



## LED Lighting Case Study – HW Specialist Joinery

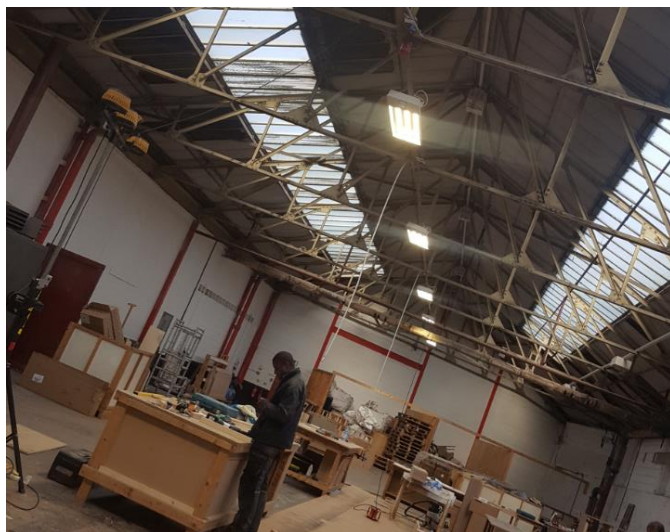
**Outline: System:** 57 Luceco LuxBays

Flixborough Eco Technologies completed a LED Lighting installation at HW Specialist Joinery in Holmfirth. The units provided in this project were the Luceco 150W Luxbay.

The existing light levels were between 60 and 100lux which for a precision joinery shop was far too low. After discussions with the client and guidance from ourselves, they opted for a 500lux system which would provide enough light for accurate measuring and cutting.

The factory has frequent changes in output. Different areas of the factory are used at different times; we therefore installed individual PIRs on each unit which will predictably reduce the consumption by a further 50%.

The lamp change and sensor savings from this system are £5,123 with a return on investment of 4.59 years. This sounds high for a lighting scheme however we have increased the lighting levels by an average of 400lux over the full floor area.



### Highlights:

Scheme Value: £23,650

Savings PA: £5,145

ROI: 4.59yrs

Carbon Trust Funding: £3,548

Annual Investment Allowance Saving: £4,731

Theoretical Cost: £15,375.75

Theoretical ROI: 2.98yrs