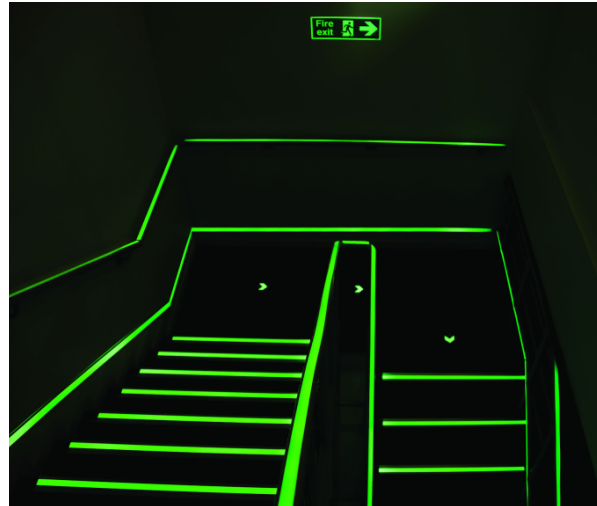


## Safety Way Guidance System (SWGS)

A Safety Way Guidance System (SWGS) is a network of clear photoluminescent information, such as markings and directions, to ensure people can safely exit from anywhere inside a building, even with poor visibility or lighting.

An effective SWGS conveys the required information in order for people to evacuate a building in an efficient and coherent manner to reach safety, in the event of a fire evacuation.



### Understanding BS ISO 16069:2017

All Safety Way Guidance Systems must conform to the standards set out in BS ISO 16069. This stipulates requirements that need to be met with regard to the design, installation and performance for both photoluminescent and electrical SWGS. Should a fire emergency occur, SWGS which are compliant with ISO 16069, offer clear and safe exit routes. The benefit of these systems is that they are coherent and understood by all, regardless of culture or language. Therefore any occupants within your premises can be guided safely out of the building to a designated assembly/refuge point, in the event of an emergency. This is ensured as symbols must be compliant with BS EN 7010 and sign design must meet requirements of BS ISO 3864 parts 1-4, to conform to BS ISO 16069.

Things you need to consider when planning your SWGS:

- Expected number of people utilising route
- Features of occupants, including impaired vision, mobility or hearing
- Type of activity that is carried out in the environment
- Anticipated time delay before evacuation procedure
- Purpose of building including size, type and location
- Ensuring photoluminescent systems can be completely charged by maintaining sufficient exposure to light
- Emergency lighting currently in use
- Type and location of any potential escape routes
- Final assembly/refuge point locations
- Intricacy level of escape routes – probable areas of confusion
- Potential hazards which the user may come across
- Certain risk situations in which the escape routes will be used
- Current escape route features

## Photoluminescent Kit Contents

### Corridor/Room Essential Kit



10m:



15m:

10m of the Plain Low Location Lighting Insert Class C (8 lengths x W39mm x L1370mm)	<input type="checkbox"/>	15m of the Plain Low Location Lighting Insert Class C (11 lengths x W39mm x L1370mm)	<input type="checkbox"/>
x3 Circle Floor Markers with Arrow Class D (90mm diameter)	<input type="checkbox"/>	x5 Circle Floor Markers with Arrow Class D (90mm diameter)	<input type="checkbox"/>
Xtra-Glo Fire Exit Man Right/Arrow Down Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Man Right/Arrow Down Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man & Arrow Left Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man & Arrow Left Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man/Arrow Right Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man/Arrow Right Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man/Arrow Up Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man/Arrow Up Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Keep Clear/Running Man Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Keep Clear/Running Man Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
x1 Handrail Marking Tape Class C (W25mm x L50m)	<input type="checkbox"/>	x1 Handrail Marking Tape Class C (W25mm x L50m)	<input type="checkbox"/>
x1 SignFix Permanent Adhesive	<input type="checkbox"/>	x1 SignFix Permanent Adhesive	<input type="checkbox"/>
Instruction manual	<input type="checkbox"/>	Instruction manual	<input type="checkbox"/>

## Corridor/Room Standard Kit



10m:



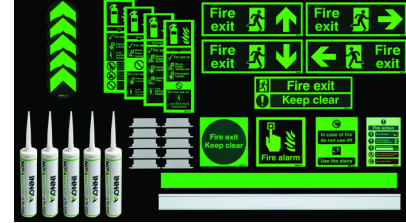
15m:

