OLX-XBH | Emergency bulk head

Product description

The OLX-XBH is suitable for use in a wide range of environments such as schools, shopping centres, warehouses, offices, car parks and many other indoor escape route applications. Typically products in this range are wall mounted and are supplied with an up arrow legend as standard. Other directions in an ISO 7010 format are available to order separately.

Versions are available with selectable manual/ automatic self-test '/ST' which provide diagnostics via the status indicators when the unit has completed an automatic test. DALI-2 '/D2ST' and wireless versions '/CW' & '/SW' will perform routine testing and report thier status as required by the remote test system master.

Features

- Suitable for escape routes, anti-panic areas.
- Available as standard with switchable self-test, DALI-2, "One Connect+" Casambi wireless or Silvair wireless Self-Test functionality
- Suitable for maintained or non-maintained operation by separate supply inputs
- Industry standard size suitable for new installations or retro fit
- Wall mountable with multiple M20 wire entry points.
- Latest generation LEDs
- Manually test with a built-in 'push to test' switch
- Drivers comply with: EN61347-1, EN61347-2-7, EN55015, EN61000-3-2, EN61547, EN 62034 for ST version & EN 62386 for D2ST version.
- Conforms to EN60598-1 & EN60598-2-22
- Batteries include voltage, current and thermal protection with UN38.3 approval.

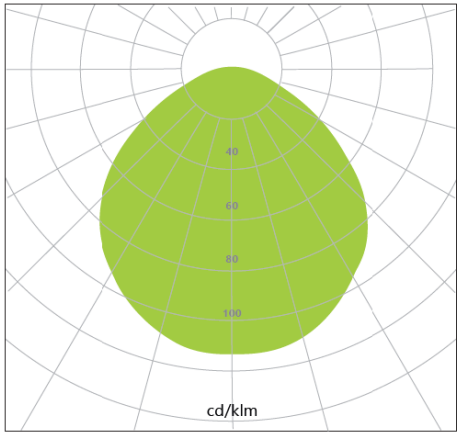
Common Technical Data	
Input Supply Voltage	230V +/- 10%
Supply Frequency	50/60 Hz
Input Power	3W/ 0.5W
Battery Type	LiFePO4
Ambient Temperature Range	0.-40°C
IP Rating	IP65
Light Output	360lm at 4000K
Viewing Distance	20m
L70	50,000Hrs
Weight	600kg
Dimensions (mm)	355(l) x 110(w) x 65(d)

Model Number	Battery Pack	Box Qty
OLX-XBH/350/M3/LFP	LiFePO4	10

For Standard/ Self-Test versions add '/ST',
DALI-2 versions add '/D2ST'
Casambi wireless versions add '/CW' & Silvair wireless versions add '/SW'.

See page 2 for further information on /ST, /D2ST, /CW and /SW Self-Test options





LDC Polar Diagram

Spacing table - 1 lux even distribution ceiling mounted at 2 - 4m

The photometric file is available from our website or via our Technical Department.

Mounting Height (m)				
2.00	3.34	8.04	8.03	8.02
2.50	3.67	8.95	8.87	8.78
3.00	3.94	9.71	9.61	9.50
3.50	4.13	10.36	10.24	10.11
4.00	4.26	10.90	10.78	10.62

Product specifications may be subject to change without prior notice.

Technology Partner SILVAIR

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Disclaimers

This product and its associated accessories have been designed and manufactured to comply with the requirements of EN605982-22 and required additional standards. Operation beyond the parameters specified in this document and the associated standards may result in reduced performance and ultimate premature failure, with the warranty made void. The specifier should be aware of the environment to which this luminaire and components are used and adhere to its specifications. Please contact our Technical department if you are in any doubt.

Precautions

This luminaire must be installed by a qualified and competent electrician.

It should not be mounted in an external location or in areas where temperatures below 0°C may be frequent in cold months and likewise, do not use the luminaire in a hot environment where the temperature is maintained at 40°C or above. In either case, the battery's design life of 4 years will be compromised and provision of three hour emergency duration may not be possible when needed.

Installation notes

See product label for supply connection details.

Prepare supply cables with a strip length of 6mm (10mm maximum).

Min/max Conductor sizes: 0.2 - 1.5 mm2.

This product must be installed in accordance with the current wiring and building regulations.

This product requires a permanent supply (via test key switch where required). Restrain and protect the terminations by affixing the cord restraint and terminal cover provided.

Commissioning

Once the luminaire is installed, the mains supply should be instated and remain un-interrupted for a minimum of 24 hours. The supply should then be removed and all luminaires checked for a minimum of 3-hours duration. The label on the battery must be installed and dated by the commissioning engineer. See details below for automated self-testing products.

Emergency Operation Testing

Regardless of product variant, regular testing must be carried out and recorded in accordance with BS EN 50172. To facilitate monthly checks, a manual push-to-test switch is incorporated into the underside of the luminaire. Depressing the switch will operate the lamp in the emergency mode for as long as it is pressed. This feature allows regular testing to be carried out with minimal inconvenience to the building occupants. For commissioning and the annual full-rated duration test, it is recommended that the supply is isolated via conventional methods such as isolation of the circuit at the MCB or via key test.

Selectable Manual-Test or Self-Test Operation

Luminaires with this feature will have '/ST' in their part code and if Self-Test mode is selected they can automatically carry out regular testing and report the result via the red and green LED indicators. Full details can be found in the instructions supplied with the product.

Centralised Self-Test Options

Conventional wired DALI - /D2ST

Luminaires with '/D2ST' in their part code are for monitoring and control on hard wired DALI-2 test systems. If not connected to a DALI system they will operate in standalone self-test mode. Full details can be found on the supplementary 'D2ST' data sheet downloadable from the product's web page.

Casambi wireless DALI - /CW

Luminaires with '/CW' in their part code are for use on our Casambi based One-Connect+ wireless networks for automated test and monitoring by a conventional DALI-2 test system. Full details can be found on the supplementary 'One Connect+' data sheet downloadable from the product's web page.

Silvair wireless - /SW

Luminaires with '/SW' in their part code for use on Silvair wireless networks for automated test and monitoring by a Silvair test system. Full details can be found on the supplementary 'Silvair Wireless' data sheet downloadable from the product's web page.

Maintenance

There are no user serviceable parts within the product. The battery pack must be replaced when the 3 hour duration is no longer achieved.

The battery is not considered user-replaceable and must be referred to a competent engineer. Please contact Luxemesh for technical support or suitable replacement parts.

Batteries and Disposal

Luxemesh are committed to fulfil its obligations as a producer of batteries used in emergency lighting applications. End-oflife batteries may either be returned to us at the customers cost and arrangements will be made to ensure their correct disposal. Alternatively it may be more convenient for the customer to deliver end-of-life batteries to site(s) of authorized treatment facilities at their cost and it will be ensured that they are accepted back and subsequently treated to the standard required by the regulations.

Product specifications may be subject to change without prior notice.