

Installing Ecopoint LED Lamps



Ecopoint's LED lamps can offer a cost-effective alternative to investing in fully integrated LED luminaires. However, it is important that appropriate consideration be given to how the wiring for the luminaire is configured to retain adequate safety and ensure reliable long-term performance. These notes provide guidance on the classifications of Ecopoint's LED lamps and recommended installation configurations.

Please note that this guidance applies only to Ecopoint LED lamps with internal drivers.

AS/NZS 60598.2.1:2014 CLASSIFICATIONS:

Amendment 1 of the above Standard was added to update the requirements for double-capped LED lamps and to include essential safety requirements for T8 and T5 lamp converters. According to that Standard, LED lamps are to be classified as either Type A or Type B, as described below.



Type A LED lamps are constructed so that the lamp cap pins at one end of the lamp are **electrically bridged** (the non-powered end), while the pins at the other end of the lamp (the 'Power' end) are connected to the live and neutral supply.

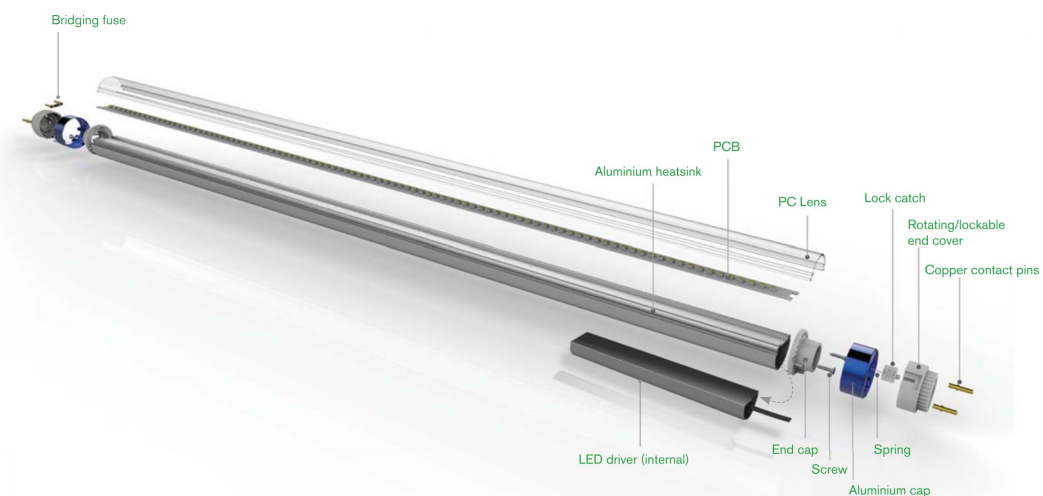


Type B LED lamps are constructed so that the lamp cap pins at one end of the lamp are **electrically isolated** (the non-powered end), while the pins at the other end of the lamp (the 'Power' end) are connected to the live and neutral supply.

According to the Standard, Type B LED lamps were no longer permitted for sale in Australia and New Zealand after the 16th of May 2017. **All Ecopoint LED lamps are classified as Type A**; this is achieved through the use of an internal fuse at the non-powered end of the lamp (the fuse acting as the bridge).

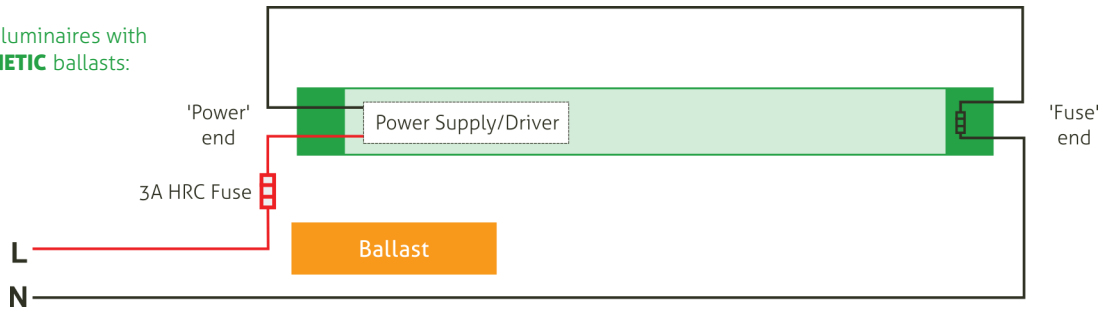
ECOPOINT LAMP CONSTRUCTION:

The diagram below provides an exploded-view outline of the components used in an Ecopoint LED Lamp.

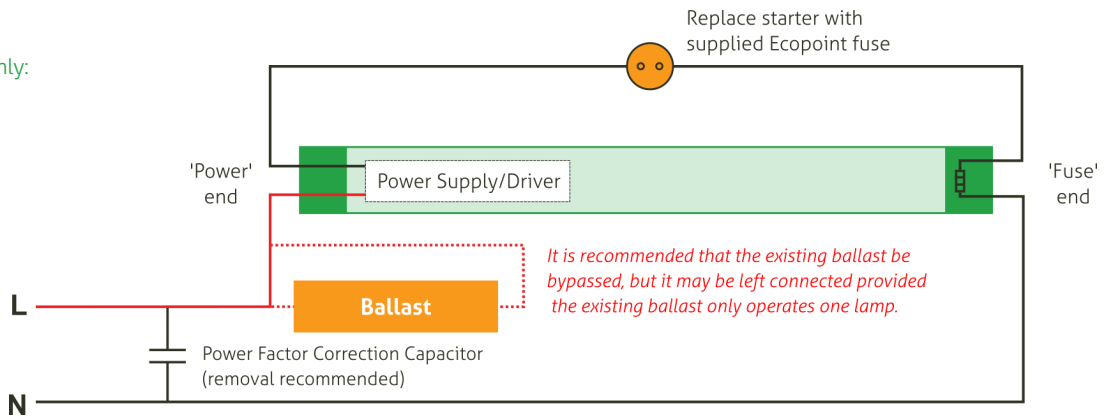


WIRING INFORMATION:

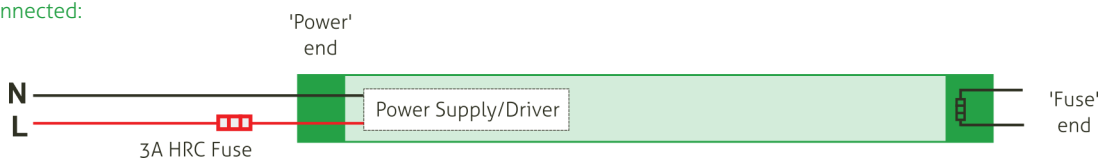
* Recommendation for luminaires with **ELECTRONIC** or **MAGNETIC** ballasts:



* For luminaires with **MAGNETIC** ballasts only:



* Alternative for situations where only one lamp-holder is connected:



NOTES:

1. Fuses must not be accessible when replacing lamps, and must only be accessible through the use of a tool.
2. Supplied Warning Label stickers need to be affixed to the luminaire in a prominent position to prevent accidental re-lamping with conventional fluorescent lamps.
3. 'Power' end of the lamp is identified by embossing on the end-cap (this is the end with the etched logo and label).

** Please note that the information shown here is for advice only; it is the responsibility of the installer to ensure that all necessary provisions of the New Zealand Wiring Rules (or any other relevant regulations) are complied with. A registered electrician must carry out any re-wiring. Ecopoint will not accept responsibility for any modifications made to light fittings.