

LED LIGHTING



Cost Saving Calculator

7W LED VS 50W Halogen Example

| | Example | | Calculator | |
|---|------------------|-----------------|------------|-------------|
| | 7W LED | 50W Halogen | 7W LED | 50W Halogen |
| Wattage | 7 | 50 | 7 | 50 |
| kW | 0.007 | 0.050 | 0.007 | 0.050 |
| Operational Hours per Month* | 140 | 140 | 140 | 140 |
| kWh | 1.0 | 7.0 | 1.0 | 7.0 |
| Cost of Energy per kWh (£) | 0.14 | 0.14 | 0.14 | 0.14 |
| Monthly Cost Per Fitting (£) | 0.14 | 1.00 | 0.14 | 1.00 |
| Multiply the Monthly Cost (£) by No. Fittings | X | X | X | X |
| No. Fittings | 10 | 10 | | |
| Total Cost per Month (£) = | 1.40 | 10.00 | | |
| Total over 10 years (£) | 168.00 | 1,200.00 | | |
| <u>Energy Cost Savings</u> | £1,032.00 | | | |

| Maintenance Costs | | |
|---|------------------|-------|
| Lamp Cost | N/A | £1.10 |
| No. of replacements over 10 years (based on life expectancy of 4,000 hrs) | N/A | 42 |
| Cost over 10 years (£) | N/A | N/A |
| Total LED 7W Saving over 10 years | £1,078.20 | |
| Payback period | 2.6 years | |

Tel: 01233 665107

Terry Baker Electrical Contractor Ltd.

130a Godinton Road, Ashford, Kent. TN23 1LJ

www.tbelectrical.org.uk