

SMB SERVICES

EMERGENCY LIGHTING



Example Report

SMB SERVICES, helping you to meet the requirements for
a modern and safe working environment


EMERGENCY LIGHTING PERIODIC INSPECTION AND TESTING CERTIFICATE

 CERTIFICATE ID: **EXAMPLE**
1: DETAILS OF CLIENT

Client:	A Client
Address:	Client Address

2: DETAILS OF THE INSTALLATION ADDRESS

Installation Address:	Site Address
Extent of the emergency lighting installation covered by this certificate:	This certificate and condition report covers the site as a whole, including all internal offices, work areas and external fire escape stairs and corridors. This report covers, location of all emergency lighting, test results, condition report and recommendations

3: DETAILS OF DEVIATIONS FROM THE CURRENT STANDARDS

Clause number	Details of the Deviations
4.2	No plans available (these have been generated as part of this inspection and condition report)
Clause 5 / 6.6	Luminaires not positioned correctly to illuminate escape routes as required
5.4	Exit signage mixed style throughout site with areas not having clearly identified escape routes Number of Exit signs do not meet required viewing distance to sign height
Clause 10	Existing layout no longer valid due to structural changes to the building layout and use
Clause 8	Number of plastic enclosures damaged and cable entries open to elements and thus electrical safety issue.
12.3	Functional test only performed due to operation of building – discussed with site manager need for full rated duration test to be performed at time of least risk – suggestion that this could be carried out early mornings during summer months and to negate risk further individual circuits to be tested on separate days
10.6 / 10.7 / Clause 11 / Clause 12	No on site logbook of testing nor maintenance contract in place to perform testing and recording
Clause 12	Number of luminaires around site show signs of blackened lamps, dirty or discoloured diffuser and in some cases physical / mechanical damage

4: RELATED REFERENCE DOCUMENTS

Luminaire list, Test results, Building layout

5: NEXT INSPECTION

I/we, the person identified in section 6, RECOMMEND that this installation is further inspected and tested after an interval of not more than: (Interval in accordance with BSEN50172 / BS5266-8	12 months
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6: DETAILS OF INSPECTOR

Trading as:	SMB Services	Telephone	07889 967496
Address	17 Stones Lane, Golcar Huddersfield. West Yorkshire.	Postcode	HD7 4EJ

For the testing and inspection of emergency lighting

I/we hereby certify that the emergency lighting system installation at the above premises has been inspected and tested by me/us in accordance with the 'Results Schedule of items inspected and tested' on page 2, and to the best of my/our knowledge and belief, the installation complies at the time of my/our inspection and testing with the recommendations given in BS5266-1: 2016 Emergency lighting Part 1: Code of practice for the Emergency Lighting of premises, BSEN1838: 1999 / BS5266-7: 1999 Lighting applications – Emergency lighting and BSEN50172: 2004 / BS5266-8: 2004 Emergency escape lighting systems, except as stated in the deviations above.

Name	S Bowker	Position	Engineer	Signature	<i>S Bowker</i>	Date	xx/xx/xx
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7: PURPOSE OF INSTALLED EMERGENCY LIGHTING SYSTEM

✓	Emergency escape lighting		Standby lighting
✓	Escape route lighting		Partial standby lighting
✓	Open area lighting	✓	High risk task area lighting

8: EMERGENCY LIGHTING INSTALLATION ARRANGEMENT

✓	Self-contained emergency luminaire		Combined emergency luminaire
	Central battery system		Standby generator system

9: CATEGORIES OF OPERATION FOR EMERGENCY LIGHTING SYSTEM

Type:	Mode:	Facilities:	Duration:
Bulkhead	Non-Maintained	Local test key facility	3 hour
Exit Sign	Non-Maintained	Local test key facility	3 hour

