Warehouse Lighting Upgrade

DB Schenker Alexandria, NSW

DB Schenker required a lighting retrofit solution that delivered reduced energy consumption and maintenance costs whist significantly improving the overall lighting quality.

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Opportunity

DB Schenker offers global logistical services and operates in over 130 countries worldwide. It currently has 19 facilities located throughout Australia and three in New Zealand.

Aglo Systems began its relationship with DB Schenker Australia two years ago as the company continues to undertake growth plans.

Solution

Aglo Systems carefully assessed DB Schenker's large 12,000m² warehouse in Alexandria (NSW) and identified a number of opportunities for the retrofit including daylight and motion sensors installed in each individual fitting.

The outdated 400W metal halide highbays were updated to the premium 150W Europa and 150W Empire LED High bays for the main warehouse area. For exterior security in the car park and canopy area lighting, 150W Palida floodlight and additional Empire high bays were installed.

Benefit

DB Schenker was pleased with the new Aglo LED lighting, as they had less reliance on electricians maintaining malfunctioning light fittings in the facility, and look forward to not having to manage lighting issues for the 50,000 hour operational lifetime of the fittings.

With the added external flood lighting, staff felt more secure when arriving and leaving the facility in the early morning and evening hours.

The LED upgrade achieved 66% in annual energy savings and reduced the overall maintenance costs by up to 80%.

With the lighting redesign, the number of light fittings were reduced by 15% and by installing Europa, our LED linear fitting specific for racks, DB Schenker achieved 200 lux levels which significantly improved the visibility throughout the site (exceeding normal Australian standards).
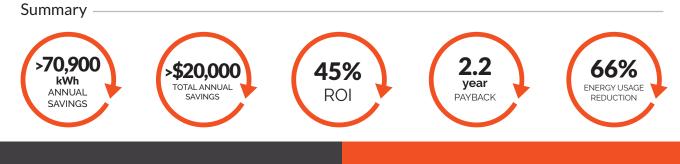
Products Used

Pailda 150W LED Floodlight

Empire LED High Bay

Europa LED Linear High Bay

Summary

>**70,900** kWh
ANNUAL SAVINGS

>**$20,000**
TOTAL ANNUAL SAVINGS

45%
ROI

2.2 year
PAYBACK

66%
ENERGY USAGE REDUCTION

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