

# integral LED

6.5/10W 1000/1500LM 3HR NON-MAINTAINED  
IP65 6500K MANUAL & SELF-TEST  
SWITCHABLE - ILEMBH031 NEW VERSION

EMERGENCY HIGH BAY BULKHEAD

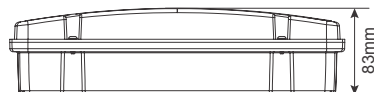
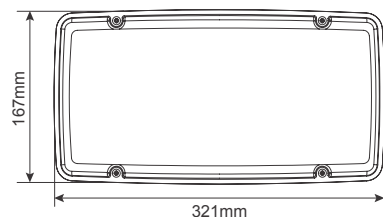


IS 1001



45°C  
0°C

INSTALLATION INSTRUCTIONS  
INSTRUCTIONS D'INSTALLATION  
INSTALLATIE INSTRUCTIES  
INSTRUCCIONES DE INSTALACIÓN  
INSTALLATIONSANLEITUNG  
INSTRUKCJE INSTALACJI  
INSTRUÇÕES DE INSTALAÇÃO



ILEMBH031 6.5/10W 1000/1500LM 3HR NON-MAINTAINED IP65 6500K  
MANUAL & SELF- TEST SWITCHABLE INTEGRAL LED

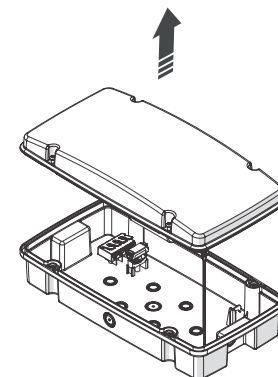
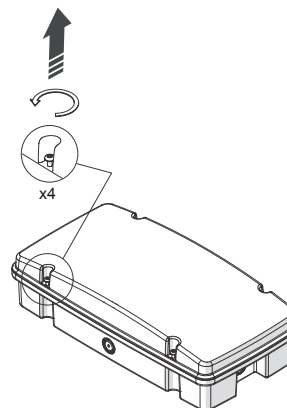
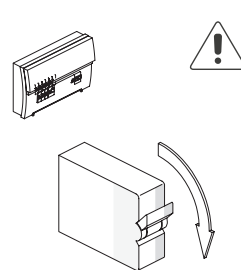
## Routine Testing

Testing should be carried out in accordance with the recommendations of BS5266 & EN50172.

1. Do not switch off unswitched mains supply after installation. If interruption is unavoidable, the batteries must be disconnected or damage to the batteries may occur. Leave the luminaire on continuous charge for 24 hours.
2. Batteries should be replaced when the luminaire no longer meets the 3 hours duration performance.
3. Testing is performed by interrupting the unswitched supply for the test duration manually or self-test function complying with IEC62034. During testing the luminaire should remain illuminated in emergency mode.
4. Ensure that the 'charge indicator' is 'ON' during 'Charging Mode'. If the charge indicator (LED) is Unlit/red, this signifies a fault.
5. Replace faulty light source and batteries immediately.

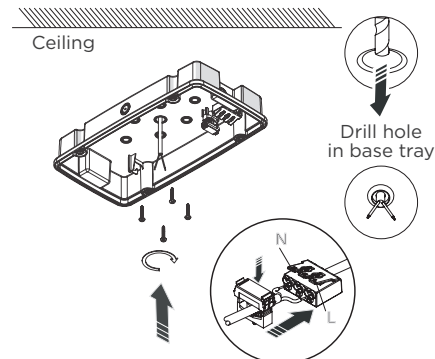
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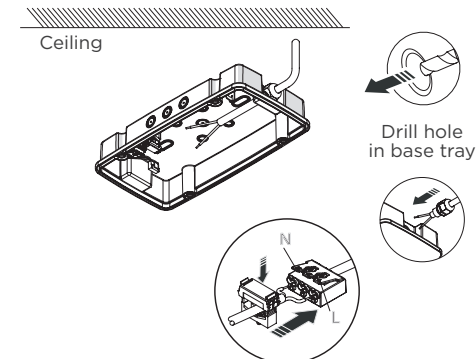