10: RESULTS OF INSPECTION AND TESTING

BS5266-1:2016 Clause ref	Requirements	System Conforms
4.2	Plans are available and correct	No
Clause 5	Under test conditions, adequate illumination provided for safe movement on the escape route and the open areas This can be checked by visual inspection and checking that the illumination from the luminaires is not obscured and that minimum design spacing's have been met.	No
6.6	Luminaires correctly positions and oriented as shown on the plans	Yes
Clause 10	Original design still valid	No
5.4	All escape route safety signs and fire fighting equipment location signs visible with the normal lighting extinguished	No
6.6	Correct application and siting of additional emergency lighting	No
6.7	Luminaires conform to BS EN 6059-2.22	Yes
6.7	Luminaires have an appropriate ingress protection rating for their location, as specified in the system design	Yes
Clause 8	Wiring systems comply with the requirements of BS 7671	No
8.2	Fire protection of central wiring systems satisfactory	N/A
8.2.6	Emergency lighting circuits correctly segregated from other supplies	N/A
8.2.12	Wiring to emergency lighting supply sources at fixed installation, where a specialist plug and socket arrangement is used – it is protected against unauthorised interference	N/A
8.3.3	System has suitable test facility for the application	N/A
8.3.5	Central power system output voltage range is compatible with the supply voltage range of the connected luminaires, taking into account supply cable volt drop	N/A
12.3	Luminaires tested and found to operate for their full rated duration	Functional Test Only
10.6	Instructions for the operation and maintenance available	Yes
Clause 11	Test record and log book completed and satisfactory	No
10.6, 10.7 Clause 11	Instruction together with a suitable log book showing a satisfactory commissioning test are available for use by the building occupier	No
Clause 12	Luminaires are clean and undamaged with lamps or light source in good condition	No
10.7 Clause 12	Building occupier and their staff trained on suitable maintenance, testing and operating procedures – or current maintenance contracts are in place	No
12.1	Evidence of servicing of the central battery system (in line with manufacturers recommendations) and in-house or maintenance contracts in place for on-going inspection and testing	N/A
12.2	Evidence of servicing of standby generator system (in line with manufacturers recommendations) and in-house or maintenance contracts in place for on-going inspection and testing	N/A
12.3	After test, the charging indicators operate correctly	Yes

11: TEST INSTRUEMENTS USED

Instrument 1 (Light meter) Model / Type	Serial Number:	Instrument 1 (Other) Model / Type	Serial Number:
Extech – LT40	A2315678VC		



12: OBSERVATIONS AND RECOMMENDATIONS

This report is based on a site survey of the premises and based on information provided by the building owner / occupier and data obtained during the survey and discussions. We cannot be liable for any omissions to the data provided and this document provides a report on the status of the operation of the emergency lighting installed on the date the survey / testing was performed. Subsequent failures are inevitable and the reason the emergency lighting testing regime details a monthly test to ensure safe and reliable operation, all faults identified should be rectified at the earliest opportunity.

Building description and estimated overall dimensions:
Office environment attached to a separate warehouse facility
Approx 28mtr x 37mtr

01 to 07 and 11 to 12 - 8W Fluorescent Exit Sign
08 to 10 and 13 to 15 - 8W Fluorescent Bulkhead

60 SECOND FUNCTIONAL TEST:

1, 2, 4, 5, 6, 13 - illuminate in mains fail condition for 60 second functional test
8, 9, 10, 15 - No means of isolation or test
3, 11, 12, 14 - No battery charge indicator or emergency operation
7 - Faulty lamp (pink and blackened end caps)

OBSERVATIONS:

Luminaire number 1, canteen locker room - obscured by items on top of lockers
No light level measurements have been taken as unable to switch off mains luminaires due to building being in operation
Reception area - no emergency lighting
Reception stairs - no emergency lighting
Boiler room - no access for check to be performed
Canteen area - no emergency lighting
Ground floor gents toilet - no emergency lighting
Ground floor ladies toilet - no emergency lighting
First floor gents toilet - no emergency lighting
First floor ladies toilet - no emergency lighting
First floor main office - no emergency lighting
Back fire escape stairwell - insufficient emergency lighting provided (requires additional luminaires at half landings)
Basement (gym area) - no emergency lighting
Warehouse office stairs from reception - no emergency lighting
Warehouse office first floor corridor - no emergency lighting
No external emergency lighting luminaire by final exit of escape stairs
No signs provided to allow for clear and unambiguous exit from the building
Fire call points and extinguishers require emergency lighting within 2mtr
All corridors require emergency lighting and signs
First aid and electrical distribution points require additional emergency lighting
Recommend additional emergency light provided for computer server room (allow for correct shut down of servers)

