

Installation Leaflet

SEVEN RANGE - EDGELIT EXIT SIGN

*Semi-Recessed Version - 7100** (210mm x 40mm cut -out Reqd.)*

1. On the luminaire remove the bottom fixing plate retained by two screws and slide the cover downwards to remove.
2. Remove gearbox lid retained by two screws, follow wiring instructions as detailed later and replace gearbox lid.
3. Offer the luminaire body through the ceiling aperture and fix body to the ceiling using the fixing holes provided.
4. Follow legend fixing instructions as detailed later.
5. Replace cover and bottom fixing plate previously removed in step 1 (take note of position of LED if fitted and marry with hole in bottom plate). Follow test procedure as detailed later.

*Surface/Ceiling Version - 7200**/7300***

1. On the luminaire remove the bottom fixing plate retained by two screws and slide the cover downwards to remove.
2. Remove top suspension bracket (Two side screw fixings) and fix to ceiling - drilling reqd. conduit entry in ceiling, 7300 versions have additional mounting plate on top. Offer the luminaire body to the ceiling bracket and fix body in place using the fixing holes as previously mentioned.
3. Remove gearbox lid retained by two screws and follow wiring instructions as detailed later, replace gearbox lid.
4. Follow legend fixing instructions as detailed later.
5. Replace cover and bottom fixing plate previously removed in step 1 (take note of position of LED if fitted and marry with hole in bottom plate). Follow test procedure as detailed later.

*Suspended Version - 7400**/7500***

1. On the luminaire remove the bottom fixing plate retained by two screws and slide the cover downwards to remove.
2. Take top rod suspension bracket (supplied separately) and fix to ceiling drilling reqd. conduit entry in ceiling, Offer the luminaire body to the ceiling bracket and fix body in place using the countersunk fixing holes and screws provided.
3. Remove gearbox lid retained by two screws and follow wiring instructions as detailed later, replace gearbox lid.
4. Follow legend fixing instructions as detailed later.
5. Replace cover and bottom fixing plate previously removed in step 1 (take note of position of LED if fitted and marry with hole in bottom plate). Follow test procedure as detailed later.

*Wall Mounted - 7600***

1. On the luminaire remove the bottom fixing plate retained by two screws and slide the cover downwards to remove.
2. Remove wall fixing bracket retained by four screws on both side edges and fix into position using the BESA fixing or 5mm holes provided allowing for conduit entry. Remove gearbox lid retained by two screws.
3. Offer the luminaire body to wall fixing bracket feeding the supply cable through the bracket and into the body utilizing the cable entry, fix body to the wall bracket by screws previously removed in step 2.
4. Follow wiring instructions as detailed later and replace gearbox lid.
5. Follow legend fixing instructions as detailed later.
6. Replace cover and bottom fixing plate previously removed in step 1 (take note of position of LED if fitted and marry with hole in bottom plate). Follow test procedure as detailed later.

*Cantilever Version (right angle wall fixing) - 7700***

1. Remove wall fixing bracket retained by one screw on top edge and fix into position using the two 5mm holes provided.
2. On the luminaire remove the bottom fixing plate retained by two screws and slide the cover downwards to remove.
3. Remove gearbox lid retained by two screws.
4. Offer the luminaire body to wall fixing bracket feeding the supply cable through the bracket and into the body utilizing the cable entry, fix body to the wall bracket by screw previously removed in step 1.
5. Follow wiring instructions as detailed later and replace gearbox lid.
6. Follow legend fixing instructions as detailed later.
7. Replace cover and bottom fixing plate previously removed in step 2 (take note of position of LED if fitted and marry with hole in bottom plate). Follow test procedure as detailed later.

Wiring Instruction

There is no restriction on the type of cable to be used but careful consideration should be applied when calculating the size of cable for larger installations. Voltage drops should comply with the latest I.E.E. wiring regulations. All luminaires should be properly earthed. Maximum cable size 6mm diameter on Rod & Chain suspended versions.

Mains Version

This type of luminaire requires a line for standard mains operation mode only, this may be switched or otherwise.

The luminaire is supplied with a fused terminal block. Connect the live to "L"; connect neutral to "N" and your earth to the other terminal. Follow the test procedure as detailed later.

