

Addressing and Identification

All emergency luminaires and exit signs shall be addressed with other luminaires on DALI Lines. The luminaires shall be identified by their unique DALI Line and fitting address which shall be displayed on an approved label adhered to the luminaire. The address shall correspond with the log book identification and as-installed drawings.

All emergency luminaires and exit signs shall provide visual feedback to the DALI emergency identify command in order to easily locate a luminaire.

Automatic Testing

All emergency and exit lighting shall be able to perform a battery discharge test according to the required emergency standard (e.g. IEC 62034, AS/NZS 2293).

In order to maintain the integrity of the emergency lighting system, duration testing shall be conducted in sections so that adjacent emergency luminaires are not tested together.

Tests may be initiated manually from the computer, scheduled by BM-DALI Line Controllers, triggered by a switch at the switchboard or started automatically by the luminaire using the built-in DALI auto test function.

Emergency Status

The BM-DALI Line Controller and the Emergency Monitor software shall indicate the status of the emergency luminaires as designated by the DALI emergency standard. The control system shall display when the fitting is in emergency stand-by mode, when a test is pending or running, and the date and result of the last test.

In the event of a failed test the BM-DALI Line Controller and the DCBMReporter software shall indicate the reason for the failure as reported by the emergency failure information as stipulated by the DALI emergency standard.

The result of a test and its validity shall remain unchanged until a new test is performed.

If a test can't be started or is interrupted due to an emergency situation (mains failure), the test shall be automatically delayed until the battery is recharged.

Reporting

Results of discharge tests at practical completion shall be recorded and stored in the logbook. The logbook shall be retained on site.

The system shall be capable of displaying the lamp hours of a luminaire in normal operation and in emergency operation.