10m of the Plain Low Location Lighting Insert Class C (8 lengths x W39mm x L1370mm)	<input type="checkbox"/>	15m of the Plain Low Location Lighting Insert Class C (11 lengths x W39mm x L1370mm)	<input type="checkbox"/>
Rigid Green PVC Extrusion, to house the above inserts (8 lengths x W60mm x L1250mm)	<input type="checkbox"/>	Rigid Green PVC Extrusion, to house the above inserts (12 lengths x W60mm x L1250mm)	<input type="checkbox"/>
x3 Circle Floor Markers with Arrow Class D (90mm diameter)	<input type="checkbox"/>	x5 Circle Floor Marker with Arrow Class D (90mm diameter)	<input type="checkbox"/>
Xtra-Glo Fire Exit Man Right/Arrow Down Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Man Right/Arrow Down Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man & Arrow Left Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man & Arrow Left Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man/Arrow Right Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man/Arrow Right Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man/Arrow Up Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man/Arrow Up Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Keep Clear/Running Man Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Keep Clear/Running Man Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Photoluminescent Fire Action (Symbolised) Signs Class C (W210mm x L148mm)	<input type="checkbox"/>	Xtra-Glo Photoluminescent Fire Action (Symbolised) Signs Class C (W210mm x L148mm)	<input type="checkbox"/>
Xtra-Glo CO2 Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo CO2 Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Dry Powder Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo Dry Powder Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Foam Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo Foam Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Water Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo Water Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Photoluminescent Fire Alarm Signs Class C (W150mm x L150mm)	<input type="checkbox"/>	Xtra-Glo Photoluminescent Fire Alarm Signs Class C (W150mm x L150mm)	<input type="checkbox"/>
Xtra-Glo In Case of Fire/Use Stairs Signs Class C (W150mm x L125mm)	<input type="checkbox"/>	Xtra-Glo In Case of Fire/Use Stairs Signs Class C (W150mm x L125mm)	<input type="checkbox"/>
Xtra-Glo Photoluminescent Fire Door Keep Clear Signs Class C (W150mm x L150mm)	<input type="checkbox"/>	Xtra-Glo Photoluminescent Fire Door Keep Clear Signs Class C (W150mm x L150mm)	<input type="checkbox"/>
x1 Handrail Marking Tape Class C (W25mm x L50m)	<input type="checkbox"/>	x1 Handrail Marking Tape Class C (W25mm x L50m)	<input type="checkbox"/>
x4 SignFix Permanent Adhesive	<input type="checkbox"/>	x5 SignFix Permanent Adhesive	<input type="checkbox"/>
Instruction manual	<input type="checkbox"/>	Instruction manual	<input type="checkbox"/>

## Corridor/Room Premium Kit:



10m:



15m:

10m of the Plain Low Location Lighting Insert Class C (8 lengths x W39mm x L1370mm)	<input type="checkbox"/>	15m of the Plain Low Location Lighting Insert Class C (11 lengths x W39mm x L1370mm)	<input type="checkbox"/>
Aluminium Extrusion, to house the above inserts (8 lengths W50mm x L1500mm)	<input type="checkbox"/>	Aluminium Extrusion, to house the above inserts (10 lengths W50mm x L1500mm)	<input type="checkbox"/>
x3 Circle Floor Markers with Arrow Class D (90mm diameter)	<input type="checkbox"/>	x5 Circle Floor Markers with Arrow Class D (90mm diameter)	<input type="checkbox"/>
Xtra-Glo Fire Exit Man Right/Arrow Down Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Man Right/Arrow Down Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man & Arrow Left Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man & Arrow Left Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man/Arrow Right Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man/Arrow Right Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man/Arrow Up Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man/Arrow Up Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Keep Clear/Running Man Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Keep Clear/Running Man Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Photoluminescent Fire Action (Symbolised) Signs Class C (W210mm x L148mm)	<input type="checkbox"/>	Xtra-Glo Photoluminescent Fire Action (Symbolised) Signs Class C (W210mm x L148mm)	<input type="checkbox"/>
Xtra-Glo CO2 Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo CO2 Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Dry Powder Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo Dry Powder Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Foam Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo Foam Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Water Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo Water Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Photoluminescent Fire Alarm Signs Class C (W150mm x L150mm)	<input type="checkbox"/>	Xtra-Glo Photoluminescent Fire Alarm Signs Class C (W150mm x L150mm)	<input type="checkbox"/>
Xtra-Glo In Case of Fire/Use Stairs Signs Class C (W150mm x L125mm)	<input type="checkbox"/>	Xtra-Glo In Case of Fire/Use Stairs Signs Class C (W150mm x L125mm)	<input type="checkbox"/>
Xtra-Glo Photoluminescent Fire Door Keep Clear Signs Class C (W150mm x L150mm)	<input type="checkbox"/>	Xtra-Glo Photoluminescent Fire Door Keep Clear Signs Class C (W150mm x L150mm)	<input type="checkbox"/>
x1 Handrail Marking Tape Class C (W25mm x L50m)	<input type="checkbox"/>	x1 Handrail Marking Tape Class C (W25mm x L50m)	<input type="checkbox"/>
x4 SignFix Permanent Adhesive	<input type="checkbox"/>	x5 SignFix Permanent Adhesive	<input type="checkbox"/>
x4 End Caps for Aluminium Extrusion (pairs)	<input type="checkbox"/>	x4 End Caps for Aluminium Extrusion (pairs)	<input type="checkbox"/>
Instruction manual	<input type="checkbox"/>	Instruction manual	<input type="checkbox"/>

