



LIGHTING
EFFICIENCY
UPGRADES

Warehouse Lighting Upgrade

Yusen Logistics Wetherill Park, NSW

Yusen Logistics required a reduction in energy usage to ensure operational viability that met financial, environmental and compliance requirements.



*Continually improving
your lighting experience*

“ Aglo Systems allowed us to reduce our energy consumption in our warehouse, whilst improving visibility on what we were doing on the warehouse floor and our ability to work in a very safe, well-lit environment.”

Greg Preston, Yusen Logistics



Products Used

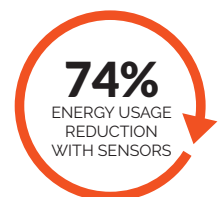


Europa LED High Bay



Galaxy LED High Bay

Summary



Opportunity

Yusen Logistics Australia is a leading provider of supply chain and transport solutions with over 25 years of service in Australia and located in every major city; Sydney, Melbourne, Brisbane, Adelaide and Perth.

The 400W metal halide lighting within the building was outdated, assessed as non-compliant to minimum Australian AS1680 standards and the brightness had decreased over time.

To improve lighting performance and achieve energy savings at its Wetherill Park (NSW) site, Yusen Logistics turned to Aglo Systems for a lighting upgrade.

Solution

Aglo undertook a thorough review of the lighting requirement across the 21,800m² floorspace and developed a lighting design using both classic round LED highbays and linear LED highbays.

Using the longer fittings with an elongated beam spread in the racking aisles allowed a significant reduction in the number of luminaires required to illuminate the same area and improved the vertical light levels.

The new design and repositioning required 89 fewer fittings to achieve a significantly improved brightness and even lighting coverage. As a result, the lux levels increased by up to 8 times in some areas.

Benefit

On top of the energy savings gained by the reduction of fittings and the highly efficient LED technology, further reductions were achieved through the use of lighting controllers and sensors which monitor area occupancy and natural light from the skylights to adjust the required light levels accordingly.

To maximise the savings, one sensor per light fitting was installed so that every single light (spaced approx 9-12m apart) is individually controlled to suit the unique conditions of that particular area. To reduce installation time/costs, the sensors were connected to each fitting prior to site delivery.