ALWAYS SWITCH OFF THE  
MAINS SUPPLY BEFORE  
INSTALLATION OR SERVICING

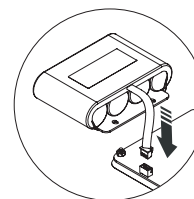
## MODEL A



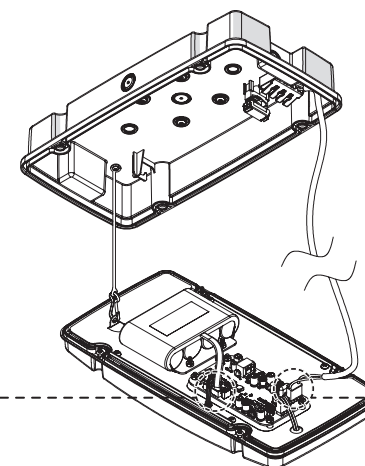
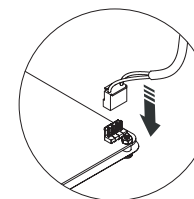
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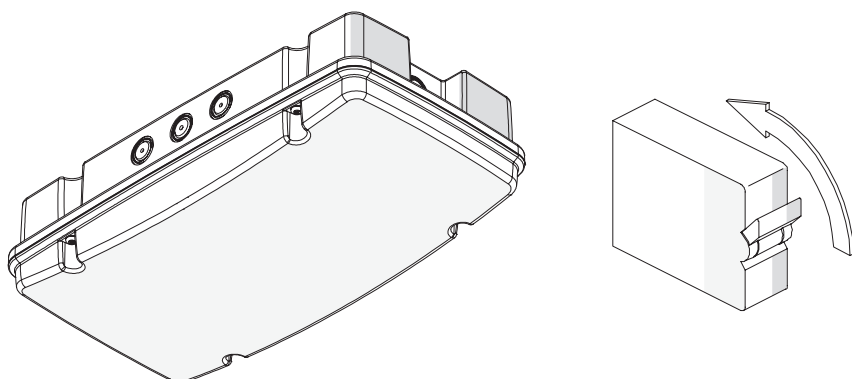
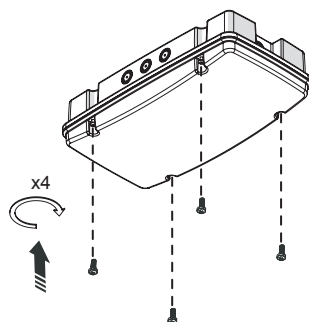
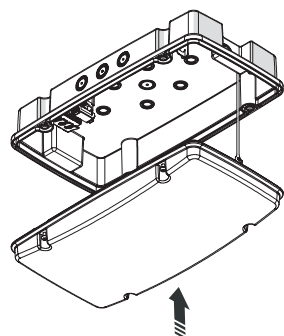
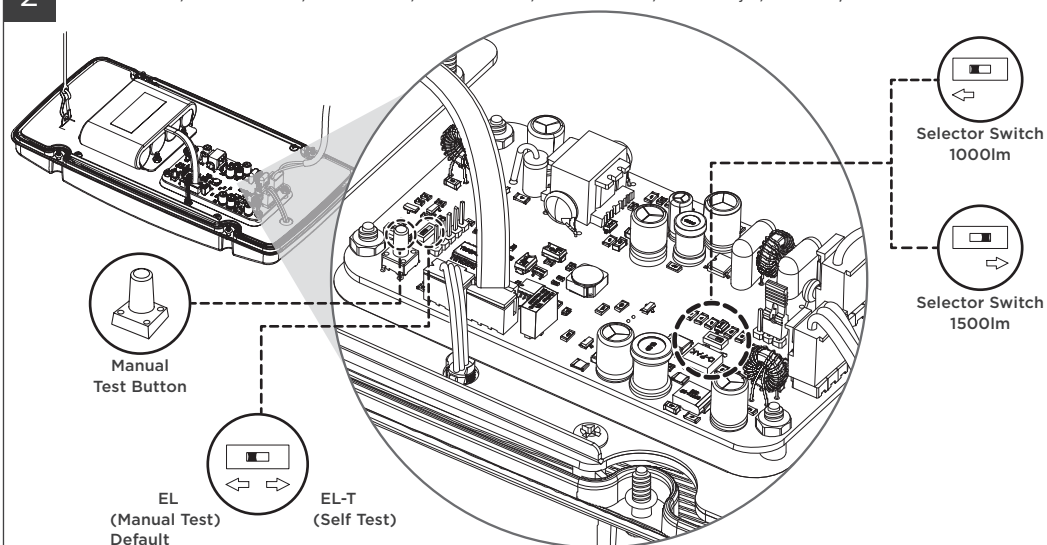


Connect battery to  
converter



Connect power  
supply to LED board





## Specifications for Self Test

### Function Test

The function test is carried out every week for 5 seconds. It will check the connection of battery, battery discharging and the connection of LED module.

### Duration Test

atest is carried out for 3 hours every half year, on one day within the 175th day to the 195th day. It will also check the connection of battery and LED module.

A bi-colour indicator will indicate the normal and abnormal status. Green is for conditions are normal and red for failures.

Descriptions as following.

| LED Colour | Status                        | On Time (Seconds) | Off Time (Seconds) | Description                                            |
|------------|-------------------------------|-------------------|--------------------|--------------------------------------------------------|
| Green      | Permanent on                  | /                 | /                  | Normal status when mains connected                     |
|            | Slow flash                    | 1s                | 1s                 | Duration test running                                  |
|            | Fast flash                    | 0.2s              | 0.2s               | Function test running                                  |
|            | Normal flash three times only | 0.5s              | 0.5s               | Time reset                                             |
| Red        | Permanent on                  | /                 | /                  | Battery failure                                        |
|            | Slow flash                    | 1s                | 1s                 | Lamp failure                                           |
|            | Fast flash                    | 0.2s              | 0.2s               | Duration failure - battery capacity is not sufficient. |
| Light Off  | Off                           | /                 | /                  | Emergency mode                                         |

A test switch is applied for different functions activated manually.

| Duration       | Function                                                                              |
|----------------|---------------------------------------------------------------------------------------|
| Press for <2s  | Simulate emergency mode                                                               |
| Press for 3-5s | Start duration test manually. The test can be aborted by pressing off (1-2s).         |
| Press for 5-8s | Start Function test manually for 60s. The test can be aborted by pressing off (1-2s). |
| Press for >10s | Time Reset                                                                            |

### Note:

- When the mains is on, the green indicator will be permanent on. It will check the connection of battery and the connection of LED module. When the mains is off, no test will perform.
- When there is a lamp failure at non-maintained mode, the indicator remains green but will turn red and be slow flashing after the failure is detected in a weekly function test.
- The luminaires on which we want to perform the duration tests must be connected to the mains supply for at least 24 uninterrupted hours.
- When the fault is corrected, the indicator will only be reset to its normal status after mains reconnected or test switch pressed.
- An accuracy of the timing of the test interval is ensured that it has an accuracy of  $\pm 75$  s per week. The timing function will be retained through periods of mains supply failure or interruption for up to 7 days.
- The battery charge shall not start if the cell temperature is below 0°C or above 65°C.



All Trademarks Acknowledged

Warranty/Technical & contact information is available at [www.integral-led.com](http://www.integral-led.com)

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