

Stargate LED highbay



Case Study: Surf Hardware warehouse LED high bay lighting upgrade

Stargate delivers project payback in under 9 months with ESC rebates

Project Overview

150W Stargate high intensity LED highbay lights were installed by enLighten Australia to replace 400W metal halide high bay lighting in the Northern Sydney warehouse for Surf Hardware P/L.

The lighting upgrade project drivers were to reduce energy consumption, improve lighting levels and reduce the lamp replacement costs of the ageing metal halide lighting, which had been in place for over 12 years.

A google search brought the Stargate LED high bay to the attention of Surf Hardware's Global Supply Chain Manager.

The key decision factors were the Stargate's operating life of over 50,000 hours, 5 year warranty and IPART approval for ESC certificate generation.

"After having a number of the fixtures fail plus having to regularly replace the globes of the 400W high bay lights, we decided to look at options to replace them either with like for like fixtures or LED lights. The pricing comparison with the Government rebate meant the replacement of all lights in the warehouse with the Stargate lights was more cost effective than just replacing the few broken 400w units. Added to this enLighten Australia were very prompt and efficient with their response, which made the decision to change very easy. The difference in the lighting is night and day, which has made for a significantly safer work environment."

*Global Supply Chain Manager
Surf Hardware P/L*

FAST FACTS

Project Payback:
ROI: 0.9 years

Savings:
Energy

67%

Electricity Saved:
15,536 kWh pa

Total: **\$92, 823**
Energy & maintenance over 10 years

Savings per fitting:
\$442 pa
Avg annual energy & maintenance saving over 10 years

www.enlighten.com.au

1800 365 444



The Solution

The 150W Stargate produced light output equivalent to the 400W metal halide fittings, which were suspended high bay fittings.

The warehouse operates for around 10 hours per day Monday to Friday, which was within the 5,000 annual operating hours cap under the NSW Energy Savings Scheme. The full lighting energy savings could be converted into Energy Savings Certificates and rebates.

The lighting levels produced by the Stargate LED high bay were measured to exceed requirements to comply with AS1680.2.4 for pallet racking, packing & dispatch activities within the warehouse.

The metal components and the lamps of the original metal halide fittings were recycled, as required under the NSW Energy Savings Scheme.

About enLighten

Our passion is delivering energy savings through intelligent LED lighting solutions.

We are a privately owned Australian innovations company with over 1400 installations nationally since 2008.

The enLighten service offering includes product design, manufacture & supply, installation, audit & project lighting



Existing 400W metal halide fittings



150W Stargate in warehouse entry



150W Stargate at 11m hanging height



150W Stargate at 5m mounting height

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