

# Save It Easy®

## Simple Payback and Savings Calculation Model

This model can be used to indicate the potential savings and payback which could be achieved from the installation of Save It Easy® e-ballast conversion fittings against an existing lighting system. This is for illustration purposes only and certain assumptions have been made, which are detailed below.

A broader assessment of your energy management requirements can be provided through Energys Ltd, our consultancy company.

### Company/Site Details

Company:	Convention Centre Example		
Address:	London area		
Contact:	Enquirer	Tel:	0000 00000
Position:	Energy Manager		
Email Address:	<a href="#">As supplied</a>		

Completed by:	Steve Adams
Date:	28/03/2007
Tel:	01306 621546
Fax:	01306 621525
Email Address:	<a href="mailto:sadams@energysgroup.com">sadams@energysgroup.com</a>

### Operating Hours

Hours/Day	15.00
Days/Week	7.00
Weeks/Year	52.00
Annual Operating Hours	5,475

### Existing Installation Details

Lamp	Wattage	No. of lamps	Ballast Type	No. of lamps	Ballast Type
2ft	18				
	20				
3ft	30				
4ft	36				
	40				
5ft	58	1,314	Switchstart		
	65				
	70				
6ft	70				
	80				
	85				
8ft	75				
	85				
	100				
	125	10	Switchstart		
<b>Total Lamps</b>				<b>1,324</b>	

### Maintenance Cost & Electricity Tariff

Your Maintenance Labour Hourly Rate	£26.50
Electricity Unit Price (p/kWh)	7.000
Climate Change Levy (CCL) Charged?	Yes
CCL Rebate received (if applicable)	0%

### Save It Easy® Installation Cost

Select Installation Cost Method	Use Maintenance Labour Hourly Rate
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	Average Life (hours)	Installation Time per lampway (minutes)
<b>Existing Installation</b>		
Starter	5,000	1
Lamp	10,000	10
<b>Save It Easy® Installation</b>		
Save It Easy®	50,000	10
Lamp	20,000	
Starterless Kit	N/A	2

### Assumptions/Exclusions:

1. Electricity unit price and lamp prices do not vary during the project term.
2. Your labour hourly rate does not vary during the project term.
3. Ceilings do not exceed 2.4 metres in height (installation cost will vary above this height).
4. Interest is excluded from this calculation.

For more information on Save It Easy® products contact:



**Energy Conservation Solutions Ltd**  
 Unit 8 Jayes Courtyard, Jayes Park, Ockley, Surrey RH5 5RR  
 Tel: 01306 621546 Fax: 01306 621525  
 Website: [www.ecsl.uk.com](http://www.ecsl.uk.com) Email: [info@ecsl.uk.com](mailto:info@ecsl.uk.com)

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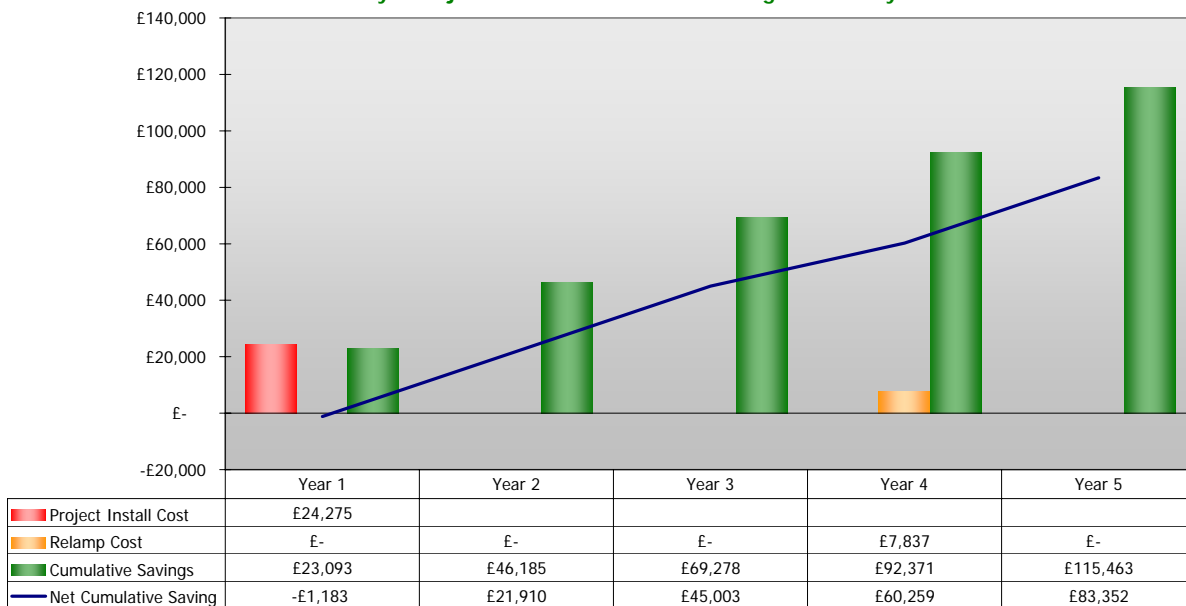
## Simple Payback and Savings Calculation Model Result

