

Glatfelter Paper Mill

Dialight LED High Bays deployed in the most hostile of industrial environments, help to reduce energy costs and improve the working environment for this global leader in speciality papers.

Following extensive trials of a number of leading LED manufacturers, the management at Glatfelter selected the Dialight LED High Bays to light up their Machine Halls and replace the aging 400W SON High Bay fittings. Apart from the poor light quality of the existing fittings, maintenance access to replace light bulbs and carry out routine maintenance was restricted to the bi-annual factory shut-downs. Many of the fittings are located in positions above the main paper machines and virtually inaccessible without specialist lift equipment. By replacing with the Dialight LEDs, Glatfelter's electricians can now concentrate on more important activities rather than changing light bulbs.



Before

Summary

Original fitting – 44 x 400W SON

LED fittings – 44 x 172W Dialight LED High Bay

Mounting height – 9.5 metres



After

Paper Manufacturer

Glatfelter is a global brand in paper and is committed to growing the business responsibly with the motto "Beyond Paper" and through their sustainability practices.

The Lydney Paper Mill in Gloucestershire is the leading manufacturer of beverage papers in the world, but operates in an extreme industrial environment. Apart from the obvious advantages of the Dialight LED products in terms of life of product, IP rating and durability, the operating temperature range was key to success in being selected. With summer operating temperatures at ceiling height reaching 50C, Dialight's temperature compensation technology protects the luminaires from heat damage and maintains the lifespan of the fittings.

The success of the project has allowed Glatfelter to reduce electricity consumption in the Machine Halls by 168,521KWh and saving over £11,000 per annum in lighting costs alone. With the factory operating around the clock and throughout the year, the lack of maintenance has also greatly increased the efficiency of the site.

By the nature of the work, many of the Glatfelter staff work in an environment where there is no natural daylight. With the new LED fittings, the staff have seen the most noticeable improvement in working conditions and quality of light.

REDUCE

operating & maintenance costs

FAST

return on investment

REDUCE

carbon footprint and costs of carbon tax

IMPROVE

light quality