1.2. Emergency Lighting

1.2.1. Emergency Lighting

The lighting that is for use to illuminate means of egress when there is a mains power or circuit failure.

1.2.2. Battery

Storage cells, storing energy and providing the power during mains failure. A lead-acid battery consisting of sealed cells furnished with a valve that opens to vent the battery whenever the internal pressure of the battery exceeds the ambient pressure by a set amount is called valve regulated Lead Acid. (VRLA)

1.2.3. Battery – Sealed

A battery where the electrolyte cannot be replaced. Where electrolyte is required to be replaced is called “vented”.

1.2.4. Battery Capacity

The capability of the battery under discharge situation measured in Ampere-hours (Ah, over one hour).

1.2.5. Central Battery System

A central unit at central location that houses the batteries and control gear for a number of emergency lighting luminaires.

1.2.6. Self Contained Emergency Light

An emergency luminaire that houses all the electrical components. Typically a light source, control gear and battery.

1.2.7. Monitored-type Emergency Light

A set of self contained emergency lighting luminaire that is wired to control units to monitor and diagnose the health of the circuit and batteries.

1.2.8. Maintained Emergency Light

A luminaire that contains one or more light sources that are permanently illuminated during normal and emergency situations.

1.2.9. Non-Maintained Emergency Light

A Luminaire that contains one or more light sources and only illuminates during a mains or circuit failure situation.

1.2.10. Uninterruptible Power Supply (UPS)

A device that provides emergency power to a load when the main source fails. Typically a luminaire is connected to the mains through a UPS, the UPS provides mains output to the luminaire when it detects a failure to the incoming mains.

1.2.11. Luminous Intensity (Cd)

The power of the light source to emit light in a given direction measured in candela.

1.2.12. Rated duration

The specified duration of light output from the luminaire operating from it’s battery supply. Typically 1 to 3 hours on a fully charged battery.