



PRODUCT SPECIFICATION

HBE



INTRODUCTION

The HBE is a decorative hanging blade exit sign available with a range of installation kits enabling suspended, surface or wall mounted installation. With lithium autotest and central battery options the HBE is compatible with a wide range of emergency systems whilst our HBE Wireless offers full compatibility with Reacta-Link providing automated emergency testing and central reporting of failures substantially reducing the lifetime operating cost of your emergency installation.

**UK
CA** CE IP20

APPLICATION

- Canteen
- Commercial / Offices
- Corridor
- Education
- Food Production
- Healthcare / Social Housing
- Hotel / Leisure
- Industrial / Manufacturing
- Kitchen
- Office

- Retail
- Stairwell
- Store Room
- Toilet
- Transport
- Warehousing

SPECIFICATION

CONSTRUCTION

- Housing: Extruded aluminium
- Finish: Matt white
- Endcaps: Injection moulded polycarbonate
- ISO 7010 or Euro Norm Legends with all directional arrow options.
- IP20

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ENVIRONMENTAL

- Every luminaire is labelled with a unique ID number allowing easy identification of spare parts for the lifetime of the product.
- UK based manufacturing providing local support throughout the product lifetime and minimising transportation miles.

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INSTALLATION

- Suitable for suspended installation

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EMERGENCY

- Available with standard, self test or autotest emergency.

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IMAGES

PRODUCT IMAGES



HBE



HBE Black



HBE Ceiling Mount Kit



HBE Wall Mount Kit



HBE RL ISO7010



HBE LL ISO7010



HBE DL ISO7010

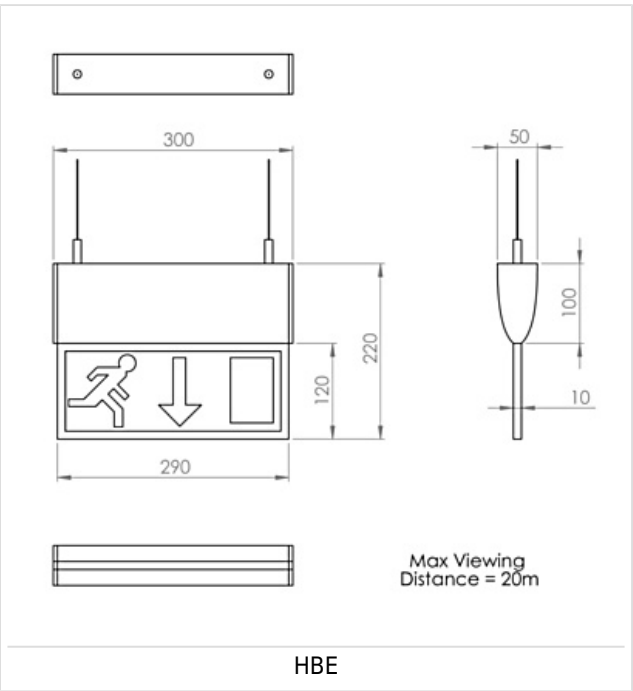


HBE UL ISO7010

PROJECT IMAGES



TECHNICAL



WARRANTY

At Dextra our commitment to service has been at the forefront throughout our history spanning more than forty years in the UK lighting market. Our service ethos extends beyond design and delivery, we believe supporting your installation throughout the warranty period is equally crucial, whilst the strength and longevity of Dextra Group provides peace of mind that our warranty will be supported throughout.

The Dextra range is supplied with a five year warranty commencing from the date of delivery. During the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years drivers, emergency modules, wireless modules, sensors and LED circuits will be supplied free of charge to replace defective components, labour and other associated costs are not included.

