

Appendix 1 – Summary Lighting costs

Running Costs per year for the Existing Lighting within the Arena

Section	Existing lighting	No. Req'd	Watts	Approx. Power Used (W)	Total Power Used (W)	Annual Running Hours	Total kWh consumption	Unit cost of electricity	Total Cost
Main Arena	400 watt lowbay Metal Halide	182	400	440	80080	1224	98,017.92	£0.17	£16,663

Forecasted Running Costs per year based on Energy Efficient LED Lighting

Section	Proposed Lighting	No. Req'd	Watts	Approx. Power Used (W)	Total Power Used (W)	Annual Running Hours	Total kWh consumption	Unit cost of electricity	Total Cost
Main Arena	150 watt LED Highbay fitting	182	150	150	27300	1224	33,415.20	£0.17	£5,680

Installation Costs for the new Fittings

- Material costs for new LED fittings - **£25,480** (182 x £140 (cost per fitting))
- Estimate cost for the labour and plant hire costs - **£15,000**

Summary of Costs without Energia grant on Materials

Project Investment (materials only)	£25,480
Project Investment (labour & plant hire)	£15,000
Total Project Spend	£40,480

Current electric Spend	£16,663.05
Post investment electric spend	£5,680.58
Potential annual saving	£10,982.47

Payback on total overall investment – 3.69 years

Summary of Costs including 20% Energia grant on materials

Project Investment (materials only)	£20,384
Project Investment (labour & plant hire)	£15,000
Total Project Spend	£35,384

Payback on total overall investment – 3.22 years