

An Example of an actual Hotel 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
4013	R 49,028.45	R 7,606.24	R 41,422.21	84.49

ANNUAL SAVING YEAR 1 - based on present electricity tariffs

No of lamps on site	Total Present Lighting Cost	Total LED Lighting Cost	Potential Saving
4013	R 588,341.41	R 91,274.85	R 497,066.56

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
4013	R 6,758,327.23	R 1,048,481.91	R 5,709,845.32

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 OVER LIFESPAN OF LED'S

	Present Lighting	LED Lighting	Reduction/ Savings	% Reduction
Kwh	1923516.81031	204405.37000	1719111.44031	89.37
Carbon Dioxide Emissions tonne	1798.52056	191.12246	1607.39810	89.37
2 Trees per tonne of CO ² = trees	3597.041112	382.2449148		