



GLOSSARY OF DEFINITIONS

BMS:

Building Management System Centrally supplied luminaire: A luminaire (for maintained or non-maintained operation) energized from a central emergency power supply.

ECG:

High frequency electronic control gear to drive the fluorescent lamp from the mains supply.

Emergency control unit:

An electronic module usually fitted inside the luminaire that enables the lamp to operate from mains during normal conditions and powers the lamp from a battery pack (usually at low brightness) in the event of a power failure.

Emergency lighting duration:

The emergency lighting provided during a power failure.

It is important to note that this minimum figure should be comfortably exceeded during initial testing to compensate for battery ageing.

Fluorescent lamp inverter

An electronic module that powers a fluorescent lamp at full brightness from a dc supply.

High-risk task area lighting

Provides illumination for the safety of people involved in a potentially dangerous process or situation that enables proper shut-down procedures.

Maintained lighting system

An emergency lighting system requires two mains feeds: a permanent live connection and a switched live connection. The luminaire may be switched on and off with a healthy mains supply and the emergency control unit energizes the lamp during a mains failure. The advantage of this system is that the luminaire can be used to provide normal lighting but the disadvantage is that the luminaire requires additional wiring.

Non-maintained lighting system

An emergency lighting system requires a single permanent mains supply. The luminaire cannot be used to provide normal lighting. In the event of a power failure the emergency control unit energizes the lamp. The advantage of this system is that the lamp is not aged during normal mains conditions but the disadvantage is that the luminaire cannot provide normal lighting.

Self testing control unit

An emergency control unit that automatically conducts regular tests to establish the condition of the lamp and battery pack.

Stand-by lighting

Non-mandatory emergency lighting that is provided to enable normal activities to continue substantially unchanged.

Sustained lighting system

An emergency lighting system requires a single permanent mains connection. The fluorescent lamp is permanently energized from the mains supply and is powered by the emergency control unit during a power failure. The advantages of this system are that one live feed is required and the luminaire can provide normal lighting. The disadvantages is that the luminaire must remain on permanently.

Switch start ballast

A conventional inductive ballast and glow starter system. This system is being phased out due to its poor efficiency.