



Application Note *for* Energy Savings in Car Dealerships

Savings
with the
Right Voltage

Audi Dealership
Coral Springs, FL
Saves 22-24%

Energy Star for
Auto Dealers
estimates savings
of:
\$193M in energy
1M tons of CO2

If all dealerships in
the U.S. reduced
energy use by just 10%

Lighting Systems
MH, HPS Fluorescent,
PL, CFL



The Right Voltage Solution

Car Dealerships tend to devour energy with their 24/7 security systems and extensive lighting. The total lighting load of a car dealership constitutes around 70-80% of the total electrical bill. This comes from parking lots operating from dusk to dawn, showrooms open for 14 hours, and service bays operating up to 18 hours a day. The LEC immediately reduces electrical consumption by 15-25% by supplying the right voltage to all lighting circuits; show room, car lots, offices, service bay and pick-up areas. The LEC has adjustable savings levels to optimize light intensity according to needs; higher for nighttime sales, lower for ambient lighting and night security. Built-in astronomic clock can turn lights on and off according to sunrise and sunset adding additional savings on electrical consumption. The LEC works on all lighting systems with no change to existing infrastructure and retains the quality of lighting for true coloring rendering of all cars. By using the LEC, dealers can put energy savings back into profits, and demonstrate their concern for the environment.

Benefits

Reduce energy consumption by 15%-25%

Retain quality of lighting for true color rendering

Compatible with all lighting systems existing MH, new Pulse Start systems, and ceramic MH

ROI of 1.5 - 2.5 years

Features

Voltage stabilization for better lamp performance

Full facility coverage: show rooms, car lots, offices, reception area, service bays and customer pick-up lots

Adjustable savings levels dims lights according to needs of sales, operations, and security

Daylight harvesting reducing voltage to lamps when daylight is available

Astronomic clock turns outside lights on and off according to sunrise and sunset

Product	Range	Features
LEC A/LEC A Delta 240V LEC A Tp 277V	3x20A - 3x250A	All lighting systems, voltage stabilization, time windows, astro-clock, automatic protections. Reduce up to 35V in steps of 2.5V
LEC A Dual	3X20A- 3X80A	Full functionality of LEC A, plus support for dual lighting circuits

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