

Emergency Light Fittings for Use on Construction Sites

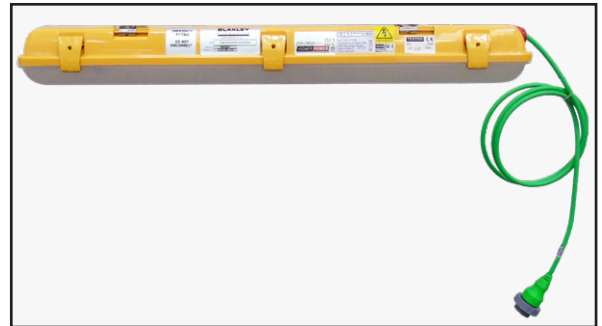
We supply a range of unwired, pre-wired and plug-in emergency light fittings for use at 110V on UK construction sites. In our fittings we use a variety of battery chemistries, from traditional Nickel Cadmium (NiCad) to modern smart batteries such as Lithium Ion (Li-ion) and Lithium Ferrous Phosphate (LiFePO₄).

When fittings are supplied unwired, the battery pack has to be connected to the emergency module as part of the installation process. Once the battery has been connected, the fitting should be connected to a mains supply and it should not be routinely discharged thereafter. The correct functioning of the fitting should be checked once a month, a one hour discharge test should be conducted every 6 months and a 3 hour discharge test every 12 months. A test record form is supplied with each fitting. Please note: batteries take approximately 24 hours to re-charge from a discharged state and all batteries should be replaced after 4 years.

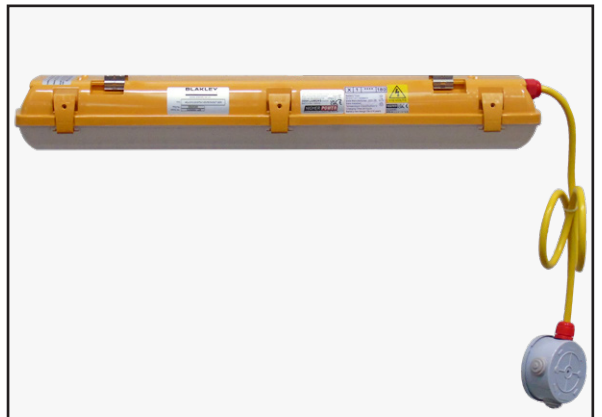
When fittings are pre-wired (either with a Flori adaptor or to a tee box), the battery is connected as part of the assembly process. Fittings with Smart batteries incorporate protection to prevent damage to batteries during short term storage (up to 12 weeks). Pre-wired fittings with NiCad batteries incorporate a rest switch which protects the batteries during short term storage. For long term storage (over 12 weeks) all batteries should be completely disconnected.

Once installed, all emergency fittings must be permanently energised. Fittings that are pre-wired to a tee box utilise 4 core cable between the tee box and the fitting. This enables LED arrays in fittings to be switched off without discharging batteries in the emergency packs, providing a suitable 4 core control system is installed. Please note: if non i-Site emergency fittings are fed from a 3 core supply it is not possible to provide any lighting control i.e. LED arrays must remain permanently on. i-Site fittings have integral lighting control and these can be fed from a 3 core supply but they must still be permanently supplied to prevent damage to the batteries within emergency fittings.

Emergency fittings pre-wired with a plug-in Flori adaptor can be fitted with a 3 pin adaptor or a 4 pin adaptor. Fittings with 4 pin adaptors can have their LED arrays switched off without discharging batteries. Circuits incorporating emergency fittings supplied from a 3 pin adaptor cannot incorporate lighting control, unless the fittings are from the i-Site range, which have integral controlgear and avoid the need for 4 core wiring systems and separate lighting controls.



Part Number S060922H
2', 27W, 110V maintained emergency fitting with Flori-67/4P adaptor



Part Number S060928R
2', 27W, 110V maintained emergency fitting with tee box



Part Number S060917R
2', 27W, 110V maintained emergency fitting with Flori-67/3P adaptor and battery rest switch