

ENERGY SAVING LIGHTING ENERGY SAVING CALCULATOR

Compare Energy Savings, CO₂ and Payback over the average life of an energy saving fitting

Project title:	10m x 8m Office, 16 Fittings, 64 x 600mm Tubes
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Enter your data here:	Current 18w Tube	Energy Saving 8w Tube
Tube purchase price, £:	4.08	37.08
Tube guarantee years	0	5
Average tube life hours	2000	50000
Fitting Watts including gear (4 Tubes per fitting)	72	32
Cost of replacement tube, £:	4.08	0.00
Cost of labour to replace tube, £:	26.50	0.00
PC - Sum Cleaning/fitting/year £:	0.00	0.00
Electricity cost per kWh in PENCE:	14	
Total no. of tubes to compare:	64	64
Burning hrs per day:	10.00	10.00
- days/wk	5.00	5.00
- wks/yr	51.00	51.00
Total hrs/yr:	2550.00	2550.00

Results		Current Fitting	Energy Saving Fitting
- Energy cost/yr	£	25.70	11.42
- Re-Lamp cost/yr	£	5.20	0.00
- Re-lamp labour cost/yr	£	33.79	0.00
- Fitting cleaning/yr	£	0.00	0.00
Cost of ownership/fitting/yr	£	64.69	11.42
Savings/fitting/yr for	19.6 Years	£ 53.27	
Total Savings/yr for	19.6 Years	£ 3409.25	

Total Energy Savings(kWhrs/yr)

6,528

INSTALLATION PAYBACK PERIOD (YEARS)



COST OF OWNERSHIP AND SAVINGS PER YEAR FOR TOTAL NUMBER OF FITTINGS



CO₂ SAVINGS (TONNES/YEAR based on 0.54418Kg CO₂/kWh)

