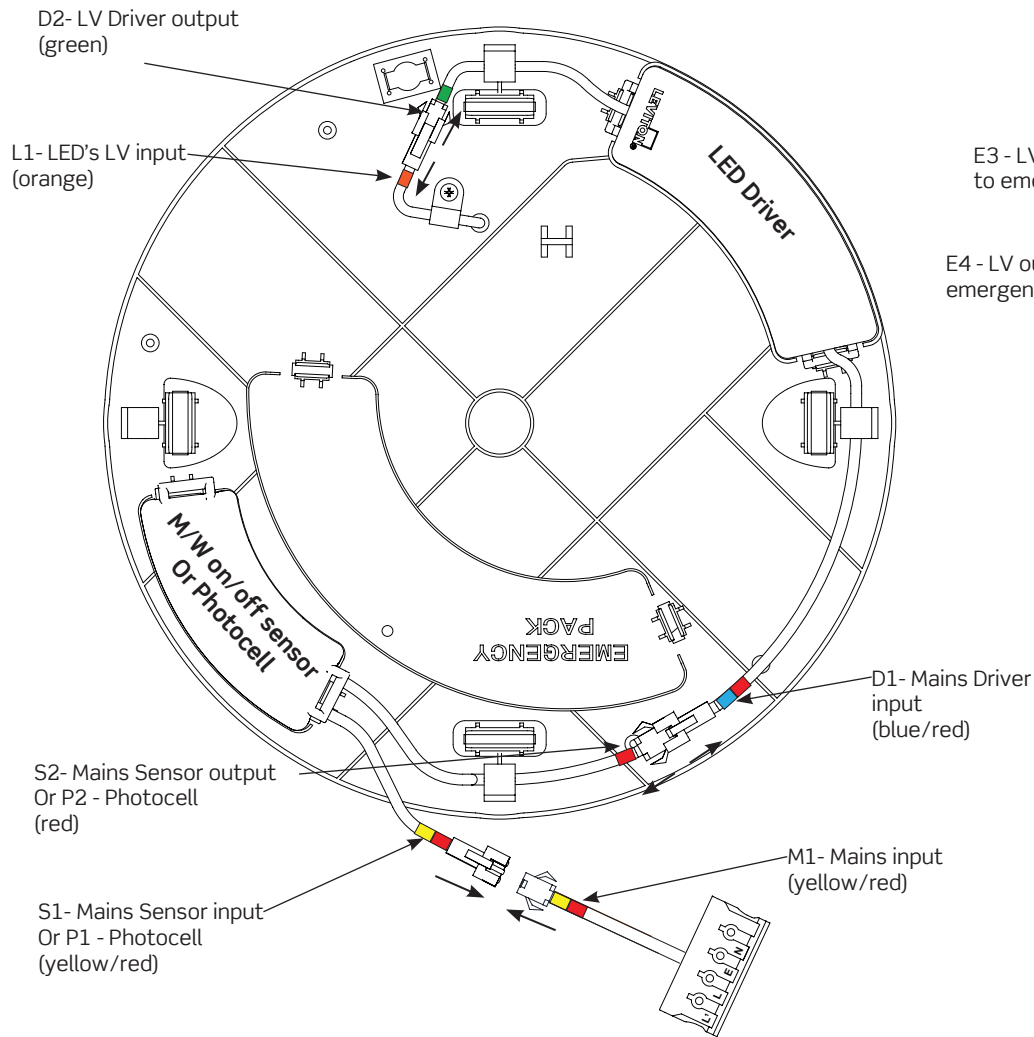
\* SD1 or SD2 are microwave dimmable version connections

