

INDUSTRIAL EMERGENCY LIGHTING

Technical Data Sheet | Inspection, Testing & Maintenance

SYSTEM & DESIGN PARAMETERS

Typical premises	Factories, production facilities, warehouses, workshops and industrial process areas.
Emergency lighting types	Escape-route, open-area (anti-panic) and high-risk task-area lighting as identified by design and risk assessment.
Operating arrangements	Self-contained luminaires, central battery systems and maintained or non-maintained operation as specified.
Rated duration	As designed and specified; three hours is common but not universal. Test for the applicable rated duration.
Relevant standards	BS 5266-1, BS EN 1838, BS EN 50172, BS EN 60598-2-22 and BS 7671 where applicable; use current applicable editions.

INSPECTION & TESTING

Routine functional test	Generally monthly: simulate normal supply failure and confirm correct operation of relevant emergency fittings.
Full-duration test	Generally annually: verify operation throughout each system's required rated duration.
Recharge and recovery	Allow for battery recharge after duration testing; plan suitable temporary precautions where protection is reduced.
Inspection points	Operation, physical damage, obscured signs, battery/charger faults, status indicators, accessibility and changes to escape routes.
Automatic test systems	Review fault indications and records; arrange investigation and corrective action where required.

INDUSTRIAL SITE CONSIDERATIONS

Production continuity	Agree testing zones, safe isolations, operational windows and any necessary temporary controls with site management.
High-level installations	Plan safe access to luminaires above machinery, production lines and warehouse racking.
High-risk task areas	Verify provision reflects risk assessment and safe shutdown requirements for hazardous machinery or processes.
Layout changes	Review coverage following alterations to racking, partitions, mezzanines, plant and escape routes.

REPORTING & REMEDIALS

Test documentation	Record fitting/area identification, date, test type, duration, result, defects and any testing limitations.
Defect management	Prioritise defects according to risk, arrange repairs or replacements, and verify corrected operation.
Maintenance records	Maintain an emergency lighting logbook or equivalent traceable records and updated site information.

QUEST ELECTRICAL | Planned industrial emergency lighting testing, fault reporting and remedial works coordinated around operational site requirements.

Note: Typical technical information only. This is not a design certificate or confirmation of compliance for a particular site. Test procedures, durations and required illumination must be established from the installed system, current applicable standards and fire risk assessment.