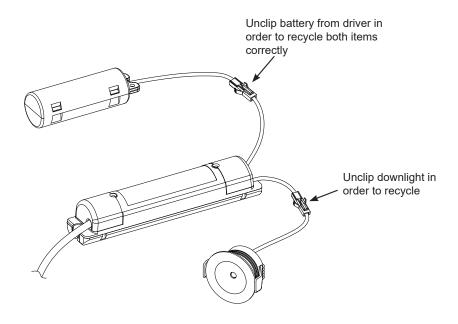
DISASSEMBLY INSTRUCTIONS

Product end of life instruction.

This Lighting product is in the scope of EU 2019/2020 directive on Waste Electrical and Electronic Equipment (WEEE). This product must be disposed of, according to the legislation. This document is intended for use by end of life recyclers or treatment facilities. It provides the basic information to assure an appropriate end of life treatment for the components and materials of the product.

Please follow pictured diagram on the back of this manual showing how to dismantle the product into different components which should be disposed correctly. These components would consist of plastic, metal and electronic materials.

It is the responsibility of the end user to dispose of this product correctly. www.weeeireland.ie or contact your local council for further information.





Unit 7/8 Ashbourne Business Centre, Ballybin Road, Ashbourne, Co. Meath, Ireland, A84 YP58, Phone: 00353 1 835 7447

Unit 32 Junction One Business Park, Valley Road, Birkenhead, Merseyside, UK, CH41 7ED, UK Ph: 0330 551 7000

Website: www.sqd.ie



Installation & SOUT Self Test Instructions LED EMERGENCY SURFACE DOWNLIGHT

PRODUCT CODE: SEM-REDL

Self-Test

Self-Test fittings perform a self-commissioning test at first power on. After charging for 24 hours a full duration test (3 hours) is performed. Initial function and duration tests are randomly generated.

They are then performed in accordance with standard requirements (every 30 days for function tests and every 52 weeks for duration tests).

A single bi-colour indicator LED is fitted in all Self-Test products. This LED is clearly visible for manual inspection. It indicates the module status.

The LED shows permanent green or flashing green when conditions are normal and flashing red if a fault condition is present.

Function test

A function test is a 2 minutes test that simulates a mains failure and checks the operation of the emergency light source from the battery supply.

The local indicator LED slow flashes green whilst the 2 minutes function test is in progress.

If there is a failure during a function test the local indicator LED changes to a flashing red.

Duration test

A duration test simulates a mains failure. It also checks the operation of the emergency light source from the battery supply for the rated duration of the module.

The local indicator LED fast flashes green whilst the duration test is in progress.

If there is a failure during a duration test the local indicator LED either changes to flashing red.

The battery is required to be fully charged before a duration test can be started.

Please refer to this chart for more complete description / fault indication				
Test Button		Status		
Green LED	Constant	Mains On / No Fault		
Green LED	Slow Flash	Function for 2 minutes		
Green LED	Fast Flash	3 hour duration Test		
Red LED	1 Flash	Battery Fault		
Red LED	2 Flash	Lamp Fault		
Red LED	3 Flash	Duration Test Fault		



For more information contact:

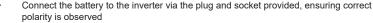


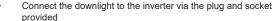
Safety Instructions

- This product must be installed in accordance with the latest WEE Wiring Regulations (BS7671) and current building regulations. If in any doubt, consult a qualified electrician.
- Please isolate mains prior to installation or maintenance.
- Check the total load on the circuit (including when this luminaire is fitted) does not exceed the rating of the circuit cable, fuse or circuit breaker.
- 4. Please not the IP (Ingress Protection) rating of this luminaire when deciding the location for installation
- . Allow 50mm above and around the fitting for air dissipation (do not cover the fitting with insulation)
- 6. This product is a Class II double insulated
- 7. This product is IP20 rated
- These instructions should be read carefully and retained after insulation by the end user for future reference and maintenance.

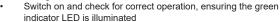
Installation

- Provide power to the required point of installation
- Cut a suitable hole in the mounting surface as per the cut out details (fig 1) ensuring not to infringe with joists, gas/water pipes or electrical cables
- Connect the luminaire to the mains supply via a suitable junction box ensuring that correct polarity is observed: Live (brown) and Neutral (blue) (See Fig. 2)





- Change the bezel, if required, by unscrewing from the downlight and replacing with the required bezel.
- Place the inverter and battery into the ceiling via the cut-out
- Lift both spring clips on the sides of the fitting and push into the ceiling



 We recommend, on commissioning the installation, a minimum charge period of 24 hours before carrying out an emergency duration test.

