

# E-Box

## Power Optimisation

**E-Box is an energy saving device that fits between the electricity supply and the lighting distribution board. E-Box cleverly combines three separate processes – voltage optimisation, harmonic filtration and power factor correction – to deliver energy savings of up to 30%.**

E-Box can also extend the life of the lighting elements by up to 15%. This reduces the need for lamp replacement as well as the costs associated with disposal and labour.

Investment in the E-Box is typically repaid within 3 years.



**25 month guarantee**

### HOW IT WORKS

The E-box system enables a reduction in electromagnetic interference. It works by regulating the electrical operating magnitudes. The system consists of an electronically controlled static autotransformer that applies the principle of electromagnetic transformation (the no harmonics transformer principle).

E-Box delivers energy savings through reduced wear and tear in the power supply lines, electrical components, control panels and in the luminaries themselves.

This results in...

- Extended lamp life – up to 15%
- Less maintenance and associated labour cost
- Less bulb replacement
- Reduction in bulb disposal

Thanks to its compact dimensions and electrical characteristics, E-Box can be installed without modifying existing installations. E-Box is suitable for both single and 3-phase applications.

### PRODUCT SUMMARY

- ▶ **Energy savings up to 30%**
- ▶ **Single or 3-phase applications**
- ▶ **Automatically tunes itself to fluctuating incoming voltage**
- ▶ **Automatic bypass if supply voltage drops substantially**
- ▶ **Manual bypass**
- ▶ **Delayed start up (allow motors and lamp start-up)**
- ▶ **25 month guarantee**
- ▶ **Improves harmonics to increase life of electronic equipment**
- ▶ **Improves power factor**
- ▶ **Quick paybacks**

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