



Important-Safety
Before carrying out any servicing on this luminaire, ensure that the mains supply is fully isolated. Disconnect luminaire before insulation testing of the installation.

Description

Recessed ceiling mounted emergency LED downlighter. 3 Hour non-maintained.

Standards

- EN60598-1
- EN60598-2-22
- EN55015
- EN61547
- EN61000-3-2
- CE marked

Specification

Total Weight:	500 g.
Mounting Position:	Recessed ceiling.
Lamp:	LED.
Supply Voltage:	230Vac \pm 10% 50/60Hz
Supply Current:	<100mA supply current, during normal luminaire operation, after inrush current on start up.
DALI Versions:	Dedicated DALI interface for customer controlled monitoring & reporting. Also, stand-alone automatic testing in accordance with IEC62034 if not connected to a DALI system.
AutoTest Versions:	Stand-alone automatic testing in accordance with IEC62034.
Operating Temp:	Min 0°C / Max 25°C.
IP Rating:	IP30.
Ceiling Cut-Out:	43mm diameter as standard. Maximum 55mm diameter is possible when using SL80RDLB extender bezel. Extender bezel is not included. Please order separately.
Void requirements:	Minimum 210mm void depth (based on 12mm thick plasterboard and standard 43mm diameter cut-out). When using the SL80RDLB extender bezel a minimum 135mm void depth is possible (based on 12mm thick plasterboard and 55mm diameter cut-out). Extender bezel is not included. Please order separately. Voids must be free from obstructions for 530mm in the direction of installation to allow the gear housing to slide in. Please allow for at least 50mm air gap either side of the gear housing.

Fuses

The supply is isolated with an internal, non-replaceable 630mA fuse to protect the system integrity against total failure of any unit. The module also includes a non-replaceable 2A battery fuse.

Electrical Installation

Connect the battery before switching on the permanent mains supply.

Operation (Non-AutoTest Variants Only)

Connection of the mains supply will start the battery charging. The battery and mains supply should be left uninterrupted for 24 hours to ensure that the battery is fully charged and capable of providing 3 hours emergency duration. The LED indicator will be permanently illuminated, showing that the battery is being charged. If the LED indicator is not illuminated, check the battery connections.

Operation (AutoTest variants Only)

The luminaire automatically self-tests in accordance with BS 5266-1:2005 and IEC 62034.

Automatic Operation – Commissioning Test:

Connection of the mains supply will initiate the commissioning sequence where the battery needs to remain on charge for an un-interrupted 24 hours. An interruption of the mains supply will reset the counter to zero. After 24 hours the luminaire will put itself into a duration test for 3 hours, immediately followed by another 24 hour charge period.

Automatic Operation – Function Test:

A 30 second function test is carried out at 30-day intervals. This test can also be initiated manually by switching the permanent mains supply or test switch OFF/ON twice within 5 seconds.

Automatic Operation – Duration Test

A full rated duration test is carried out automatically at yearly intervals.

Please note that start times of the tests are set automatically to ensure random testing of the units. As a consequence, tests may occur at any time and caution should be exercised in situations where this may be inconvenient, such as hotels and hospitals.

Operation (DALI variants Only)

This allows two wire communication between the luminaire (via two DALI terminals) and a central monitoring / control system designed to meet the requirements of DALI standard IEC62386.

This allows the user to monitor the status of control function and control when function tests and duration tests are conducted.

If not connected to a DALI control system these luminaires will operate as stand-alone AutoTest luminaires.

LED indicator (AutoTest and DALI variants only)

Green	10 second 'pulse off'	Normal standby mode
	Slow flash (0.5Hz)	Commission mode or Duration Test in progress
	Fast Flash (2.5Hz)	Function Test in progress
Red	Slow flash (0.5Hz)	Charging or battery fault
	Fast Flash (2.5Hz)	Lamp fault

Audible Alarm

An audible alarm will sound if a fault is found during test and will continue to give 3 beeps every 35minutes until the fault is rectified and the unit is reset.

User Reset Facility

A recorded fault condition may be cleared by switching the permanent mains supply or test switch OFF/ON twice within 5 seconds. A function test is then carried out automatically to verify correct system operation.

Maintenance

The emergency system should be checked regularly in accordance to local regulations.



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