

## Testing regime

Luminaires incorporate fully automatic self testing and will regularly test for correct lamp (LEDs) functioning and for battery functioning in accordance with a predefined test programme that exceeds the requirements of BSEN50172 / BS5266 Pt.8: 2004.

See separate FASTEL test regime description.

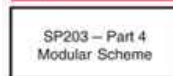
Where stand alone self testing versions are installed, it is necessary at least monthly to record the indicator LED status.

### Remote control and monitoring (SRM units only)

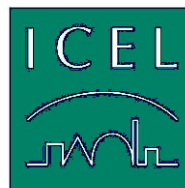
All SRM version luminaires incorporate remote control and monitoring capability. Luminaires may be connected via collector boxes and interface boxes either to a local computer or to a LAN or internet connection and remotely controlled and monitored. All SRM luminaires are assigned individual addresses before leaving the factory and should be installed in accordance with the installation plans. Details of the remote control and monitoring operation may be found in a separate sheet.

Technical Specification GAMMA Flush Light	
Supply Voltage	230V +10% -10%, 50/60Hz
Mode of Operation	Non Maintained or Maintained
Weight	G/N/M3 - 1.6kg G/N/M3-SRM - 1.6kg
Duration	3 hours
Recharge period	24 hours for full duration (14 hours for 1 hour)
Light sources	High Efficiency white LEDs
Battery	2.4V 1600mAh Ni-Cd
Ambient temperature	+5°C to +25°C
Degree or Protection	IP20
Conformity	BSEN 60.598-2-22

Technical Specification LAMBDA Exit Sign	
Supply Voltage	230V +10% -10%, 50/60Hz
Mode of Operation	Non Maintained or Maintained
Weight	L/N/M3 - 2.2kg L/N/M3-SRM - 2.2kg
Duration	3 hours
Recharge period	24 hours for full duration (14 hours for 1 hour)
Light sources	High Efficiency white LEDs
Battery	2.4V 1600mAh Ni-Cd
Ambient temperature	+5°C to +25°C
Degree or Protection	IP20
Conformity	BSEN 60.598-2-22



INVESTOR IN PEOPLE



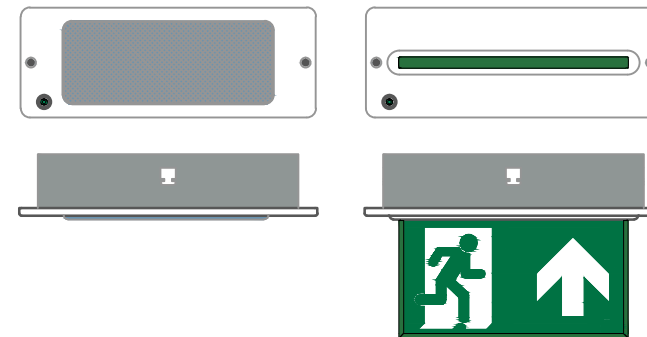
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Leading the way in self testing emergency lighting



Installation and Operating Instructions for  
**GAMMA Recessed Luminaire &  
 LAMBDA Recessed Exit Sign**

**G/N/M3, G/N/M3-SRM  
 L/N/M3 & L/N/M3-SRM**



REF860-10 Issue 1. July 2014

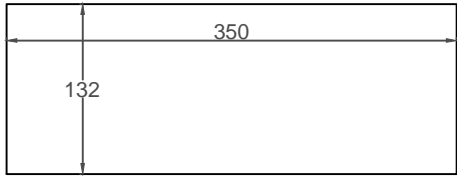
Drawn By T. Skevington - Approved By P. Warner

## Installation Instructions

GAMMA & LAMBDA fittings are fully automatic self testing emergency lighting luminaires and do not require a key switch testing facility.

1. Luminaires should only be installed by suitably qualified personnel.
2. Installation should be carried out in accordance with the requirements of BS7671 and luminaires located as required by BS5266 Pts 1, 7 and 8.
3. Before installing, connecting or servicing these luminaires, isolate the mains supply to which they are to be connected.

### 1 Cut Hole In Ceiling



Mark on the ceiling a 132mm X 150mm rectangle ensuring it's position matches the emergency lighting design. Using a suitable tool cut out of the rectangle to leave a hole.

### 2 Removing Fascia and Gear Tray



Fig 1.

Take the fitting out of the box and unscrew the x2No. retaining screws on the front and remove the fascia (see Fig 1.). Do **NOT** remove the screw from the fascia, there are retainer washers fitted to aid re-installation.

