



Energy savings for Lighting

Compact Light Series



Compact Series



Typical external application



The **E-BOX** was designed to enable you to cut electricity consumption levels drastically and optimise maintenance costs.

It can be applied to light sources such as;

Fluorescent, Sodium vapour lamps, Mercury vapour lamps, Metal halide and Halogen lamps.

The system will not provide savings for high frequency fluorescent fittings

The **E-BOX** can be used indoors and outdoors and has power ratings 0.69 kVA to 138 kVA.

Typical saving are in the order of 20-30%

The system enables a reduction in electromagnetic interference.

It increase expected lamp life so there for significantly reduces maintenance and waste costs

The **E-BOX** is extremely compact and can generally be mounted in the existing electrical cabinet. A suitable enclosure is used if required

It operates by regulating the electrical operating voltages.

The **E-BOX** consists of an electronically controlled static autotransformer that applies the principle of electromagnetic transformation (the no-harmonics transformer principle).

After it has been installed, set up for operation and tested, it does not require any further maintenance or control work.

The system has been successfully installed in the following applications

- Food and agriculture
- Textiles
- Metal and mechanical industries
- Street lighting
- Public lighting
- Tunnels
- Credit institutions
- Airports
- public bodies
- Schools and laboratories

The offer.

Green Energy Ireland will visit your site and carry out an extensive survey to ascertain the suitability of the project. We will then furnish a report with full guaranteed expected savings together with our quotation.

We have our own panel of recommended electricians for your area and can quote for a turn key solution. The **E-BOX** is very simple to install and in house electricians can easily install the system. We will provide all the necessary information.

After installation we will commission the units and prove the system.

The **E-BOX** has no moving parts. This reduces the possibility of failure. In the unlikely event of a problem the system simply goes into bypass and the lighting system is not effected

Lighting can be the major energy usage in many facilities so with guaranteed savings, lower maintenance cost reduction in waste charges it makes sense to contact us immediately.

Payback periods changes from site to site as a lot of factors have to be taken into account, for example the type of lights and amount of hours per day the lights are used. This information and electrical unit cost is inputted into our software package.

The software immediately computes expected savings and payback period.

Typical industrial payback can be as low as 1 year.