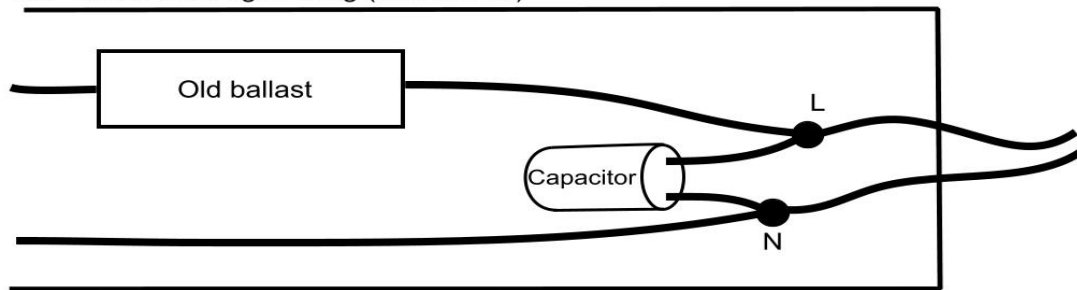


## Basic theory for bypassing most old electromagnetic ballasts and *parallel* power-factor capacitors before fitting T5 adapters

Incoming wiring to ballast only is shown (not circuit-diagram of whole fitting)

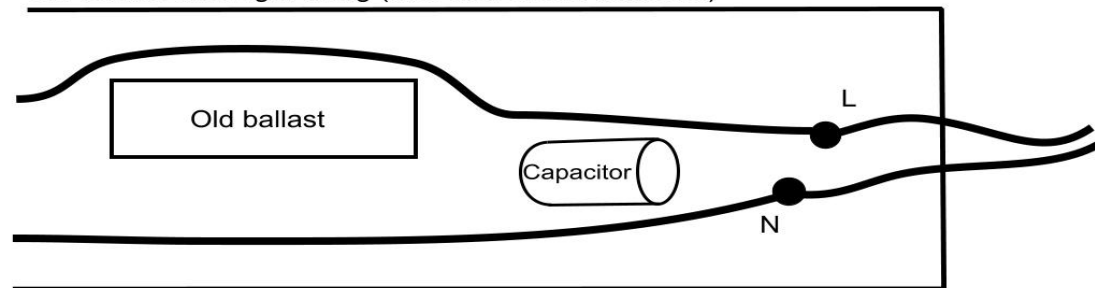
Old 'switch-start' light-fitting (with starter)



Changes to:



Old 'switch-start' light-fitting (also with starter removed)



*This is a basic guide only.*

*Read the latest 'ClickSave instructions and safety' doc in full.*

Light-fittings may have different layouts, and components/ terminals may be in different positions. Also, paths of wiring may be difficult to determine. A qualified electrician must inspect each type of light fitting and make decisions about exact rewiring method for each. He must also inspect any work carried out by any 'trained competent' person he is supervising before any lights are used.

Test one modified light fitting before continuing with more. Monitor behaviour of modified lights over approx one week. Once modified, the light-fitting will no longer be able to operate with a T8 Tube and starter. Clearly label any modified light-fittings to show this. Retain all 're-usable' ballasts and capacitors in a safe place (or safely inside light-fittings) in case future operator wants to revert to T8. The electrician takes full responsibility for modifications as Energy At Work has not inspected inside each light fitting. Making modifications will invalidate any warranty that still exists on your old light-fittings.

Do not use any light-fitting where any internal wiring or hardware such as lamp-holders already show signs of age deterioration or overheating. Report and replace these.