Adaptive Escape Sign - Recessed

When a fire alarm sounds, it is crucial that occupants leave the building quickly by the nearest exit, but around 70% of occupants miss conventional passive/static emergency escape signs.

Occupants unaware of standard escape signage tend to leave via their known, proven route – often the main entrance – which causes slower evacuation times and potentially dangerous bottlenecking; this can be especially dangerous if the main entrance is blocked in an incident. In addition, static / passive escape signage may be routing occupants towards hazardous areas that are potentially filled with smoke and fire.

LuxIntelligent's Adaptive Escape Sign can illuminate a pulsing array of green LEDs providing a clear and universally-understood directional arrow for occupants to follow to the nearest escape route. It is also able to display an active red cross to highlight unviable escape routes.

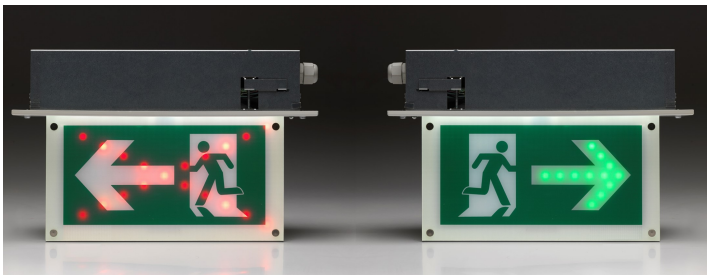
When passive, the Adaptive Escape Sign meets the requirements of EN 60598-2-22 and is suitable to be used as a fully compliant passive/static escape sign in either a new build or is fully suitable to be retrofitted in place of existing escape signage.

LuxIntelligent's Adaptive Escape Sign is fully fault-monitored and automatically tested by our LuxIntelligent panel in accordance with BS 5266-1.

Integrating a 3 rd party addressable fire input/output unit means that the Adaptive Escape Sign can be fully controlled via an addressable fire system's built-in 'cause and effect' software. This allows the fire system to have complete control of ongoing escape route viability in accordance with BS 7273-6:2019 (the code of practice for the operation of fire protection measures).

The 'cause and effect' programming is usually the responsibility of the fire engineer and forms just one part of the overall fire evacuation plan. If the pre-planned escape scenarios becomes exhausted, the Adaptive Escape Sign can simply revert back to a pulsing green arrow or to a static / passive (and therefore compliant) escape sign - enabling the system to fail safe.

The LuxIntelligent System provides a fully automatic emergency lighting test system that replaces the need for manual checks and testing on all emergency lighting on site and when integrated with any Fire Alarm System, our system can provide peace of mind by providing proof of compliance to BS 5266-1 but also allow the Fire System to actively route occupants away from hazardous areas in the event of an incident providing improved life safety and safer evacuations.



Active red cross & pulsing green arrow modes

Compliant static / passive mode

Features

- Fully compatible with LuxIntelligent System
- Centrally reports and tests to BS 5266-1 requirements
- When passive, fully complies to visibility standards and EN 60598-2-22
- Triggerable adaptive pulsing green arrow and red cross
- Compatible with most fire alarm systems
- Occupants twice as fast at recognising dynamic escape signage
- Occupants 3 times faster at making correct escape route decision
- Actively routes occupants away from hazardous areas
- 24 metre viewing distance
- Available as single and double sided
- Surface mount and IP65 variants available
- For a more simplistic green arrow only version, see our dynamic signage range

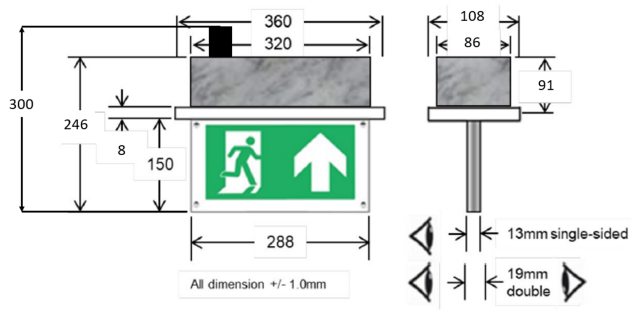
Specification

Supply voltage	230V AC @ 50Hz
Supply power 'static/passive' mode	6.0W
Supply power 'dynamic' mode	13.5W
Light source	LED strip & dynamic led arrays (36,000+ hours)
Materials - body	Zintec galvanised steel
Materials - trim	Zintec powder coated steel
Materials - legend	Cast acrylic with pre-applied legend/built in dynamics
Battery	4 cell 4.8V 1500-2100mAh NiMH
Recharge period	Less than 24 hours
IP rating	IP20
Weight	Approx. 3kg

Order Codes

ADAPT/M3/P/R/SS/AD/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Down
ADAPT/M3/P/R/SS/AU/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Up
ADAPT/M3/P/R/SS/AR/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Right
ADAPT/M3/P/R/SS/AL/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Single Sided, ISO Arrow Left
ADAPT/M3/P/R/DS/AD/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Double Sided, ISO Arrow Down
ADAPT/M3/P/R/DS/AU/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Double Sided, ISO Arrow Up
ADAPT/M3/P/R/DS/AR-L/ISO	Adaptive Escape Sign - Red Cross and Green Arrow, Recessed, Maintained, Addressable, Double Sided, ISO Arrow Right or Left

Recessed dimensions (mm)



Dynamic & adaptive range

See our dynamic range of escape signs for more a more simplistic pulsing green arrow only system. Both dynamic and adaptive escape signs are available in recessed, surface/wall mount & a wall mount IP65 variant.

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As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.