## Stairway Essential Kit:



10m:



15m:

10m of the Plain Low Location Lighting Insert Class C (8 lengths x W39mm x L1370mm)	<input type="checkbox"/>	15m of the Plain Low Location Lighting Insert Class C (11 lengths x W39mm x L1370mm)	<input type="checkbox"/>
x2 Step Edge Marking Tape Class D ( W25mm x L10m)	<input type="checkbox"/>	x3 Step Edge Marking Tape Class D (W25mm x L10m)	<input type="checkbox"/>
Xtra-Glo Fire Exit Man Right/Arrow Down Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Man Right/Arrow Down Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man & Arrow Left Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man & Arrow Left Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man/Arrow Right Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man/Arrow Right Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man/Arrow Up Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man/Arrow Up Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Keep Clear/Running Man Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Keep Clear/Running Man Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
x1 Handrail Marking Tape Class C (W25mm x L50m)	<input type="checkbox"/>	x1 Handrail Marking Tape Class C (W25mm x L50m)	<input type="checkbox"/>
x8 SignFix Permanent Adhesive	<input type="checkbox"/>	x9 SignFix Permanent Adhesive	<input type="checkbox"/>
Instruction manual	<input type="checkbox"/>	Instruction manual	<input type="checkbox"/>

## Stairway Standard Kit:



10m:

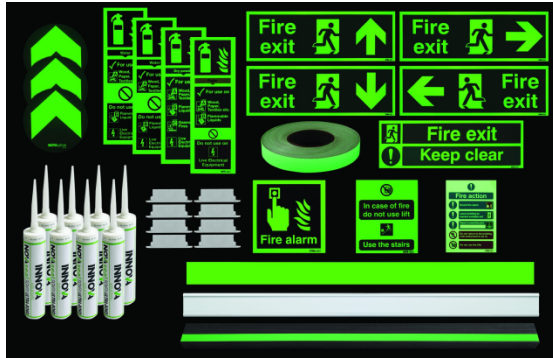


15m:

