SYLVANIA

Sylvania Emergency Luminaire - Test Record Sheet

Luminaire Type / Ref.....Date of Installation.....Location.....

Month	Test	First Year Signed	First Year Date	Second Year Signed	Second Year Date	Third Year Signed	Third Year Date	Forth Year Signed	Forth Year Date	Fifth Year Signed	Fifth Year Date
1	Functional										
2	Functional										
3	Functional										
4	Functional										
5	Functional										
6	One Hour										
7	Functional										
8	Functional										
9	Functional										
10	Functional										
11	Functional										
12	One Hour										
	Three Hour										

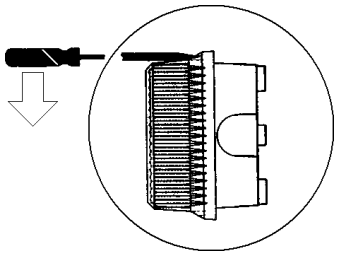

Figure 3
To remove diffuser insert screwdriver into side pockets ans lever against the side wall as shown.

PLEASE RETAIN THIS LEAFLET FOR FUTURE REFERENCE

PLEASE READ THIS LEAFLET BEFORE COMMENCING INSTALLATION

Syl-Safe IP65
9036512 9036513 9036514 9036515

IS1053

Safety
This unit should be fitted by a fully qualified electrician in accordance with the appropriate national / IEE wiring regul;ations. Switch off mains supply before installation, maintenance or replacing lamps.
This product must not be modified. Any modification will negate any Safety Mark Approvals and may render the product unsafe. Sylvania accepts no responsibility for modified products. In order to maintain the IP65 Standard it is necessary to ensure that the gasket provided is correctly installed and all mounting fixings and conduit cable entries are sealed with silicon to prevent the ingress of dust and moisture.
This product must be installed in accordance with these instructions. If in any doubt or for further advice please telephone the Sylvania helpline.
Sylvania emergency luminaires have been designed for use in normal indoor conditions. Please telephone the Sylvania helpline if they are to be installed where the room temperature normally exceeds 30 degrees Celcius or fall below 0 degrees Celcius, when the relative humidity normally exceeds 40%, or in environments with unusually high contamination.
This fitting should not be installed in close proximity to any external source of heat or covered with any heat insulating material, air flow around the fitting should not be restricted.
Please Note: It is important to ensure sufficiant room to adjacent surfaces has been left for the removal of the diffuser.
Note any minimum distances to adjacent surfaces.
This unit should be connected to the lighting supply circuit, or fused at a maximum of 5A.

General Description
This unit is either a non-maintained (NM suffix), or maintained (M) self-contained emergency luminaire.
To confirm model type, check the data provided on the fitting and the packaging.

9036512 9036513	Non-maintained:	Incorporates one lamp which is illuminated only under mains failure conditions.
9036514 9036515	Maintained:	Incorporates one lamp which is illuminated either via a separate switched supply or under mains failure conditions.

For the purpose of IEC 598 (1990), these fittings are classified as being, without rest mode.

Installation Instructions
Follow these instructions carefully to ensure safe and reliable operation. Retain this leaflet for future reference.
The emergency luminaire should be connected, using a cable of at least 1.5mm cross sectional area, to a stable and permanant mains supply of the correct rated voltage and frequency as stated on the product specification label. This may be from the lighting supply circuit, or fused at a maximum of 5A. To facilitate testing a fused spur box can be included in the unswitched permanent live supply.

Class II (⧈). Double Insulated. This product need not be earthed.

All switching etc. shall comply with BS5266 Part 1. Unless specifically permitted, emergency luminaires should not be connected or controlled by any energy management device.
Before commencing installation, ensure that the electricity supply and battery pack are disconnected.
Surge suppressors may be required at the point of connection to the supply wiring when installing luminaires to MICC cable.

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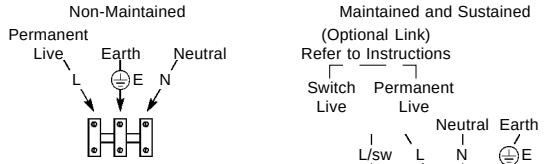
1 Remove diffuser by levering screwdriver in each of the four release notches until it detaches from the base. (see figure 3 on back page)
2 Unscrew the hinged gear tray and remove completely if necessary.
3 Select and remove a knock-out corresponding with the conduit and / or cable run.
4 Mount the base in position on a suitable surface ensuring sufficient room has been left for the removal of the diffuser.
5 Bring the cable into position and make the correct electrical connections as follows:



Class II ( ) This product need not be earthed

Terminal (L)	This is the live supply to the charging circuit and must be permanent and unswitched.
Terminal (E)	This is for the earth and must be connected.
Terminal (N)	This is for the neutral supply and must be permanent.
Terminal (L/sw)	This is maimtaining the electrical continuity of an earthed conductor when necessary (looping in).

