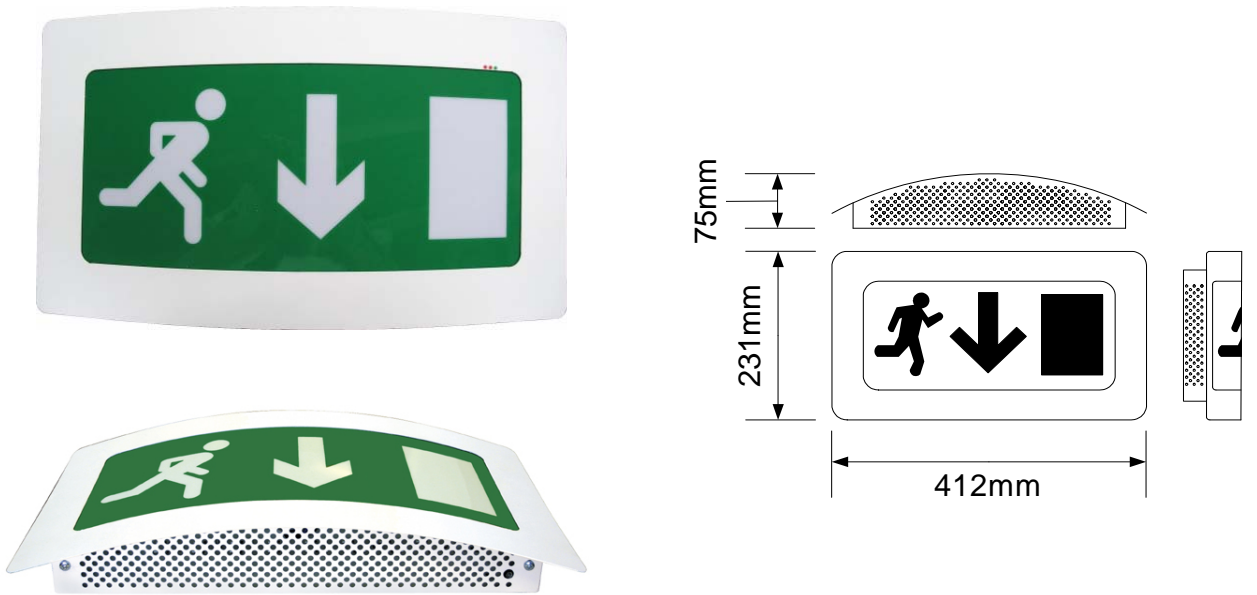


# ESL Range

This new LED, exit sign is suitable for all interior applications. The convex front and drilled side and bottom faces makes for an eye-catching alternative. Comprising of a white stove enameled, zintec coated sheet steel base fitted with a self extinguishing legend panel. The ESL Light uses high illumination white leds giving a low energy requirement from the mains power supply and the life span of the LED's and batteries, together with its self diagnostic processor you can almost forge it's there. Has a cable knockout, which is provided in the back. Available in maintained and non maintained self-test, they continuously test the battery voltage and the operation of the LED's every 15 days and every 6 months the autonomous duration of the battery. With flexibility in mind a full range of alternative finishes are available including, gold and chrome to order, RAL 9010 as standard.



## Typical Applications

- ▶ Hotels / Public Houses
- ▶ Shops
- ▶ Offices
- ▶ Shopping centres
- ▶ Commercial Buildings
- ▶ Student Accommodation

## Features

- ▶ IP20 interior use
- ▶ Self Test 3hr Duration
- ▶ Downlight Facility
- ▶ Escape route sign
- ▶ White high output LED's
- ▶ Gold / Chrome version

Order No	Mode	Lamp Type	Battery	Duration	Weight	Output Mains	Output Emergency	Sign Dimensions
ESL3M	Maintained with Self Test	32 Led's	3.6V 4Ah	3 Hours	1.5KG	80 Lumens	100 Lumens	380mm x 190mm x 60mm
ESL3NM	Non Maintained with Self Test	32 LED's	3.6V 4Ah	3 Hours	1.5 KG		100 Lumens	

# Intelligent Self Test

## Technical characteristics

- ▶ Self testing luminaires
- ▶ Automatic tests for:  
(Charging - Lamps - Duration)
- ▶ 3 indication LEDs  
(Charge - Lamp - Duration)
- ▶ Batteries Ni-Cd 3,6V
- ▶ Deep discharge and over charge battery protection
- ▶ Test button
- ▶ Construction material : Aluminum, Polycarbonate
- ▶ Operation temperature range : 0 to 50 °C
- ▶ Humidity : up to 95% relative humidity
- ▶ Produced in accordance with : EN60598-1, EN60598-2-22

The intelligent luminaires are suitable for modern buildings where a number of reliable luminaires with a minimum maintenance cost are required. A very sophisticated high technology microprocessor monitors and measures all basic operation circuitry essential for the good operation of the luminaires.

These luminaires also conduct a battery quality test when they are installed for the first time. Automatically and without any interventions, three tests are carried out. A continuous battery test, a lamp test twice a month and a half-yearly full duration test.

They have 3 indication LEDs used to show the luminaires operational status. The incorporated TEST button is used to manually active all automatic test modes if and when required.

## Operation

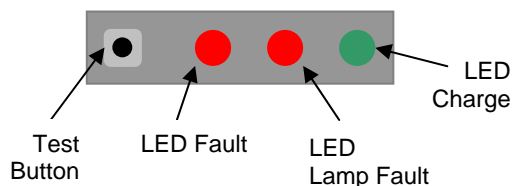
**Automatic tests** are conducted only after a full 24 hour charge cycle. Automatic test execution is postponed if, for any reason the 24 hours charge cycle is interrupted. All LEDs blink in a slow rate, 24 hours prior to the execution of an automatic test and stop after the test has been conducted in order to show the results of the test.

### 1. Operation Test

This test is conducted every 15 days and consists of a full lamp ignition test along with all the accompanying circuitry.

### 2. Duration Test

This test is conducted every 180 days. It consists of a battery duration test and an operation test. All self testing luminaires contain 3 LEDs and a test button located on the bottom side of the frame.



### Green LED Charge

**Continuously ON** means that the luminaire is charging and that the battery is charging correctly.

**Continuously OFF** means that the luminaire is in a charging state but the battery is not connected.

**Blinks once per second** means that the luminaire is in a charging state but the battery is not charging correctly.

### Red LED Lamp Fault

**Continuously ON** means that the LED circuit or one of the LEDs are not operational.

**Continuously OFF** means that the LED circuit and the LEDs are fully operational.

### Red LED Fault

**Continuously ON** means that the microprocessor circuit has a malfunction.

**Blinks once per second** means that the luminaire has a degraded autonomous duration (requires battery replacement)

**Continuously OFF** means that the duration is normal and the microprocessor circuits are fully functional.