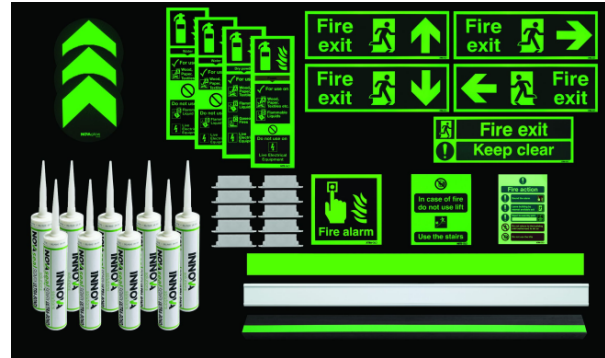
10m of the Plain Low Location Lighting Insert Class C (8 lengths x W39mm x L1370mm)	<input type="checkbox"/>	15m of the Plain Low Location Lighting Insert Class C (11 lengths x W39mm x L1370mm)	<input type="checkbox"/>
Rigid Green PVC Extrusion, to house the above inserts (8 lengths x W60mm x L1250mm)	<input type="checkbox"/>	Rigid Green PVC Extrusion, to house the above inserts (12 lengths x W60mm x L1250mm)	<input type="checkbox"/>
x2 Step Edge Marking Tape Class D (W25mm x L10m)	<input type="checkbox"/>	x3 Step Edge Marking Tape Class D (W25mm x L10m)	<input type="checkbox"/>
Xtra-Glo Fire Exit Man Right/Arrow Down Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Man Right/Arrow Down Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man & Arrow Left Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man & Arrow Left Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man/Arrow Right Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man/Arrow Right Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man/Arrow Up Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man/Arrow Up Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Keep Clear/Running Man Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Keep Clear/Running Man Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Photoluminescent Fire Action (Symbolised) Signs Class C (W210mm x L148mm)	<input type="checkbox"/>	Xtra-Glo Photoluminescent Fire Action (Symbolised) Signs Class C (W210mm x L148mm)	<input type="checkbox"/>
Xtra-Glo CO2 Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo CO2 Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Dry Powder Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo Dry Powder Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Foam Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo Foam Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Water Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo Water Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Photoluminescent Fire Alarm Signs Class C (W150mm x L150mm)	<input type="checkbox"/>	Xtra-Glo Photoluminescent Fire Alarm Signs Class C (W150mm x L150mm)	<input type="checkbox"/>
Xtra-Glo In Case of Fire/Use Stairs Signs Class C (W150mm x L125mm)	<input type="checkbox"/>	Xtra-Glo In Case of Fire/Use Stairs Signs Class C (W150mm x L125mm)	<input type="checkbox"/>
x1 Handrail Marking Tape Class C (W25mm x L50m)	<input type="checkbox"/>	x1 Handrail Marking Tape Class C (W25mm x L50m)	<input type="checkbox"/>
x8 SignFix Permanent Adhesive	<input type="checkbox"/>	x9 SignFix Permanent Adhesive	<input type="checkbox"/>
Instruction manual	<input type="checkbox"/>	Instruction manual	<input type="checkbox"/>



## Stairway Premium Kit:



10m:



15m:

10m of the Plain Low Location Lighting Insert Class C (8 lengths x W39mm x L1370mm)	<input type="checkbox"/>	15m of the Plain Low Location Lighting Insert Class C (11 lengths x W39mm x L1370mm)	<input type="checkbox"/>
Rigid Green PVC Extrusion, to house the above inserts (8 lengths x W60mm x L1250mm)	<input type="checkbox"/>	Rigid Green PVC Extrusion, to house the above inserts (12 lengths x W60mm x L1250mm)	<input type="checkbox"/>
x2 Step Edge Marking Tape Class D (W25mm x L10m)	<input type="checkbox"/>	x3 Step Edge Marking Tape Class D (W25mm x L10m)	<input type="checkbox"/>
Xtra-Glo Fire Exit Man Right/Arrow Down Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Man Right/Arrow Down Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man & Arrow Left Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man & Arrow Left Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man/Arrow Right Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man/Arrow Right Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Running Man/Arrow Up Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Running Man/Arrow Up Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Fire Exit Keep Clear/Running Man Signs Class C (W150mm x L450mm)	<input type="checkbox"/>	Xtra-Glo Fire Exit Keep Clear/Running Man Signs Class C (W150mm x L450mm)	<input type="checkbox"/>
Xtra-Glo Photoluminescent Fire Action (Symbolised) Signs Class C (W210mm x L148mm)	<input type="checkbox"/>	Xtra-Glo Photoluminescent Fire Action (Symbolised) Signs Class C (W210mm x L148mm)	<input type="checkbox"/>
Xtra-Glo CO2 Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo CO2 Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Dry Powder Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo Dry Powder Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Foam Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo Foam Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Water Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>	Xtra-Glo Water Fire Extinguisher For Use On Signs Class C (W300mm x L100mm)	<input type="checkbox"/>
Xtra-Glo Photoluminescent Fire Alarm Signs Class C (W150mm x L150mm)	<input type="checkbox"/>	Xtra-Glo Photoluminescent Fire Alarm Signs Class C (W150mm x L150mm)	<input type="checkbox"/>
Xtra-Glo In Case of Fire/Use Stairs Signs Class C (W150mm x L125mm)	<input type="checkbox"/>	Xtra-Glo In Case of Fire/Use Stairs Signs Class C (W150mm x L125mm)	<input type="checkbox"/>
x1 Handrail Marking Tape Class C (W25mm x L50m)	<input type="checkbox"/>	x1 Handrail Marking Tape Class C (W25mm x L50m)	<input type="checkbox"/>
x8 SignFix Permanent Adhesive	<input type="checkbox"/>	x9 SignFix Permanent Adhesive	<input type="checkbox"/>
Instruction manual	<input type="checkbox"/>	Instruction manual	<input type="checkbox"/>