Certain ranges and components are subject to exemptions:

- Lithium batteries are provided with a five year warranty. During the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years replacement batteries will be supplied free of charge to replace defective components. Five year warranty became effective as of 03/02/25, Lithium emergency luminaires supplied prior to this date are supported with a three year on site warranty only. Labour and other associated costs are not included. Nickel Metal Hydride and Nickel Cadmium batteries are provided with a one year warranty for parts and labour.
- Emergency luminaires including AME LED, EXI LED, EXI3, EXI Track, HBE LED, HBE3, OAT2 LED, OEZ2 and Twinspot are supplied with a one year warranty for parts and labour. Lithium variants suffixed with the 5YR part code, the Autotest emergency with the LA3 part code and wireless variants with LA3RC or LSTR part codes are supplied with a five year warranty. For these extended warranty variants for the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years replacement batteries will be supplied free of charge to replace defective components.
- Protec Micro, PTECF7 Fire Rated Downlights, Serenus and the Opus Sconce are provided with a five year replacement luminaire only warranty. Protec FR Fire Rated Downlights are provided with a 2 year replacement luminaire only warranty.
- Controls systems such as standalone sensors, switches, marshalling boxes and cabling are provided with a one year warranty for both parts and labour. DALI control systems are provided with a two year warranty for both parts and labour.
- LEDextra ranges are supplied with a three year parts or replacement luminaire only warranty with the exception of the IMPR RGBW, the Runway RGBW, the MOD RGBW, Tanek RGBW and the DexRing. These five ranges are supplied with our standard five year warranty during which defects within the first three years will be repaired on site and the warranty includes both parts and labour. For the final two years free of charge replacement components only will be supplied to rectify any failures but labour and other associated costs are not included.
- LEDEX ranges are supplied with a three year replacement luminaire only warranty.
- The Decorative Pendant ranges, Bebo, Dene, Nova, Fino and Stix are supplied with a 3 year replacement luminaire only

warranty.

All warranties are subject to correct use of the product and will be invalidated by misuse, for example incorrect installation, unsuitable environmental conditions or incorrect maintenance. It is the duty of the customer to ensure that all the fault lies with the luminaire prior to requesting replacement parts or site repairs. In the event that no defect is found with the product our costs for attending site will be recharged to the customer and credit will not be issued against returned products. No consequential losses incurred resulting from any defect with our product will be reimbursed.

Given the nature of LED technology a small percentage of LEDs may fail during the lifetime of a luminaire, this does not cause a reduction in lumen output. As such LED luminaires are only deemed to be faulty for warranty purposes when in excess of ten percent of LEDs have failed in a single luminaire.

On site repair of products under warranty will be undertaken during normal working hours, 9am to 5pm Monday to Friday, and will require unrestricted access to luminaires. Where required Dextra will provide access equipment to carry out repairs at height, should luminaires have been installed in locations where reasonable provision for maintenance access has not been made we reserve the right to supply replacement product only. On site warranty repairs will only be undertaken on the mainland of the UK and Ireland, in all other locations replacement product only will be provided.

If you require any assistance with regards to our products please contact our Customer Services department on 01747 858100.

ORDER CODES

LUMINAIRE

Code	Description	Power
HBE LED M3 LA3	HBE Suspended, Maintained, Lithium Autotest Emergency 3 Hour	4.0W
HBE LED M3 CB110	HBE Suspended, Maintained, 110v Central Battery	4.0W
HBE LED M3 CB230	HBE Suspended, Maintained, 230v Central Battery	4.0W
HBER LED M3 LA3	HBE Recessed, Maintained, Lithium Autotest Emergency 3 Hour	4.0W
HBER LED M3 CB110	HBE Recessed, Maintained, 110v Central Battery	4.0W
HBER LED M3 CB230	HBE Recessed, Maintained, 230v Central Battery	4.0W
HBE LED M3 LA3 BL	HBE Suspended, Maintained, Lithium Autotest Emergency 3 Hour, Black	3.1W

Please note that black and white products differ in design, please refer to images.
Black versions come complete with legends.

