Lowick & Slipton Parish Council LED Upgrade - Summary

Data

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Electricity Running Cost (Kw/h)</td>
<td>£ 0.1398</td>
</tr>
<tr>
<td>Maintenance Cost per Year (Existing Lamps)</td>
<td>£ 42.00</td>
</tr>
<tr>
<td>Burn Hours Per Year</td>
<td>4,800</td>
</tr>
<tr>
<td>Proposed Burn Hours Per Year (Dimmed)</td>
<td>1,600</td>
</tr>
<tr>
<td>Proposed Burn Hours Per Year (Full Power)</td>
<td>3,200</td>
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Costs

<table>
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<tbody>
<tr>
<td>Current Energy Costs</td>
<td>£ 1,604.04</td>
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<tr>
<td>Proposed Energy Costs</td>
<td>£ 251.75</td>
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<td>Energy Savings per Annum</td>
<td>£ 1,352.29</td>
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<td>Maintenance Savings per Annum</td>
<td>£ 1,050.00</td>
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<tr>
<td>Scheme Install Cost</td>
<td>£ 8,295.75</td>
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| Payback Period (Years)                     | 3.45    |

A recent installation by Altitude Services.
Axia 2 luminaires at Keele University
## Lowick & Slipton Parish Council LED Upgrade - Proposed Costs

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Unit</th>
<th>Rate</th>
<th>Total</th>
<th>Circuit Watts (100%)</th>
<th>Circuit Watts (Dimmed)</th>
<th>Circuit Watts PA (100%)</th>
<th>Circuit Watts PA (Dimmed)</th>
<th>Total kw/h per Annum</th>
<th>Unit Energy Cost per Annum (£)</th>
<th>Total Energy Cost per Annum (£)</th>
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<tbody>
<tr>
<td>Replace existing 70w Son luminaire with new Schreder Axia Gen 2 8LED c/w photocell. Programmed to dim to 50% between 2200hrs and 0600hrs.</td>
<td>1</td>
<td>no</td>
<td>331.83</td>
<td>331.83</td>
<td>18</td>
<td>9</td>
<td>57,600</td>
<td>14,400</td>
<td>72.00</td>
<td>10.07</td>
<td>10.07</td>
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<tr>
<td>Replace existing 80w MBFu luminaire with new Schreder Axia Gen 2 8LED c/w photocell. Programmed to dim to 50% between 2200hrs and 0600hrs.</td>
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<td>no</td>
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<td>7,963.92</td>
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<td>241.68</td>
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**Total**

| 8,295.75                                           | 251.75 |
Lowick & Slipton Parish Council LED Upgrade - Existing Lighting Schedule

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<tr>
<th>Area</th>
<th>Asset Number</th>
<th>Existing Lantern Type</th>
<th>Circuit Watts</th>
<th>Total kw/h</th>
<th>Total kw/h per Annum</th>
<th>Energy Cost per Annum (£)</th>
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<td>Lowick &amp; Slipton</td>
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<td>70w Son luminaire</td>
<td>86</td>
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