### Standard microwave dimmable Emergency version connections

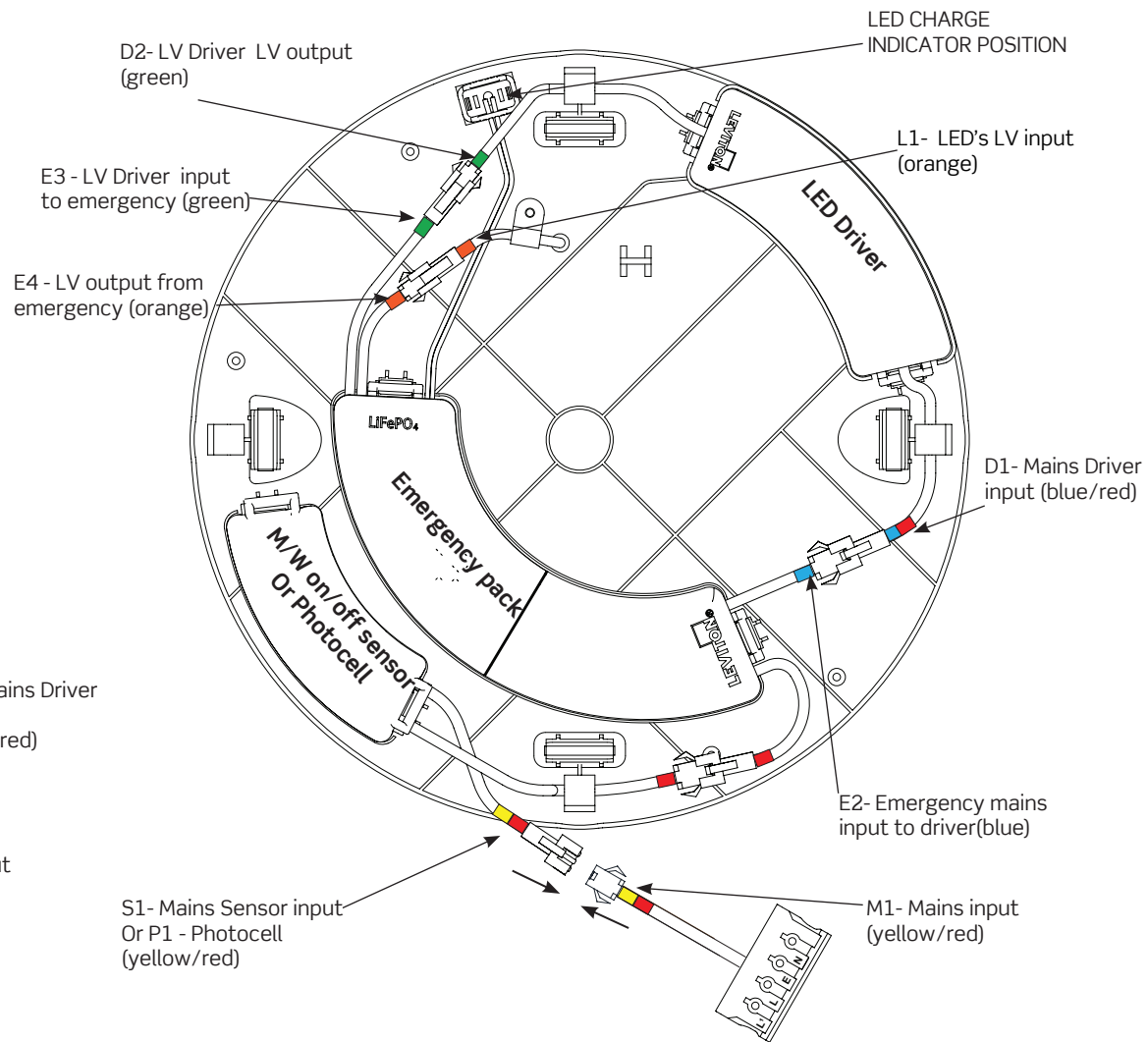


| CABLE CODE/COLOUR                      | ACTION     | CABLE CODE/COLOUR                    |
|--|------------|--------------------------------------|
| M1 - MAINS INPUT (YELLOW/RED)          | CONNECT TO | E1 - EM MAINS INPUT (RED)            |
| D1 - DRIVER INPUT (BLUE/RED)(OR SD1*)  | CONNECT TO | E2 - EM MAINS INPUT TO DRIVER (BLUE) |
| D2 - DRIVER LV OUTPUT (GREEN)(OR SD2*) | CONNECT TO | E3 - DRIVER LV INPUT TO EM (GREEN)   |
| L1 - LED'S LV INPUT (ORANGE)           | CONNECT TO | E4 - LV OUTPUT FROM EM (ORANGE)      |

### Microwave/Photocell Standard version connections



### Microwave/Photocell Emergency version connections



| CABLE CODE/COLOUR                  | ACTION          | CABLE CODE/COLOUR                         |
|------------------------------------|-----------------|---|
| M1- MAINS INPUT(YELLOW/RED)        | LEAVE CONNECTED | S1- MAINS SENSOR INPUT(YELLOW/RED)(OR P1) |
| S2-MAINS SENSOR OUTPUT(RED)(OR P2) | DISCONNECT FROM | D1- DRIVER INPUT(BLUE/RED)                |
| D2-DRIVER OUTPUT(GREEN)            | DISCONNECT FROM | L1- LED'S LV INPUT(ORANGE)                |

| CABLE CODE/COLOUR            | ACTION          | CABLE CODE/COLOUR                         |
|------------------------------|-----------------|---|
| M1- MAINS INPUT(YELLOW/RED)  | LEAVE CONNECTED | S1- MAINS SENSOR INPUT(YELLOW/RED)(OR P1) |
| D1-DRIVER INPUT(BLUE/RED)    | CONNECT TO      | E2- EM MAINS INPUT TO DRIVER(BLUE)        |
| D2- DRIVER LV OUTPUT(GREEN)) | CONNECT TO      | E3- DRIVER LV INPUT TO EM(GREEN)          |
| L1-LED'S LV INPUT(ORANGE)    | CONNECT TO      | E4-LV OUTPUT FROM EM(ORANGE)              |