AC/DC Inverter Only Version

This type of luminaire requires an AC/DC supply from a central battery system. The luminaire may be permanently On or Off. The luminaire is supplied with a fused terminal block. Connect your AC/DC supply + to the terminal marked "L" and connect AC/DC - to "N" (ensure correct polarity). Follow the test procedure as detailed later.

Change over AC/DC Inverter

This type of luminaire requires a switched line for standard operation of the mains control gear and a permanent line for the emergency gear. The permanent line provides a reference for the emergency gear and a source to change to the emergency supply when is standard mains fails. This can be either AC or DC depending on the type of fitting to be installed. The luminaire is supplied with fused terminal blocks. Connect the terminal marked "USL" to a permanent supply. Connect neutral and switched line (SL) to the other terminals for normal operation of the mains gear.

Connect the emergency supply into terminal block marked 'Emergency Supply' L / N and / or "+" and "-" ensure correct polarity follow the test procedure as detailed later.

Maintained Version

This type of luminaire requires a switched line for standard operation of the mains control gear and a permanent line for the emergency gear. The permanent line provides a reference for the emergency gear and a source to charge the batteries when is standby mode. The luminaire is supplied with a fused terminal block. Connect the terminal marked "USL" to a permanent supply. Connect neutral and switched line (SL) to the other terminals for normal operation of the mains gear.

Check that the Red LED illuminates when mains is applied. After an initial charge follow the test procedure as detailed later. Ensure that the battery leads are never short circuited when disconnected.

Non-Maintained

This type of luminaire requires an unswitched line for operation in emergency mode only. The permanent line provides a reference for the emergency gear and a source to charge the batteries when in standby mode.

The luminaire is supplied with a fused terminal block. Connect the "USL" to a direct supply connect neutral and earth to the other terminals. Check that the Red LED illuminates when mains is applied. After an initial charge follow the test procedure as detailed later. **Both of the above Emergency versions may be wired to a test switch if required on the unswitched line (USL), but remember when testing to remove the switched line on the maintained version first.**

Legend Assembly LED & Fluorescent Versions

1. Remove the legend assembly bracket by releasing the four retaining screws (2 each side) and remove LED if fitted.
2. Remove legend fixing screws on bottom flange and insert legend
3. Fix assembly bracket into place using the screws previously removed and offer complete assembly to luminaire body (note "T" slot to facilitate ease of fixing).
4. Lock into place following reverse of step 1.

Servicing and Lamp Replacement

SERVICING e.g. CLEANING, GEAR OR FUSE REPLACEMENT SHOULD ONLY BE CARRIED OUT AFTER THE LUMINARE HAS BEEN ELECTRICALLY ISOLATED AND ALLOWED TO COOL.

Emergency Versions Only

The life of the batteries will generally depend upon the ambient temperature of the installation. A life of at least four years can normally be expected. If during routine testing the specified discharge is not achieved then the batteries should be replaced. Ensure that the battery leads are never short circuited when disconnected.

INITIAL TESTING: Charge the batteries for 24 hours and then turn off the unswitched live feed by operating the luminaire test switch, if fitted (push and hold) or the supply source as necessary. Check that the lamp illuminates at a reduced brilliance and remains on for a specified period.

ROUTINE TESTING: The unswitched live feed should be interrupted once a month for a short period of time to ensure that the emergency circuit is functioning correctly. Every six months the circuit should be operated for 1 hour and every three years for a period of 3 hours. (Recommendation of BS5266 Part 1:1988)

Fluorescent Lamps should be in good condition for reliable emergency operation

White LED Versions have no serviceable components contact our Sales Department in the unlikely event of a failure.

IMPORTANT

This product should NOT be modified. Any modification may render this product unsafe and will invalidate its safety/approval marks. Philip Payne Ltd. Will not accept responsibility for any damage caused as a result of their modification. Installation of this product should only be carried out by competent person(s). If in any doubt, consult a qualified engineer.

WARNING: Ensure mains are fully isolated before servicing; high voltages greatly in excess of mains voltages can be present during operation. Failed lamps should be replaced promptly or the circuit switched off to avoid possible damage to control gear. Continual operation at mains voltages in excess of the rated voltage will reduce lamp and expected gear life, and may contravene any relevant certificate requirements. **A copy of our safe use for luminaires guide is available to download from our website.**

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