Application Note for Energy Savings in Car Parks

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

**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.

**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**

<table>
<thead>
<tr>
<th>Product</th>
<th>Range</th>
<th>Voltage Regulation</th>
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</thead>
<tbody>
<tr>
<td>LEC B</td>
<td>3x30A – 3x160A</td>
<td>Voltage reduction: 25V Automatic bypass, Manual bypass, under voltage protection, Over-load protection</td>
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<tr>
<td>EcoLite</td>
<td>1x6A – 1x16A</td>
<td>Voltage reduction: 25V Typically used for emergency circuits</td>
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