RECOMMENDATIONS:

Given the age of the installation and observed date of bulkheads on site, all bulkheads should be replaced with new luminaires

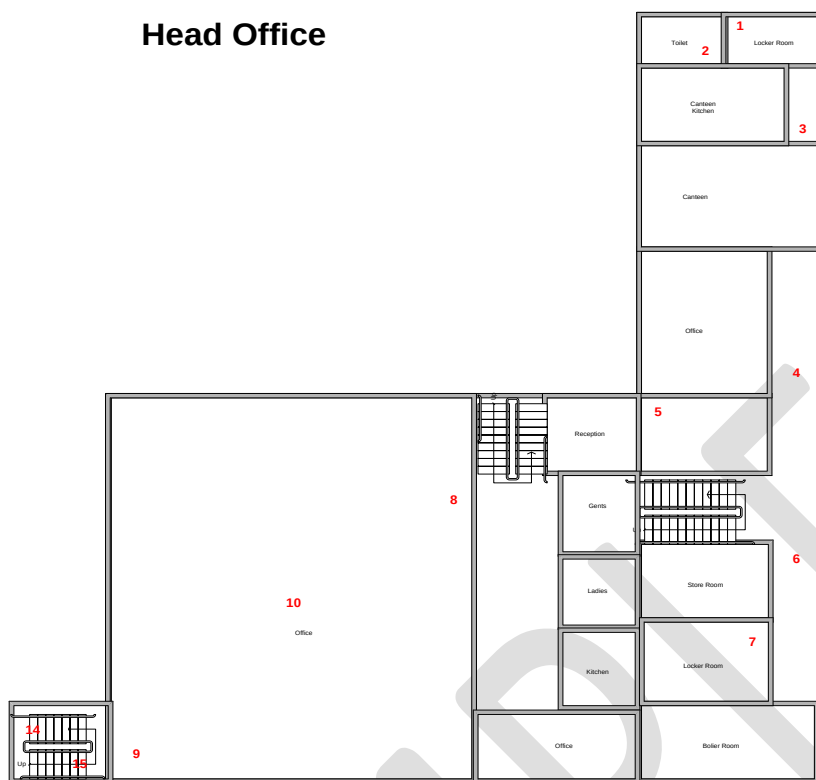
A full emergency scheme design should be seriously considered as a matter of urgency as it is doubtful that the current emergency lighting installed on site will achieve the required lighting levels nor are the luminaires positioned correctly for viewing distance.

Once site updates are complete, personnel on site should be made aware of the importance of the emergency lighting and monthly functional testing should be performed and recorded.

All the above should be considered as a serious health and safety risk and should be actioned as soon as possible

