

Kalamunda Case Study

Client: Shire of Kalamunda

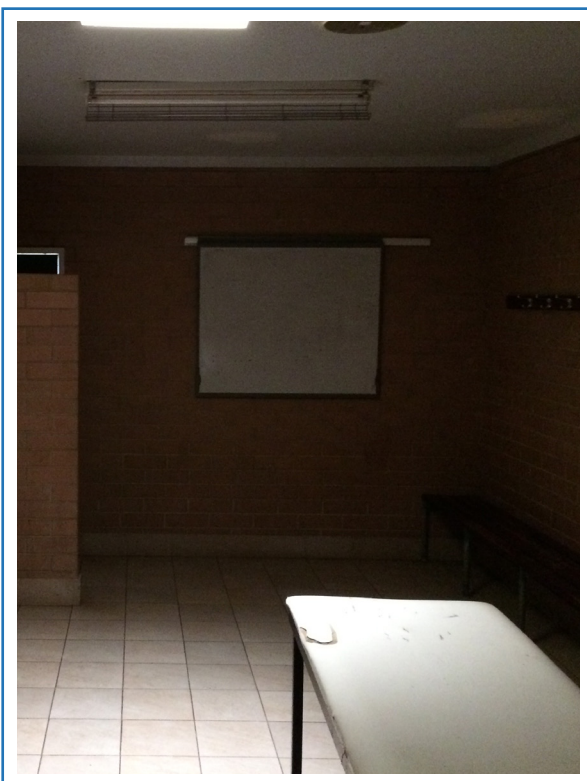
Site:

Ray Owen Stadium (Recreation Centre) Kalamunda

Project Scope (Problem):

To renew the installed 25+ year old 600mm x 600mm skylights throughout the building. To upgrade the original zincalume skylight light shafts that were not providing sufficient light for current requirements and to address ongoing leaking issues with the skylights. New additional skylights were to be installed in other selected areas of the building to provide natural light and reduce the requirement and cost associated with artificial lighting. The goal was to install a new skylight system designed to significantly improve the natural light provided throughout the nominated administration, wet area/change room, passage areas, meeting area, storage area and café area of the Stadium.

BEFORE



AFTER



Task:

- **Renew Skylights** - Using existing skylight locations, replace the old skylights (600mm x 600mm) and shafts with a new improved skylight system.
- **New Skylights** – Install the new skylight system into nominated areas of the stadium.

Application:

Toilets, Change rooms, Hallways, café area, open meeting room and storage area.

Solution:

Sky Tunnel 343mm skylights with 98% reflective miro silver rigid light shaft down to a unique magnetic ceiling frame with double glazed diffuser for the toilet areas. Sky Tunnel 535mm skylights with 98% reflective miro silver rigid light shaft down to a 600 x 600mm conversion/transition box also made from 98% reflective miro silver rigid material with a white aluminium ceiling frame and Seadrift diffuser to ensure optimum transfer and diffusion of light into the change room, hallway and cafe areas of the stadium. Sky Tunnel 535mm skylights with 98% reflective miro silver rigid light shaft down to an industrial/commercial double glazed Seadrift ceiling diffuser approximately 1 meter below roof level with an open ceiling structure to provide natural light into a meeting area and storage area of the stadium.

Result:

The results achieved by the +20 Sky Tunnel skylights installed in various configurations more than met the requirements for the project and Brayden Thornton the Project Manager for the Shire of Kalamunda had the following to say upon project completion:

“Rod and his team at Calidad Industries provided excellent customer service from the initial site inspection to the final installation - start to finish. Calidad were able to facilitate all of the site specific requirements for the project and delivered the works in a timely, safe and professional manner. Both the Shire of Kalamunda and the users groups at the site are very satisfied with the outcomes of the significantly improved natural lighting throughout the Stadium. Thanks to Rod and his team.”

