



Redenhall with Harleston Town Council

Streetlights conversion to LED

Redenhall with Harleston Town Council (the Council) currently owns 305 lighting columns and lanterns in the town and is responsible for the replacement, repair and maintenance of them. Currently, the majority of streetlights are powered by SOX standard gear which is being discontinued over the next year to make way for the more efficient LED lights you can now purchase. Faced with the discontinuation of our standard lamps, the council made the decision last year to change to LED lighting in the town and a lot of work was put into finding the right light for a town such as ours. After some trial and error with samples being fitted and finding the right colour temperature, the Council settled on the Axia 16 LED 390mA – 20W lantern using an 8 LED warm white colour

The Council has already started a programme of replacement lights, using the above LED's but believes it would be advantageous to convert all the streetlights to LED power over a few months instead of over a few years, this will have both financial and environmental benefits, as well as offering residents a more reliable service.

Financial

Our contractors have advised that the lower electricity demand to power the LED units should result in a 70% reduction in annual energy costs, currently approximately £18,000 per year. Due to the dispersed nature of the streetlights, the supply is unmetered, and is supplied by E.ON, one of very few energy suppliers who provide such a service for Councils. E.ON have confirmed that they will adjust the electricity bill in accordance with the conversion. This will give the Council huge savings in the electricity costs.

There will also be savings on maintenance due to the enhanced reliability and longer life of the LED lights, and may save money on contractor costs as there will be less call-outs.

Environmental

The 70% reduction in energy consumption will lead to a significant saving of energy usage, contributing to the national need to take actions to reduce global warming and its disastrous environmental impacts. The Council feel that this is an important thing to do and are looking at other ways to improve its contribution to reducing its impact on the environment and preserving natural resources.

Reliability

The LED units are more reliable and have a longer life expectancy and will therefore require less regular maintenance. Currently, failure of lights occurs weekly in various parts of the town and is a great inconvenience to residents, especially during the winter months when the nights draw in earlier.