Installing Save It Easy® e-ballast conversion fittings will give a payback of 1.05 years (12.6 months) on an investment of £24,275, with a total saving in the region of £170,195 and 945 Tonnes CO2 over the estimated project life of 9.1 years.

### Costs and Savings

		Year 1	Year 2	Year 3	Year 4	Year 5
<b>Existing Installation</b>	Annual Energy Consumption	526,301 kWh	526,301 kWh	526,301 kWh	526,301 kWh	526,301 kWh
	Annual CO <sub>2</sub> Emissions	226.3 Tonnes	226.3 Tonnes	226.3 Tonnes	226.3 Tonnes	226.3 Tonnes
	Annual Energy Cost	£ 36,841	£ 36,841	£ 36,841	£ 36,841	£ 36,841
	Annual Product Cost	£ 1,280	£ 1,280	£ 1,280	£ 1,280	£ 1,280
	Annual Labour Cost	£ 3,842	£ 3,842	£ 3,842	£ 3,842	£ 3,842
	Annual CCL Cost	£ 2,321	£ 2,321	£ 2,321	£ 2,321	£ 2,321
	<b>Total Cost</b>	<b>£ 44,284</b>	<b>£ 44,284</b>	<b>£ 44,284</b>	<b>£ 44,284</b>	<b>£ 44,284</b>
<b>Save It Easy® Installation</b>	Annual Energy Consumption	284,788 kWh	284,788 kWh	284,788 kWh	284,788 kWh	284,788 kWh
	Annual CO <sub>2</sub> Emissions	122.5 Tonnes	122.5 Tonnes	122.5 Tonnes	122.5 Tonnes	122.5 Tonnes
	Project Install Cost	£ 24,275				
	Relamp Cost	£ -	£ -	£ -	£ 7,837	£ -
	Annual Energy Cost	£ 19,935	£ 19,935	£ 19,935	£ 19,935	£ 19,935
	Annual CCL Cost	£ 1,256	£ 1,256	£ 1,256	£ 1,256	£ 1,256
	<b>Total Cost</b>	<b>£ 45,466</b>	<b>£ 21,191</b>	<b>£ 21,191</b>	<b>£ 29,028</b>	<b>£ 21,191</b>
<b>Savings</b>	Consumption Saving	241,513 kWh	241,513 kWh	241,513 kWh	241,513 kWh	241,513 kWh
	CO <sub>2</sub> Emission Saving	103.9 Tonnes	103.9 Tonnes	103.9 Tonnes	103.9 Tonnes	103.9 Tonnes
	Energy Saving	£ 16,906	£ 16,906	£ 16,906	£ 16,906	£ 16,906
	Existing Installation Product Saving	£ 1,280	£ 1,280	£ 1,280	£ 1,280	£ 1,280
	Labour Saving	£ 3,842	£ 3,842	£ 3,842	£ 3,842	£ 3,842
	CCL Saving	£ 1,065	£ 1,065	£ 1,065	£ 1,065	£ 1,065
	<b>Cumulative Savings</b>	<b>£ 23,093</b>	<b>£ 46,185</b>	<b>£ 69,278</b>	<b>£ 92,371</b>	<b>£ 115,463</b>
	<b>Net Cumulative Saving</b>	<b>-£ 1,183</b>	<b>£ 21,910</b>	<b>£ 45,003</b>	<b>£ 60,259</b>	<b>£ 83,352</b>

Save It Easy® Project Cost and Cumulative Savings over five years



For more information on Save It Easy® products contact:



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