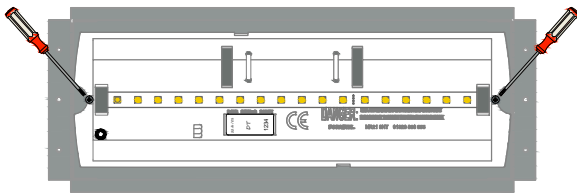
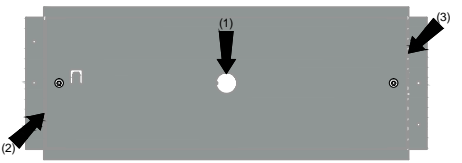


Fig 2.

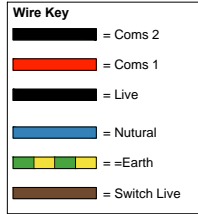
Remove the x2No. Gear Tray retainer screws (see Fig 2.) and unclip the Gear Tray from the housing unit using a flat bladed screw driver (See Fig 3.)

### 3 Cable Entry Points

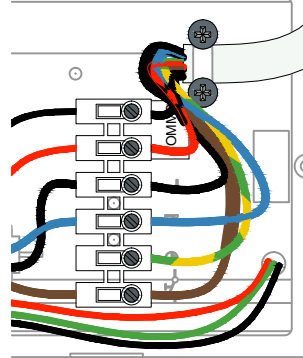


There are x3No. knockout holes in the housing unit, choose a suitable hole for your installation and knockout the cover. A rubber cable grommet may be required to help protect the cable (not supplied).

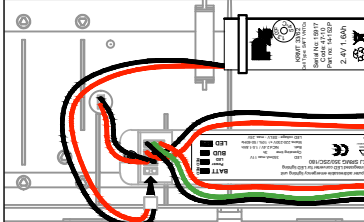
### 4 Wiring Detail



Wire the connector block as per the label guides. In case of maintained operation the switched live must be connected to the LSW terminal. Note the switched live and the unswitched live must be from the same phase.



### 5 Battery Connection



Plug the battery connectors together (Red and Black Cables), ensuring polarity is correct.

### 6 Exit Legend Fitting - LAMBDA Only

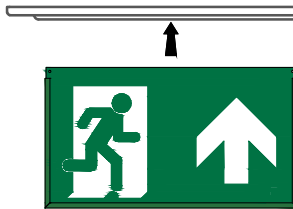


Fig 3.

When finished repeat step 2 in reverse to reinstall the gear tray and fascia.



Fig 4.

Take the legend out of the protective packaging and ensure its the correct direction. Slide the legend panel into the LAMBDA fascia (see Fig 3.) Next take the two supplied R-Clips and clip into the two holes on the legend panel (see Fig 4.)

### 7 Fitting into Ceiling



Fig 5.

Fold the springs on either side of the fitting up as shown in Fig 5.

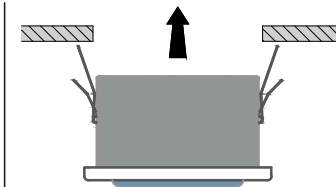


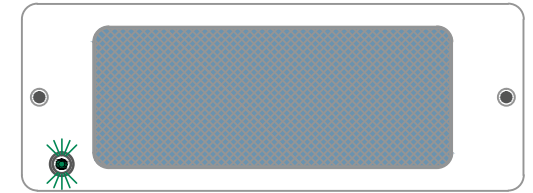
Fig 6.

Insert the fitting into the ceiling (see Fig 6) ensuring that the smaller spring catches on the outside of the ceiling (see Fig 7.)

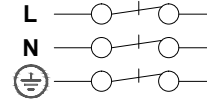


Fig 7.

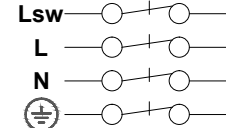
### 7 Applying Mains Supply



Non Maintained



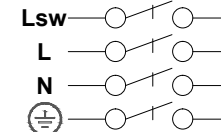
Maintained



If fitted see product specification

Apply mains supply to test the luminaire. The indicator LED will show flashing green and the LEDs will illuminate if the Switched Live supply is connected and switched on.

### 8 Test Emergency Supply



To test, briefly fail the supply to illuminate sign from the internal battery. The indicator LED will be extinguished.

### 9 Reconnect Mains Supply

As Step 7.

Reconnect the unswitched supply to restart battery charging, indicated by the flashing green indicator LED. Reconnection of the Switched Live will re-illuminate the LEDs from the mains supply if connected for maintained operation.