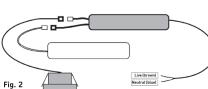
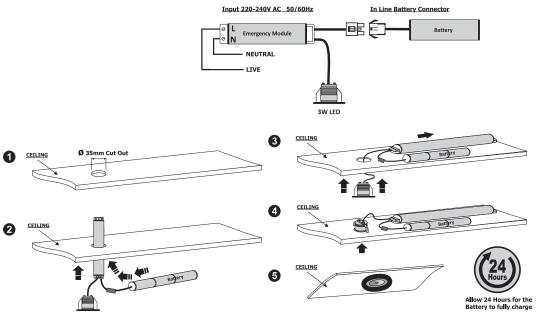


Fig. 1

Warning

This luminaire must be disconnected from the circuit if subjected to any high voltage or insulation resistance testing. Irreparable damage will occur if this instruction is not followed. This product has a warranty of 5 years (excluding battery) from date of purchase. Failure to install this product in accordance with the current edition of the IEE Wiring Regulations, improper use, or removal of the batch codes will invalidate the warranty. If this product should fail within its warranty period it should be returned to the place of purchase for a free of charge replacement. SGD does not accept responsibility for any installation costs associated with the replacement product. Your statutory rights are not affected. SGD reserve the right to alter product specification without prior notice.

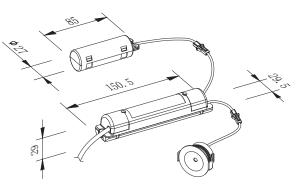


Daily check - check that the status GREEN LED indicator is illuminated.

Monthly functional test - simulate a mains supply failure for approx. 30 secs by operation of key switch or switching off a circuit breaker. Ensure normal supply is restored after test and the indicator status LED is illuminated.

Twice yearly conduct a one hour duration test - simulate a mains supply failure for one hour continuous test by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and the indicator status LED is illuminated.

Annual full three hour duration test - conduct a three hour continuous duration test. Simulate a mains supply failure for three hour continuous test by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and the indicator status LED is illuminated.



If the luminaire fails any of the above tests, please contact a qualified electrician. See overleaf for test record sheet. All Emergency lighting tests must be logged. The Emergency lighting logbook must be provided in order to be covered by any warranties.

EMERGENCY TESTING

After connecting the mains supply check the following:

- 1. The unit should be left on charge for a minimum of 24 hours before testing the emergency mode
- There is one green indicator in the middle. After power is on, the LED indicator will be on. The LED indicator is off when the fixture is in emergency mode
- 3. To simulate normal mains supply failure, operate your key switch
- 4. The lamp will now light under emergency conditions
- When the unit no longer meets its rated duration of operation, the battery pack must be replaced with a battery of the same type, voltage and AMP-hour rating
- 6. All Emergency lighting tests must be logged. The Emergency lighting logbook must be provided in order to be covered by any warranties.

Testing and commisioning for Emergency Luminaire

- Ensure the load is connected
- Connect the battery
- Switch on the Unswitched Supply Check the charge LED illuminates
- Switch on the Maintained Supply Check the LED illuminates as normal
- Switch off the Maintained Supply
- · Switch off the Unswitched Supply Check the charge LED extinguishes and the load LED illuminated at a reduced output
- Enter the commissioning date on the battery pack. Switch on the Unswitched supply.

Emergency Installation and Inspection

	Installation / Test	Serial/ Luminaire Number:		
		Installed By:	Date:	
Record	Record	Commissioned By:	Date:	

	Year 1		Year 2* *Recommended Battery Change NiCd		Year 3* *Recommended Battery Change LiFe P04	Year 4		
Monthly test	Signed	Date	Signed	Date	Signed	Date	Signed	Date
1								
2								
3								
4				-				
5								
6								
7								
8								
9								
10								
11								
12								







EU DECLARATION OF CONFORMITY

Manufacturers Name: Solas Geal Distribution Unit 7/8 Ashbourne Business Centre, Ballybin Road, Ashbourne, Co. Meath, A84 YP58.

Declaration Number:

103-SEM-REDL

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Products:

Emergency Led Downlighter IP20 3Watt 6500K C/W 3 Bezels LlfePo4

Model Number:

SEM REDL

The product/model of the declaration described above is in conformity with the relevant Community harmonisation legislation:

Low Voltage Directive (2014/35/EU) EMC (2014/30/EU)

The product/model of the declaration described above is in conformity with the standards and technical specifications listed below:

EN60598-2-22:2014, EN60598-1:2015, EN62493:2015, EN62471:2008, EN55015:2013+A1, EN61547:2009, EN6100-3-2:2014, EN61000-3-3: 2013.BS EN 62034:2012



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Date:

Place of Issue: Republic of Ireland

