

PECK & STRONG, Baking Brilliance

Peck & Strong is a great success story and continues to confound the prevailing gloomy economic landscape: An Exeter based company, Peck & Strong makes - by hand - Cakes, Shortbreads, Flapjacks and Vegetarian Flans and Pies. They have a strong quality ethos, extending from their selection of ingredients, through all aspects of the business including their relationship with the environment.

Peck & Strong have a 50kw Photovoltaic installation on their roof and they reduce their carbon emissions in every way they can. The remaining carbon footprint they offset through ClimateCare. The company moved into a large purpose-developed facility in 2009 and found their lighting represented a large power consumption. Given their committed environmental ethos, the conversion to LED was a natural step.



Summary

Original fitting – 25 x 400W SON

LED fittings – 15 x 150W Dialight LED High Bay with dome lens.

Mounting height – 4.8 metres



Before

After

Food Production Case Study

The key objectives at **Peck & Strong** were to secure a long term, sustainable lighting technology to replace the ageing existing HPS fittings, to reduce the energy consumption on site, to reduce the maintenance costs and to improve light quality. These objectives were all met through the deployment of the Dialight 10,000 lumen High Bay, equipped with the dome lens to ensure uniformity of light quality across the bakery. The use of the dome lens, ensured that Ocip Energy Ltd was able to reduce the total number of fittings. Until the deployment of the LED lights, the business had sought to reduce energy consumption by “turning off” banks of lights.

The LED High Bays have reduced the energy consumption on site by 42,120KWh per annum and from an ethical perspective, the UK manufactured LEDs are now saving 21.90 tones of CO2. In this particular case, payback on the investment will be achieved in under 12 months.

Founder John Peck says: “The volume and quality of light is definitely much improved and we look forward to reductions in carbon emissions and expenditure”

REDUCE

operating & maintenance costs

FAST

return on investment

REDUCE

carbon footprint and costs of carbon tax

IMPROVE

light quality