

Emergency lighting *a practical guide continued*

SPACING

You should also be aware of the viewing distances of signs. The maximum allowable viewing distances for BS 5499 signs, and signs of the Signs Directive format, are:

- 200 x legend panel height if internally illuminated;
- 100 x legend panel height if externally illuminated.

On all escape routes, luminaires should be located so that they do not exceed the maximum spacing distances, which can be from the chart below for the particular ceiling height. When you are undertaking your risk assessment (see section on risk assessment) you must note that luminaire performance

will be affected by the accumulation of dirt, particularly if the system is not regularly maintained. Existing luminaires must be checked to ensure lamps and lighting controllers are clean, undamaged and not blackened.



Look out for this icon which will tell you on which page a particular products relevant spacing table can be found in the 'Notes for Specifiers' section at the end of this catalogue.

Spacing data

LUMINAIRE SPACING ON EMERGENCY ESCAPE ROUTES														
MOUNTING HEIGHT		TRANSVERSE TO WALL (LUX)			TRANSVERSE SPACING (LUX)			AXIAL SPACING (LUX)			AXIAL TO WALL (LUX)			
														
LUMINAIRE MODEL		LUX	0.2	0.5	1.0	0.2	0.5	1.0	0.2	0.5	1.0	0.2	0.5	1.0
Sentry SEN/BH/NM/F8	2.0m	2.7	4.8	3.2	2.0	11.9	8.8	6.4	7.0	5.4	4.4	2.9	2.2	1.5
	2.5m	1.8	5.0	3.1	1.4	12.9	9.2	6.1	7.7	5.7	4.4	3.2	2.2	1.3
	3.0m	1.2	5.1	2.6	0.7	13.6	9.0	5.2	8.3	5.9	4.2	3.3	2.1	0.8
	4.0m	0.7	4.8	1.7	–	14.4	7.8	3.3	9.2	5.9	3.0	3.4	1.5	–
	6.0m	0.3	2.9	–	–	13.1	4.0	–	9.5	3.5	–	2.7	–	–

LUMINAIRE SPACING IN ANTI-PANIC OPEN AREAS						
		LUX	0.5		0.5	
Sentry SEN/BH/NM/F8	2.0m	2.7	2.8		8.0	4.7
	2.5m	1.7	2.7		8.5	5.2
	3.0m	1.2	2.3		8.9	5.5
	4.0m	1.2	1.7		9.1	6.0
	6.0m	1.2	–		7.4	5.9

TESTING

Emergency lighting must work round the clock, and any problems have to be routinely identified and rectified. Testing and maintenance is therefore a fundamental discipline, and you should understand your obligations to BS5839: Part1; 1998, and BS5266: testing Requirements for Central & Self-Contained Systems.

Testing standards

FREQUENCY	BRITISH STANDARD BS 5266: PART 1: 1988	EUROPEAN DRAFT STANDARD pr EN50172
Daily	Check that the operation is in order	Check that the mains are healthy and that the batteries are charging
Monthly	–	Complete an operational check
Every 6 months	Operate a part duration check	–
Annually	Operate a longer duration check	Complete a full duration check on the system
Every 3 years	Operate a full duration check	–

You should note that for the monthly and annual test, records must be made available on site for inspection.

- Daily Inspection (*as per existing copy*)
- Quarterly Test (*as per existing*)
- Annual Test (*as per existing*)
- Every 2-3 Years (*as per existing*)
- Every 5 years