



Application Note *for* Energy Savings in Car Parks

**Savings
with the
Right Voltage**

**Reduced Operating
Expenses by 25%
in hundreds of
installations worldwide**

**23% Savings from
Car Park lighting in
Carrefour Markets,
Spain**

**25% Savings in Tesco
Hypermarket Car Park,
Hungary**

**Office Building
saves 24.6% in ten
floor car park in
Tel Aviv**

**Lighting Systems
Fluorescent**



The Right Voltage Solution

Lighting is one of the highest operating costs of parking garages. Average electricity consumption in parking garages is about 2.5-3.5 W per 1 sqm. A 10,000 sqm parking facility consumes about 260,000 KWH of energy annually for 24/7 operation. The LEC is a simple, easy solution that connects directly to the existing electrical panel, and reducing voltage by 25V, with expected saving of 55,000 - 65,000 KWH annually. Lighting levels are maintained at a proper level, while electric consumption is lowered, resulting in 20-25% savings in electricity. Emergency lighting systems can be connected to a separate LEC unit that will control voltage without compromising safety and security. Once installed, the LEC works continuously through long operating hours, reducing costs at all times, and delivering a quick ROI of 1.0-1.5 years.

Benefits

ROI of 1.0 - 1.5 years

Reduce Operating Costs by 25%

Zero Maintenance with years of operation

Simple Installation – within 2 hours the unit is installed and starts saving

Reliable Operation for savings 24/7

Features

Voltage Reduction of 25V allows maximum savings to be achieved.

Constant Control – just plug and play for voltage reduction that works 24/7.

Automatic Protection to bypass the LEC during overload or over-temperature conditions with no interruption to lighting operation.

Emergency Circuit Controller for voltage control and savings on emergency circuits without compromising safety and security.

Product	Range	Voltage Regulation
LEC B	3x30A – 3x160A	Voltage reduction: 25V Automatic bypass, Manual bypass, under voltage protection, Over-load protection
EcoLite	1x6A – 1x16A	Voltage reduction: 25V Typically used for emergency circuits