



Application Note *for*

Energy Savings in Food & Retail Stores

Savings
with the
Right Voltage

24% Savings in
McDonald's fast food
restaurant

Supermarkets
Save 17% - 22% on
mixed lighting circuits

20% Savings at ACE
Warehouse Stores
with high-bay lighting

Carrefour saves
25% at Convenience
Store operating 24/7

Toys 'R' Us saves
22% on Utility Bill

Lighting Systems
Fluorescent, PL, MH,
Halogen



The Right Voltage Solution

The LEC is an ideal savings device for retail chains, supermarkets, warehouse stores, fast food chains and convenience stores which operate lighting for extended periods of time and usually sublet electricity at higher prices. Such stores have long operating hours resulting in high operating expenses and can achieve immediate savings by using LEC for energy efficiency. In **Fast Food Chains**, such as McDonalds, with all fluorescent lighting fixtures, the LEC can reduce electricity consumption by 24-26%. **Supermarkets** with mixed lighting fixtures of MH, fluorescent and halogen can save 17-22% in lighting energy consumption. **Warehouse stores** with MH fixtures in hi-bay installations can achieve an average savings of 20%. **Convenience stores** with achieve savings on average of 25% as lighting is operated on a 24/7 basis.

Benefits

ROI of 1.5 - 2.5 years

Compact and easy to install

No change to existing infrastructure

One solution for all lighting systems

Features

Controls voltage in all lighting systems including Fluorescent, HPS, PL and MH

Total solution for all areas; storage room, shopping area, office area, warehouse, parking

Easy installation in any electric cabinet or closet

Up to 4 adjustable time windows to use in combination with natural lighting to maximize savings with daylight harvesting

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

Product	Range	Applications	Features
LEC A	3x20A - 3x250A	Large Stores with mixed lighting systems of fluorescent and metal halide	All lighting systems, voltage stabilization, time windows, automatic protections. Reduce up to 35V in steps of 2.5V
LEC B	3X20A- 3X160A	Small and Medium stores Fluorescent, PL, Signage	Easy to install, plug and play, automatic protection, 25V reduction

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