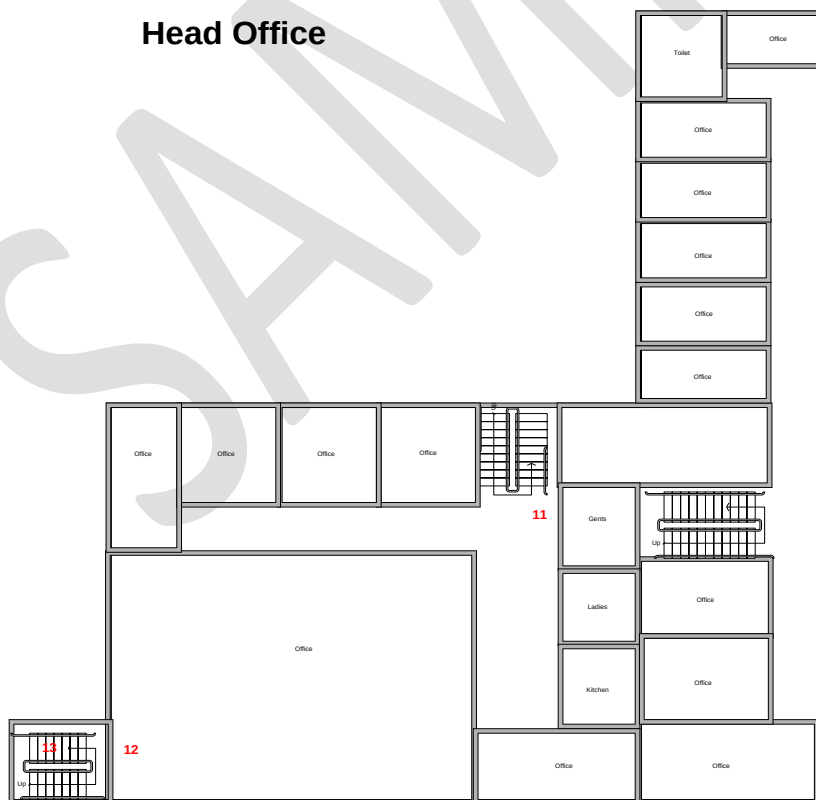


Head Office



Ground Floor

Head Office



First Floor



EMERGENCY LIGHTING DEVICE LIST

1: DETAILS OF CLIENT

Client:	A Client
Address:	Cleint Address

2: DETAILS OF THE INSTALLATION ADDRESS

Installation Address:	Site Address
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3: EMERGENCY LIGHTING DEVICE LIST

No.	Location	Type of Device	Lamp Type	Mode of Operation	Test Switch Number	Test Switch Location
1	Canteen Locker Room	Exit Sign	8W T5 FL	Non-Maintained	Klix	Adjacent to Luminaire
2	Canteen Toilets	Exit Sign	8W T5 FL	Non-Maintained	Klix	Adjacent to Luminaire
3	Canteen Kitchen Exit	Exit Sign	8W T5 FL	Non-Maintained	Klix	Adjacent to Luminaire
4	Canteen Corridor	Exit Sign	8W T5 FL	Non-Maintained	Klix	Adjacent to Luminaire
5	Reception Security Door	Exit Sign	8W T5 FL	Non-Maintained	Klix	Adjacent to Luminaire
6	Boiler Room Corridor	Exit Sign	8W T5 FL	Non-Maintained	Keyswitch	Adjacent to Luminaire
7	Ladies Locker Room	Exit Sign	8W T5 FL	Non-Maintained	Klix	Adjacent to Luminaire
8	Ground Floor Office Entrance	Bulkhead	8W T5 FL	Non-Maintained	N/A	No test facility available
9	Ground Floor Office Fire Exit Door	Bulkhead	8W T5 FL	Non-Maintained	N/A	No test facility available
10	Ground Floor Office Centre of Room	Bulkhead	8W T5 FL	Non-Maintained	N/A	No test facility available
11	1st Floor Entrance from Stairs	Exit Sign	8W T5 FL	Non-Maintained	Keyswitch	Adjacent to Luminaire
12	First Floor Office	Exit Sign	8W T5 FL	Non-Maintained	Keyswitch	Adjacent to Luminaire
13	Back Escape stairs - First Floor	Bulkhead	8W T5 FL	Non-Maintained	Keyswitch	Adjacent to Luminaire
14	Back Escape stairs - Ground Floor	Bulkhead	8W T5 FL	Non-Maintained	Keyswitch	Adjacent to Luminaire
15	Back Escape stairs - Fire exit door	Bulkhead	8W T5 FL	Non-Maintained	N/A	No test facility available

4: ADDITIONAL COMMENTS
5: DETAILS OF INSPECTOR

Trading as:	SMB Services		
Address	17 Stones Lane, Golcar Huddersfield. West Yorkshire.	Telephone	07889 967496
		Postcode	HD7 4EJ

For the testing and inspection of emergency lighting

Name	S Bowker	Position	Engineer	Signature	<i>S Bowker</i>	Date	xx/xx/xx
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EMERGENCY LIGHTING CHECK-LIST

