

CASE STUDY – Rexam Beverage Can, Waterford



Annual Savings: €17,200 Payback: 1.8 Years

The Project:

Rexam is the world's second largest consumer packaging group and is a leading global beverage can maker. Its Irish Operation is based in Waterford and has 24-hour manufacturing at this facility. With extensive lighting required at this facility, the energy costs were reviewed, and it was decided to look at replacing all the Metal Halide 400-watt fittings with HiBrite Fluorescent 210-watt fittings.

Implementation and Project Savings:

After a successful small-scale trial at the facility showed that energy savings of 60% were achievable and light levels were measured to ensure the level of lighting would not be compromised, Rexam gave the go-ahead for 20 HiBrite fittings to be trialed. Once the trial was completed, a further 120 were installed into the manufacturing area within an impressively brief two-week period.

As a result of installing HiBrite fixtures as a replacement for HID 400-watt fittings, annual energy cost savings of €17,200 and CO₂ emissions savings of 22 tonnes have been made. This installation covered the full manufacturing area in the plant.

Project Payback and Comments:

Including annual maintenance cost -: 1.8 years.

Quote: Henry O'Sullivan, Quality Manager, Rexam Beverage Can.

It has been a pleasure working with Energy Sense Ireland who have helped us make considerable savings in our Plant Lighting operating costs. As Quality Manager, it was important for me to ensure that the savings did not result in any loss of illumination in key areas. In fact, close proximity high-frequency low-energy lighting produces higher levels of local lighting.

There are a few more opportunities that we will be exploring with ESI.