## Emergency range routine inspection and test

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

Weekly: Indicators of central power supply 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:

a) Switch the luminaire over to emergency mode to operate from the batteries by simulating a failure of supply to the normal lighting 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 and signs shall be checked to ensure that they are present, clean and functioning correctly. At the end of this test period, the supply to the normal lighting should be restored and any indicator lamp or device should be checked to ensure that is showing that the normal 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:

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

A copy of this report must accompany any fitting returned to the manufacturer for any reason.

## General Information

Our products are designed to comply with the requirements of UK law and the relevant industry national and international standards and should not be modified in any way. All emergency lighting systems should comply with the recommendations of BS5266-1: Code of Practice for the Emergency Lighting of Premises and be installed by competent engineers in accordance with the relevant wiring regulations. Before installing any type of Emergency Lighting always seek the advice and approval of the local Fire Prevention Officer (or equivalent authority).

## Maintenance

Failed or faulty light sources connected to this equipment should be replaced immediately. These units are designed especially for a long and trouble free life. Under normal conditions, will require no routine maintenance or service beyond the inspection and test regime of BS5266-1. Both mains supply and battery protection fusing is incorporated internally. Should access to these or any other part of the circuitry be required this must be undertaken only by suitably qualified person. Special care must be taken when removing the cover to circuitry and battery. Only replacement components authorised by the company must be used. Disposal of replaced components should be in accordance with the component manufacturers instructions.

You can help protect the environment. Please remember to respect the local regulations: hand in the non-working electrical equipment to an appropriate waste disposal centre. The packaging material is recyclable. Dispose of the packaging in an environmentally friendly manner and make it available for the recyclable material collection service.



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## Self-test version charge indicator

| Fault/Test/Status   | Reason                       | Indicator Status                  |
|---------------------|------------------------------|-----------------------------------|
| Battery charged     | Normal operation             | Solid green                       |
| Battery charging    | Initial charge/top up        | Flashing green 1sec on 1sec off   |
| Auto test 3 hours   | Annual Test                  | Flashing green 3sec on 1sec off   |
| Auto test 5 mins    | Monthly test                 | Flashing green 3sec on 3sec off   |
| Duration test fault | Failed Monthly/annual test   | Flashing red 0.5sec on 0.5sec off |
| LED fault           | Not connected/damaged/faulty | Flashing red 2sec on 2sec off     |
| Battery fault       | Not connected/damaged/faulty | Solid red                         |

**Standard Version LED Charge Indicator operation:** Green light on: charging/normal operation  
No indicator light on: indicates fault

## Important warranty information

This product is supported by a 2-year standard warranty which will extend to 5-years if registered within the first year of purchase. (5 year on batteries). Please register at [jcc.co.uk/warranty](http://jcc.co.uk/warranty) (Terms and conditions apply).

The installer will be asked to provide the following information, which is detailed on a label attached to the luminaire's chassis: Product Code/Date Code.

| Month     | Test Type  | First Year |      | Second Year |      | Third Year |      | Fourth Year |      | Fifth Year |      |
|-----------|------------|------------|------|-------------|------|------------|------|-------------|------|------------|------|
|           |            | Sign       | Date | Sign        | Date | Sign       | Date | Sign        | Date | Sign       | Date |
| January   | Functional |            |      |             |      |            |      |             |      |            |      |
| February  | Functional |            |      |             |      |            |      |             |      |            |      |
| March     | Functional |            |      |             |      |            |      |             |      |            |      |
| April     | Functional |            |      |             |      |            |      |             |      |            |      |
| May       | Functional |            |      |             |      |            |      |             |      |            |      |
| June      | Functional |            |      |             |      |            |      |             |      |            |      |
| July      | Functional |            |      |             |      |            |      |             |      |            |      |
| August    | Functional |            |      |             |      |            |      |             |      |            |      |
| September | Functional |            |      |             |      |            |      |             |      |            |      |
| October   | Functional |            |      |             |      |            |      |             |      |            |      |
| November  | Functional |            |      |             |      |            |      |             |      |            |      |
| December  | 3 hour     |            |      |             |      |            |      |             |      |            |      |

Emergency test record sheet