## **Positioning Guidelines for your Safety Way Guidance System (SWGS)**

Follow our positioning guidelines below to stay compliant with ISO 16069. We recommend carefully planning your SWGS layout based on these guidelines and a full risk assessment.

### **Low Location Lighting**

- Maximum height of a low location lighting line is 0.3m from floor or stair edge level; any interruption can be continued onto the floor
- No break in a low location lighting line can be more than 0.2m unless a door breaks the line, then a 1m break is acceptable or, as above, a continuation of the line can be applied on the floor, in front of the door
- We recommend measuring 0.3m up from the floor or stair edge, mark a faint or removable line (or, in the case of a stairwell, a parallel line 0.3m up from each stair edge) and use this line as the upper datum to apply the low location lighting strip
- Along corridors which are less than 2m wide, one line which is either wall or floor mounted is allowed

### **Floor Markers Location Lighting**

- Apply 3 markers per 10m run of corridor, starting 3m in from the dead-end or start of your escape route and spacing at 3m intervals

### **Fire Safety Signage**

- We recommend fixing fire exit and fire action signs at intermediate or eye-level location between 1.2m and 1.8m height above the floor
- Fire exit signs should be placed intermediately at a maximum distance between of 10m
- Fire fighting equipment signage should be positioned at intermediate height and fixed at the location of each piece of equipment to identify the type of equipment and its purpose
- High location safety signs (should be no less than 1.8m above floor level) showing route direction changes, intermediate and final fire exit doors should be located at 10m and 30m intervals for visibility up to 30m away
- Directional signs should be placed at maximum intervals of 5m and also at every junction or changes in level and direction
- If the low level guidance line is positioned less than 0.5m from the wall, directional signs can be wall-mounted at a maximum height of 0.3m

### **Step Edge Marking Tape**

- Can be positioned at either low location (maximum height of 0.4m above floor level), or intermediate location (positioned at eye-level)

- Must indicate the outline edge of each step, highlight a ramp gradient and also emphasise the gradient of the stairs via a wall line

### **Handrail Marking Tape**

- If fire fighting equipment is along an exit route it must be framed in accordance with regulation ISO 3864-1
- Exit doors must be framed if the observable distance is further than 20m
- Must have a vertical strip from the floor to the exit door opening device and highlight the direction of use
- All final exit doors must be outlined

## **Photoluminescent Safety Way Guidance System (SWGS) Kits Application**

### **Instructions**

Review 'Positioning Guidelines for your Safety Way Guidance System (SWGS)' before progressing with the below step-by-step instructions.

#### **Surface Preparation:**

STEP 1 – All surfaces must be clean, dry and free from dust, oil, grease and any other contaminants

STEP 2 – Particularly dirty surfaces will need a wash with detergent solution and should be dried thoroughly

STEP 3 – If they allow, wearing away both surfaces is recommended to increase surface area and enhance bond strength by up to 30%

STEP 4 - Subsequent cleaning with a non-residual cleaning solvent will assist in maximising the adhesion of products (follow manufacturers guidelines)

STEP 5 – To achieve maximum surface adhesion our specialist recommends **Nova Bond Surface Primer** which makes the surfaces more readily accept adhesives

#### **Installation of Plain Low Location Lighting Insert:**

Step 1 - If applying the **Plain Low Location Lighting Insert** directly to the wall, thoroughly clean surface (see 'Surface Preparation' above), cut to desired size, peel off self-adhesive liner and adhere to the wall or just below the datum line by applying pressure through use of a hard rubber roller

STEP 2 – If using the **Rigid Green PVC Extrusion** or **Aluminium Extrusion**, apply a bead of **SignFix Permanent Adhesive** along the centre-line of the rear of the profile and bond to wall with sufficient pressure to spread the adhesive, but not so it is oozing out from behind the extrusion – if this occurs then it is best to leave it to dry and then trim off with a scalpel