MISCELLANEOUS

Code	Description
HBE DL ISO7010	HBE Legend Panel Arrow Down, ISO 7010 Format
HBE LL ISO7010	HBE Legend Panel Arrow Left, ISO 7010 Format
HBE RL ISO7010	HBE Legend Panel Arrow Right, ISO 7010 Format
HBE UL ISO7010	HBE Legend Panel Up, ISO 7010 Format
HBE DSL ISO7010	HBE Double Sided Legend Panel Arrow Left/Right, ISO 7010 Format
HBE DDL ISO7010	HBE Double Sided Legend Panel Arrow Down, ISO 7010 Format
HBE DUL ISO7010	HBE Double Sided Legend Panel Up, ISO 7010 Format
HBE DL	HBE Legend Panel Arrow Down, Euro Norm Format
HBE LL	HBE Legend Panel Arrow Left, Euro Norm Format
HBE RL	HBE Legend Panel Arrow Right, Euro Norm Format

HBE UL	HBE Legend Panel Up, Euro Norm Format
HBE DSL	HBE Double Sided Legend Panel Arrow Left/Right
HBE DDL	HBE Double Sided Legend Panel Arrow Down
HBE DUL	HBE Double Sided Legend Panel Up
SLD/CBRK	HBE Ceiling Mounting Kit*
SLD/CBRK SG	HBE Ceiling Mounting Kit (Silver Grey)*
SLD/WBRK	HBE Wall Mounting Kit
HBE LED 6M WIRE KIT	HBE 6M Suspension Kit

*Not suitable for 240v central battery versions.

Installation Instructions

HBE LED M3

LED Exit Signs

Please retain these instructions for future reference

HBE LED M3



HBE LED M3 suspended Exit signs are available with a selection of ceiling and wall mounting plates. The selected mounting plate should be fitted to the mounting surface using fixings appropriate to the application. Supply cables should be installed according to National Wiring Regulations and should suit the type of mounting arrangement chosen.

The body is provided with two fixing studs. These pass through the holes provided in the mounting bracket and the quarter turn twist locks are rotated so the blade of the flat hooks locate into the slots on the mounting studs.

1. Undo the single screw in the end-cap adjacent to the cable entry and pull the plastic end-cap away from the extruded body
2. Slide the aluminium front cover along to gain access to the circuit board and supply terminals
3. Bring the supply cable through the top hole provided and connect to the terminal block: L1 is for switched maintained supply if required, L,N,E are for the permanent supply to charge the integral battery.
4. Replace the front cover and the end plate

NB: These units are available with a simple Self-Test feature. If fitted this circuit will carry out function checks once per month and indicate any problems with the battery or circuit.

HBE LED M3 luminaires use long life LED's to illuminate the sign legend. There are no customer serviceable parts. They are designed to last for 5years after which time they should be sent for recycling and replaced with a new unit.

The legends are fitted via four thumb-screws. Therefore legends can be easily be changed when the luminaire is installed.

INSTALLATION AND OPERATION INSTRUCTIONS FOR LUMINAIRES FITTED WITH DALI/SELFTEST CONTROL GEAR

INTRODUCTION

This luminaire is fitted with DALI/Self-Test control gear and should be installed as per the standard luminaire installation instructions, with an additional bus cable connected if used as part of a DALI system.

OPERATION AND TESTING

Luminaires incorporating the DALI/Self-Test control gear should be connected to the normal mains supplies for a minimum of 24 hours before operating in emergency lighting mode as the batteries require a 24 hour charge before they will provide full rated duration. NOTE the DALI/Self-Test control gear has a self-commissioned mode which charges the battery and then does a full duration test, whilst in this mode the LED indicator will slowly flash green. See table below for other control gear modes:

DALI/Self/test module local LED indicator

Green LED	Permanently on	System OK/mains operation mode
	Slow flash	Duration test/commissioning
	Fast flash	Function test
Red LED	Permanently on	LED luminaire fault
	Slow flash	Battery/test failure
	Fast flash	Battery charging fault

Slow flash – a flash every 2 seconds, Fast flash – a flash every 0.5 second

DALI COMMUNICATION

DALI modules will respond to DALI commands from a suitable control unit, and these commands can be used to initiate function and duration tests at prescribed times. The status flags for the module are set after a test, for reporting and logging of the results.