

An Example of an Actual Spar Superstore Lighting Audit

MONTHLY SAVING - based on present electricity tariffs

No of lamps on site	Total Present Lighting Cost	Total LED Lighting Cost	Potential Saving	% Saving
829	R 9,115.14	R 3,678.63	R 5,436.51	59.64

ANNUAL SAVING YEAR 1 - based on present electricity tariffs

No of lamps on site	Total Present Lighting Cost	Total LED Lighting Cost	Potential Saving
829	R 109,381.71	R 44,143.59	R 65,238.13

SAVING BASED ON LIFE OF LED'S - based on present electricity tariffs

No of lamps on site	Total Present Lighting Cost	Total LED Lighting Cost	Potential Saving
829	R 1,813,450.50	R 731,861.00	R 1,081,589.51

NOTE : * Power consumption per fluorescent tube based on energy consumption for tube and ballast/choke
 No provision has been made for maintenance, replacement of fluorescent tubes or ballasts/choke
 or starters or associated labour costs.

IMPACT ON CLIENT'S CARBON FOOTPRINT BY CHANGING TO LED'S

	Present Lighting	LED Lighting	Reduction/ Savings	% Reduction
Kwh	2722080.00000	1098560.00000	1623520.00000	59.64
Carbon Dioxide Emissions tonnes	2545.19056	1027.17207	1518.01849	59.64
2 Trees per tonne of CO ² = trees	5090.381127	2054.344138		
Total Trees	12,955,990.01	2,110,164.92		