

Maintained Low Power LED Emergency Equipment

LMpro

The **LMpro** Kits provide maintained (mains and emergency operation) of either one or two LEDs connected in series.

Where a single mains/emergency driver is required with Self-Test or fully interoperable DALI the **LMpro** modules should be specified.

The **LMpro** range offers a low-profile charger/ inverter module with High temperature Nickel Cadmium or Nickel Metal Hydride batteries to suit the application. *(sub-C cell NiCd batteries are supplied as standard).*

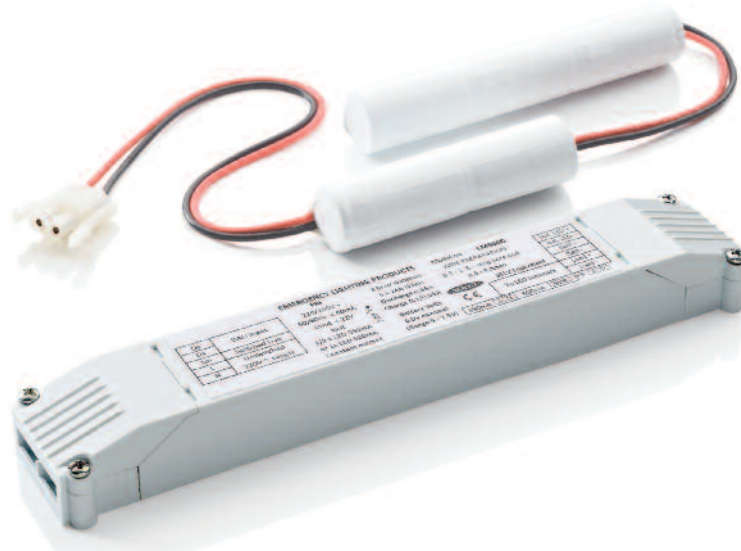
LMpro modules are available with or without cable restraints providing an ideal solution for use as built-in or independent control gear. The modules feature high quality constant current driver circuits and integral change-over from the normal mains driver circuit to emergency operation whenever the permanent live supply is lost.

LMpro DALI or SELF-TEST

The **LMpro** module includes fully tested and approved DALI control/reporting. Fully integrated components and the latest software ensure that the **LMpro** equipment can be connected to any approved DALI control system. All ELP **proSeries** modules feature software that permanently 'listens' for DALI signals. With no DALI signal present during initial connection the modules will operate in Self-Test automatically initiating a commissioning mode and then at random times commencing the weekly and annual tests in accordance with EN62034. The built-in real time intelligence ensures that faults such as charge failure, battery failure, etc. will be indicated immediately. However, the **LMpro** module will continually be prepared for a DALI signal which, if received, will result in the Self-Test mode being disabled and the module reverting to the DALI protocol. This means that the **LMpro** module can be connected to a DALI system at anytime and the module can then be addressed and form part of the DALI installation immediately.

As with all ELP equipment the **LMpro** modules are designed for ease of installation offering compact dimensions and push-wire terminals.

NB: All plastic cased **LMpro** modules will be supplied with the H222 detachable terminal cover/cable restraint kits.



Polycarbonate module dimensions:-
178mm (L) x 32mm (W) x 22mm (H)
Fixing centres: 172mm



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LMpro module with /TU option (batteries in a tube)
shown with LDE3/WIDE LED Downlight

Order Codes for LMpro – DALI/Self-Test

	KIT	BATTERIES
1 x LED at 350mA	LM1M350DK	(3.6Volt; 3 x 2Ah cells)
1 x LED at 500mA or 2 x LED at 350mA	LM1M500DK	(4.8Volt; 4 x 2Ah cells)
1 x LED at 700mA	LM1M700DK	(6.0Volt; 5 x 2Ah cells)

Kits are supplied with Nickel Cadmium batteries unless otherwise specified.

/TU Option offers the battery sealed in a tube making the whole kit suitable for remote mounting.

Note: Nickel Metal Hydride (NiMH) batteries are limited to lower operating temperatures than Nickel Cadmium (NiCd) — typically NiMH batteries are limited to an absolute maximum of 50°C; NiCd batteries can withstand continuous temperatures of 55°C.

NiMH batteries also have a shelf life. It is essential that NiMH batteries are not stored for more than six months.

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