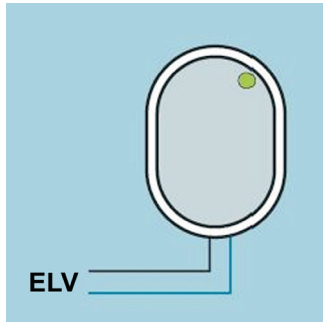
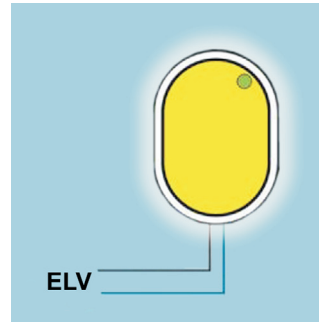


# EMERGENCY LIGHTING DESIGN GUIDE



## Non-maintained

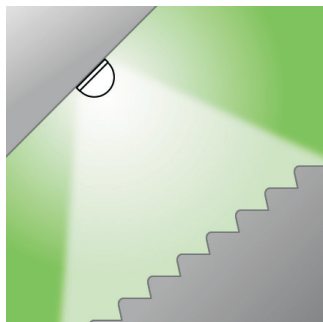
The lighting only operates when the normal mains supply fails (emergency lighting only).



## Maintained

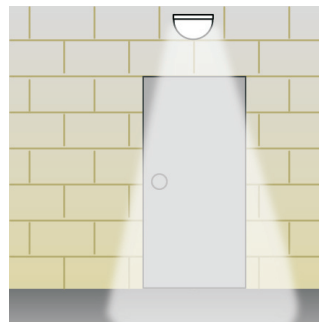
The lighting operates normally and continues to operate when the normal mains supply fails (mains lighting and emergency lighting only).

## Luminaires – Points of Emphasis



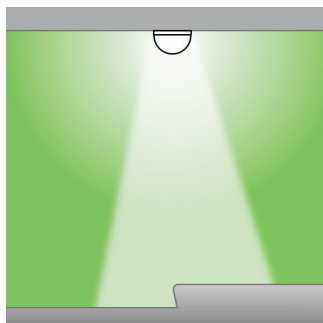
### Near Stairs

Each tread should receive direct light from the installed emergency lighting luminaire(s), so that the minimum luminance on each stair tread is 1 Lux.



### Outside and Near to Each Final Exit

The escape route outside of the final exit(s) to a place of safety shall be illuminated.



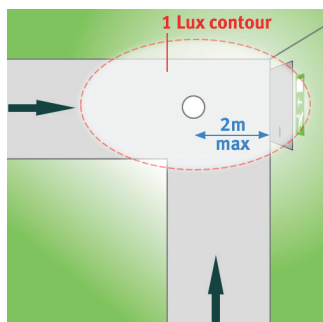
### Near Changes of Level

Steps or other changes of level should receive direct light from an emergency lighting luminaire.



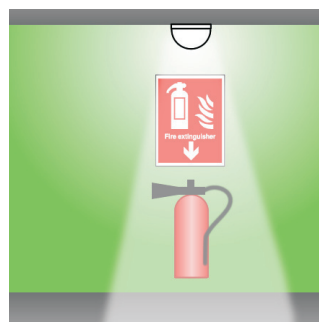
### Near Each First Aid Point

This is a requirement included in BS 5266 Part 7 1999, clause 4. All types of first aid post, including first aid rooms, are to be illuminated to a level of 5 Lux.



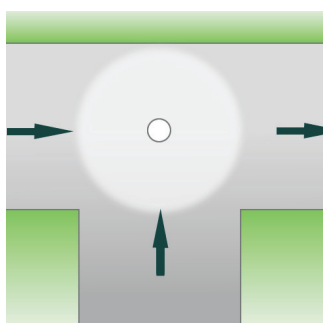
### Exit Doors

Emergency lighting luminaires shall be installed (near) each exit door to provide appropriate illuminance near the door and at the threshold. However, to provide the 1 Lux on the centre line, the luminaire may need to be closer than the 2m suggested in the diagram.



### Near Fire Fighting Equipment and Manual Call Points

Within 2 metres of all fire fighting and fire alarm call points an illuminance level of 5 Lux is required. This would also apply to a fire alarm control panel on an escape route.



### At Each Change of Direction

Emergency lighting luminaires shall be installed near each change of direction as well as near each intersection of corridors on the designated escape route.



### To Illuminate Safety Signs

Emergency lighting luminaires shall be installed to illuminate each escape sign and safety sign. For externally illuminated sign boards, a luminaire should be within 2m of the sign. Any further than 2m away would be unlikely to illuminate the sign sufficiently.

