

Case Study

Commercial Lighting.

JCDecaux.

JCDecaux commissioned Ecovantage to undertake an energy efficient, lighting upgrade at its multi-level office and warehouse in Alexandria, NSW.

The Project.

The depot required a new highbay layout to replace the existing battens, including in a storage area in the back of the warehouse which was under-lit.

The 'poster room' required a high level of lighting and colour rendering (CRI), all fittings needed in the depot and poster room needed to be IP65, spray and dust proof.

Ecovantage redesigned the depot lighting based on highbays. This resulted in more consistent spread of light, lower electrical consumption and less installed fittings (28 units total).

The multi level office required a standard 1:1 replacement of all recessed T8 fittings, which taking into account the magnetic ballasts used 88 watts per fitting.

Significant energy savings were achieved through the implementation of the 28W Executive Panel.

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Key Benefits.

- A total of 147 fittings were replaced, resulting in a 77% energy reduction on lighting, with 79 tonnes of CO2 saved per year.
- We have estimated that JCDecaux will save \$27K in energy and maintenance over the course of one year, with a total lifetime estimated savings of \$369K.
- Total payback period of just 0.7 months.



Highlights.



Estimated annual savings
\$27,000



Payback period
3 weeks



Estimated energy reduction
77%