



DAEMCO AUSTRALIA **Skylights**

Case Study





Daemco Australia is proudly ISO14001 certified, operating under a robust Environmental Management System (EMS). As part of our sustainability goals, we undertook an initiative to replace aging and inefficient skylights across our Tullamarine distribution facility to reduce electricity usage and improve staff working conditions.



Scope.

- Over 600 linear metres of clear skylights installed
- Upgrade carried out across the entire roofline of our 3,000+ sqm warehouse
- Project completed over 4 weeks

Objective.

- Reduce artificial lighting requirements
- Decrease energy consumption
- Improve light quality and worker wellbeing

Technical Detail.

Skylight Material: High-quality UV-protected polycarbonate
Light Transmission: Excellent clarity for maximum daylight penetration
Energy Reduction Achieved: 30% immediately projected to reach up to 60%

Environmental Impact.

- Reduction in lighting energy demand
- Significant drop in carbon footprint
- Zero artificial lighting needed during daylight hours

People Impact.

- Improved natural light enhances staff mood, alertness, and comfort
- Reduces eyestrain and mental fatigue associated with artificial lighting

Project Detail.

Daemco Australia operates an ISO14001 certified Environmental Management System (EMS). As part of our ongoing commitment to environmental sustainability, we have implemented several initiatives aimed at reducing energy consumption and lowering our overall carbon footprint. One such initiative involved replacing the old, discoloured and weather-beaten skylights in our distribution centre to enhance the quality of lighting in the workspace for our team, reduce reliance on artificial lighting, and decrease overall electricity usage.

The new skylights were manufactured from a high-quality, clear, polycarbonate material which offered a high level of UV protection and light transmission. The installation was completed over a 4-week period and included over 600 linear metres of clear skylights across the roofline. The new skylights have already reduced light energy consumption by 30%, which we envisage will increase to closer to 60% during the coming spring and summer months. The impact of the skylights is so significant that during daylight hours no artificial lighting has been required to brighten the 3,000 plus square metre operating facility.

Industrial buildings such as warehouses and factories typically require large amounts of energy to provide adequate lighting levels for staff to complete their work. Installing skylights can significantly reduce energy consumption and increase environmental sustainability. Skylights allow natural light to enter the building during the day reducing the need for artificial lighting and decrease energy consumption.

In addition to energy savings, and the benefits to the environment, the skylights have also had a positive impact on worker well-being as natural light helps improve mood, reduce stress and increases alertness.





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