Location:	Details:	Status
Building Plans	Plans of the premises available detailing escape routes, open areas, high risk task areas and emergency / safety equipment inc. fire alarm controls, signage and any other items highlighted by site risk assessment	✗
Previous test records	Availability of previous emergency lighting test records and data	✗
Final Exit (internal)	To provide illumination of escape routes and have correct signage	✗
Final Exit (External)	To provide illumination within 2mtr horizontal of any final exit, also required to provide sufficient illumination to a place of safety to perform a roll call	✗
Corridors	To provide correct illumination and also be within 2mtr horizontal of any change of direction on an escape route	✗
Junctions	To provide correct illumination and also be within 2mtr horizontal of any route junction on an escape route	✗
Stairways	To provide illumination within 2mtr horizontal of any change in floor level, also all stair treads to have direct illumination	✗
Escalators	Should not be considered as part of any escape route but require relevant illumination level to aid those on the escalator during a power failure	N/A
Fire extinguishers, alarm call points and control panels	To provide illumination within 2mtr horizontal of all fire fighting equipment, call points and control panels	✗
First Aid points	To provide illumination within 2mtr horizontal of any first aid stations or safety equipment	✗
Toilets	To be installed in all toilets greater than 8mtr ² or if no natural light present or in all disabled toilets	✗
Lifts	Required to provide emergency illumination in all lift compartments	N/A
Control Rooms	Required to provide emergency illumination for all plant, control or essential services control	✗
Hazardous Areas and Process	Illuminated to 10% of normal lighting level or 15 Lux whichever is the greater and a response time less than 0.5Sec	N/A
Open Areas	Areas greater than 60m ² or assessed to need emergency lighting require 0.5 Lux minimum illumination level to within 0.5mtr of wall	✗
Escape Routes	1 Lux minimum illumination on the centre line of escape route (up to 2mtr). Older installations may have been designed to 0.2 Lux, these installations need to be re-assesse to ensure light levels are acceptable to the application	✗
Exit Signs	Signs should meet the latest style related to signs directive	✗
	Signs should be either self illuminated or have an emergency luminaire within 2mtr of horizontal.	✗
	All signs should be the same format throughout the building to avoid confusion during emergency conditions	✗
	Do all signs meet minimum viewing distance (200x sign height)	✗
	All signs correctly positioned and providing unambiguous indication of the correct escape route ?	✗
Disability Glare	High intensity emergency luminaires (twinspot or directional LED luminaires) can cause glare which obscure the escape route and signage. Such luminaires should be positioned at least 30deg out of direct line of sight when observed from the escape route	N/A
Duration	A minimum duration of 3hr should be used for all premises that are not expected to be evacuated immediately on a supply failure (eg hotel etc) or if premises are expected to be re-occupied upon restoration of the supply	✓
	A minimum duration of 1hr should be used only on premises which are immediately evacuated on a supply failure and not reoccupied until full battery charge has been achieved (ie 24hrs after power restoration)	N/A



Emergency Lighting Test Summary

Site:	Head Office			Date:	xx/xx/xxxx
ID	Type	Location	Test Results	Test Switch	Test Switch Location
1	Exit Sign	Canteen Locker Room	Functional test OK	Klix	Adjacent to luminaire
2	Exit Sign	Canteen Toilets	Functional test OK	Klix	Adjacent to luminaire
3	Exit Sign	Canteen Kitchen Exit	Swapped for LED Bulkhead - Require legend	Klix	Adjacent to luminaire
4	Exit Sign	Canteen Corridor	Functional test OK	Klix	Adjacent to luminaire
5	Exit Sign	Reception Door	Functional test OK	Klix	Adjacent to luminaire
6	Exit Sign	Boiler Room Corridor	Relamped	N/A	Adjacent to luminaire
7	Exit Sign	Ladies Locker Room	Relamped	Klix	Adjacent to luminaire
8	Bulkhead	Ground Floor Office	Not tested	N/A	No test switch available
9	Bulkhead	Ground Floor Office	Not tested	N/A	No test switch available
10	Bulkhead	Ground Floor Office	Not tested	N/A	No test switch available
11	Exit Sign	First Floor Entrance	No battery charge indicator	N/A	Adjacent to luminaire
12	Exit Sign	First Floor Office	No battery charge indicator	N/A	Adjacent to luminaire
13	Bulkhead	Escape stairs	Functional test OK	N/A	Adjacent to luminaire
14	Bulkhead	Escape stairs	No battery charge indicator	N/A	Adjacent to luminaire
15	Bulkhead	Escape stairs	Not tested	N/A	No test switch available

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