Colour Code Brown = Live Blue = Neutral Green/Yellow = Earth
Conductor Size = 1.0mm^2 - 2.5mm^2 solid or stranded.
Ensure that no strands of bare wire have escaped the terminals.

Please be advised: (Optional Link). If the switching is not required, a link wire should be connected between terminals (L) and (L/sw). The lamp (Maintained Models) will then be permanently illuminated.

The emergency luminaire contains a battery cell pack which is supplied DISCONNECTED from the main circuit for component protection purposes and user safety whilst packed, in transit, or being installed / inspected.

6 Mark the battery cell pack with the date of installation and then RECONNECT the battery positive terminal to the main circuit using the RED flying lead.
7 Refit the gear tray and diffuser in reverse order, taking care to ensure that no wires are trapped and that all fastenings are secure.

WARNING
The battery cell pack must be RECONNECTED before the mains is switched on.

Failure to comply with these installation instructions may result in irreparable damage to the main circuit.

DO NOT high-voltage insulation test this unit, or the lighting system with this unit connected.

Commissioning and Testing
Switch on the mains supply and check to ensure that both the Red LED battery charging indicator is illuminated.
On maintained fittings, check that the switched live supply (L/sw) facility functions correctly (if appropriate). Allow a brief time for initial partial charging and then isolate the permanent live supply by removing the fuse from the spur box. Check to ensure the lamp is then illuminated from the battery cell pack supply
After a further 60 hours on a continuous charge, and only at a safe and appropriate time, mains failure should be simulated to ensure that full duration rating is achieved. Thereafter the recharge time is 24 hours.

Maintenance
Servicing should only be carried out after the luminaire has been made electrically safe.

Lamps should be replaced at set intervals for maximum system integrity, use only lamps of the correct type and rating and follow the lamp manufacturers instructions.
Failed lamps should be replaced promptly to avoid damage.
When replacing lamps, special care should be taken not to touch the pins because the luminaire may still be live, even with the mains isolated.

Cleaning should be carried out at regular intervals to ensure that dirt does not accumulate to an extent that will impair the electrical and / or thermal safety of the luminaire. Regular cleaning will also ensure that the optical performance is maintained.

Battery packs should be replaced when the luminaire fails to meet its rated duration.

The disposal of components from the luminaire may require consultation with local authorities. The disposal of batteries is subject to Local Authority Regulations, and the By-Laws Department for disposal of toxic waste should be consulted for specific guidance. Battery cell packs must not be incinerated.

Specification 9036512
Battery Type : High Temperature Nickel Cadmium D Cell : 2 x 1.2 Volt: 4 Ampere Hour Rating.
Specification 9036514
Battery Type : High Temperature Nickel Cadmium D Cell : 2 x 1.2 Volt: 4 Ampere Hour Rating.

Lamp Type : Sylvania 8 Watt T5 300mm Cool White Fluorescent Tube.

Emergency Light Output: 9036512 = 92 Lumens 9036514 = 80 Lumens

Cover Type: Clear Prismatic

Please be advised: Lighting levels are only provided to allow checking of correct operation, and determination of correct lighting levels on an escape route can only be made with full photometric data.

Routine Inspection and Test Proceedure
All tests should be undertaken during daylight hours at times of minimum risk and be in accordance with the recommendations of BS 5266 Part I: 1988.

DAILY - Check that the Red LED battery charging indicator are illuminated and every lamp in a maintained or sustained system is functioning correctly. Replace any ageing lamps.

MONTHLY - In addition to the daily check, a functional test through simulation of mains supply failure should be carried out to confirm lamp is illuminated from the battery cell pack supply. This test need only be for approximately 30 seconds. It should not exceed one quarter of the rated luminaire duration.

SIX - MONTHLY - In addition to the monthly test, the lamp should be illuminated from the battery cell pack supply for a continuous period of at least one hour.

THREE -YEARS - In addition to the monthly tests, the lamps should be illuminated from the battery cell pack supply for the full rated duration of the luminaire. (Three Hours on 8W Non-Maintained and Maintained models).

ANNUALLY THEREAFTER - As above, i.e., Check that the luminaire operates for the full rated duration.

At the end of each test period the mains supply should be restored and a check made to ensure that both red LED battery charging indicator is illuminated.

Battery cell packs should be replaced once the rated duration can no longer be met.