

Case Study

INDUSTRIAL ELECTRICAL



Summary



Industry:	Industrial Electrical
Application:	Bespoke Lighting Solutions
Actual Saving:	£150,000
Payback Period:	N/A



ERIKS Lighting Solutions

ERIKS provide a Bespoke Lighting Solution for a Leading Food Manufacturer

ISSUE

A leading food manufacturer was planning on installing a new energy-efficient lighting system at one of its highly-automated production facilities. The order was estimated at £400,000. ERIKS were asked to prepare an alternative quote for the project. Our experts managed to find a quick and efficient solution for the customer's specific requirements, related to compliance with the food industry standards.

One of the main aims was to remove any materials that the company deemed potentially harmful to their process. Normally, industrial light fitting bodies are made from GRP (glass reinforced polyester). Although no risk of contamination from glass has been recorded to date, the customer preferred not to use this material because of the potential harm. This is why they had traditionally been using a more expensive lighting option- aluminium bodies.

The normal stainless steel clips were not a preference in this case as well so the company had been using a bolt through system that made it impossible for it to fall from the fitting.

OUTCOME AND BENEFITS

The result of the project was that the customer received a brand new, energy-efficient lighting system which provided them with major energy and cost savings. In fact, the cost of the project saved the company £150,000 compared to the original proposal and they expect to save about 1.6 million kWhrs of energy in the future.

Moreover, the downtime was reduced to a minimum so the customer avoided the production loss from the project due to the quick and successful installation of the system.



SOLUTION

ERIKS worked together with a key supplier to design a fitting with a polycarbonate body and a clip in diffuser that retained the IP65 seal which ensured the safety concerns were overcome. Furthermore, a more energy efficient T5 solution in place of the old T8 system was proposed and supplied the fitting ready built up, complete with cabling and suspension hooks, which meant that they could be fitted very quickly and in turn significantly reducing downtime. The polycarbonate was used instead of GRP to guarantee that the customer's specific requirements were met and to avoid the use of dangerous materials as well.

The customer company also insisted on keeping production shut-down to a minimum. This is why ERIKS delivered all fittings (the exact figure was close to 3,000) not only pre-wired but with the tubes inside them and suspension hooks in place. This reduced the installation time significantly and ensured that production shut-down was kept to a minimum.

MORE INFORMATION

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