STEP 3 - If the wall is uneven or excessively curved you may need to drill both the extrusion and wall, countersinking the extrusion so that the screw head is flush to the profile. Fix a wall plug and screw into place – If this step is necessary, you will need to drill before applying **SignFix Permanent Adhesive** (the adhesive will be at handling strength at 12 hours and fully cured after 72 hours, depending on atmospheric conditions)

STEP 4 – To reduce the time taken to cure, wipe the wall with a clean, damp cloth prior to bonding as the moisture aids the adhesive curing

STEP 5 – Test the bond strength by hand but after 12 hours, you should be able to bond the **Plain Low Location Lighting Insert** with firm pressure, again using the hard rubber roller

#### **Installation of Circle Floor Markers with Arrow:**

STEP 1 – Clean the floor surface (see 'Surface Preparation' above)

STEP 2 – Along the centre-line of the corridor, when applying **Circle Floor Markers with Arrow**, allow to

dry completely and simply remove the liner

STEP 3 – Apply according to your route direction and apply firm pressure with a hard rubber roller

### **Installation of Fire Safety Signage:**

STEP 1 – Clean wall surfaces (see ‘Surface Preparation’ above)

STEP 2 – Decide on your required height and draw a faint or removable line on the wall

STEP 3 – Apply a bead of **SignFix Permanent Adhesive** to the rear of the sign in a vertical ‘W’ or joined up ‘W’ pattern without going too close to the perimeter which will cause the adhesive to ooze out when affixed

STEP 4 – Place the sign up to the datum line (choose whether you will use as a top, bottom or centre-line datum), apply firm pressure so that the sign is flush with the wall surface and there is no gap that could attract attention from vandals

### **Installation of Step Edge Marking Tape:**

STEP 1 – Clean step surface (see ‘Surface Preparation’ above) and check that application surface is a flat, non-porous area that will allow a secure bond with the tape

STEP 2 – We recommend priming the surface with **Nova Bond Surface Primer** and allowing to fully dry (5 minutes) before removing the liner and applying the tape flush with the edge of each step and going the full width of the tread

STEP 3 – Apply firm pressure with a hard rubber roller – the tape will reach ultimate bond strength after 12-24 hours depending on atmospheric conditions

### **Installation of Aluminium Stair Nosing:**

STEP 1 - Clean step surface (see ‘Surface Preparation’ above)

STEP 2 – We recommend fixing to the edge of each step by drilling both the nosing and step 50mm in from either edge and in the centre of the 70mm nosing top surface, in the aluminium section behind the 25mm photoluminescent strip

STEP 3 – Countersink the **Aluminium Stair Nosing** holes so that the screws sit flush

STEP 4 – Insert suitable wall-plugs into the step surface and then apply a wavy bead of **SignFix Permanent Adhesive** to the underside of the 70mm top surface

STEP 5 – Press firmly into place to spread the adhesive out and achieve a flush fit with the step to avoid trip hazards

STEP 6 – Insert screws until tight and secure in place – screws will hold the nosing whilst adhesive cures (full cure after 72 hours dependant on atmospheric conditions) therefore the stairwell can be used immediately after installation is complete

STEP 7 – To reduce time for the adhesive to reach full cure, dampen the step surface with a clean cloth prior to bonding

### **Installation of Handrail Marking Tape:**

STEP 1 – Clean handrail surface (see ‘Surface Preparation’ above) – we recommend priming with **Nova Bond Surface Primer** and allow to act and fully dry (5 minutes)

STEP 2 – If required, mark off where you want to apply the tape on the handrail

STEP 3 – Open the polythene packaging of the **Handrail Marking Tape**, remove the roll and then remove some of the liner (NB – for maximum effectiveness keep in sealed packaging until ready for use to prevent premature curing)

STEP 4 – Line up with the datum line, if using one, and continue to remove the liner as you apply the tape – this allows you to accurately line-up the position without having to keep removing the tape from the handrail, which is detrimental to the tape and adhesive

STEP 5 – After applying the tape, use firm pressure with a hard rubber roller – the tape will also accommodate and conform to curved surfaces on your handrail (can be used immediately although it will reach full cure over 72 hours, dependant on atmospheric conditions)