



## LED Lighting Case Study – Albert Darnell Ltd

**Outline: System:** 60x Procure Direct 100W Retro Fit Lowbay

Flixborough Eco Technologies’ work at Albert Darnell, on the Europarc in Grimsby, illustrates what we can offer. The 185kW Solar PV installation follows the introduction of LED lighting, with the intention of eventually converting the whole site. Our team of energy saving experts continue the good work and set about the installation of 60 retrofit 100W lowbay lamps and fittings and luminaires which were still in great condition.



A £300,000 Solar investment makes Albert Darnell Ltd completely energy self-sufficient

With an investment of only £5,600 Albert Darnell were able to save over £6,000pa with only a 6 day week. The firm have now increased to a 24/7 operation which in the long term will reduce running costs.

“Obviously, our kind of business demands the use of a lot of power, and the costs per year are very high,” said General Manager, Mark Rodgers.

Mr Rodgers says that given the day to day operation costs of running such a large business, it takes long-term thinking and vision to commit to such an investment.

“I don’t imagine there are many companies, if any, in our line of work putting this sort of investment into renewable energy and energy efficiency, but we have looked at the long-term benefits, savings and incomes and they are significant,” he said. “It shows that as a company, our vision is long-term. It is also important for us in terms of our Corporate Social Responsibility and further underlines our commitment to responsibly sourcing and sustaining our products.”



ALBERT DARNELL LTD



## System Performance - Zonal Summary

Zones	Cost	Hours	Installed Annual Usage (kWh)	New Annual Usage (kWh)	kWh Savings (kWh)	Cost Savings pa (£)	Return on Investment (yrs)
<b>Main Filleting Hall</b>	£5,600	7488	92,252	20,966	71,286	£6,059	0.92

**Brand:** Procure Direct

**Model:** 100W Retro Lowbay

### 100 Watt:

- ❖ Samsung LED Chip
- ❖ 10500 Lumen
- ❖ 4000K Cool White
- ❖ LM80 Tested
- ❖ 105lm/w
- ❖ CRI>80
- ❖ Inbuilt Circuit Protection
- ❖ No Mercury or UV Light
- ❖ Can be used within closed fitting
- ❖ 3 Year Warranty

