

Case Study Private Residence Golden Drive

Background:

The Clients were experiencing serious heat gain in the bedroom and stairway and they were also complaining about glare nuisance throughout the day. Therefore, they decided to look for a solution for the unbearable internal temperatures and glare discomfort.

The homeowner sought the assistance of an air-cooling professional to recommend techniques that would solve the problems solar heat gain. The customer additionally requested that the solution must allow for natural sunny daylight and views out. After researching the market, the only product the professionals could identify to meet the criteria of performance, quality and price was Microlouvre Koolshade®.

The problem:

This existing building, was designed with large and impressive areas of glass as a feature. However, the client also tasked the architect to also give the property a technological aesthetic.

- Overheating in the residence
- Glare discomfort
- Sun facing windows
- Need 100% Natural daylighting
- Uninterrupted outward vision to the exterior was essential

Results:

The owners can now enjoy pleasant temperatures in their house, as well as views out via the Microlouvre Koolshade®'s 80% open area, with full natural daylight still streaming in.

- Significant reduction in internal temperatures
- Balanced and pure, undistorted daylighting and full CRI
- Maintained unrivaled views out
- Compliant with all standards and regulations
- Elimination of glare





In order for glare to be eliminated, the screens were installed outside, on the roof top terrace as the primary protection.

One of the complaints was that the overheating issue was occurring in every room inside the residence.

Furthermore, Microlouvre Koolshade® fixed and sliding screens were used in the all the bedrooms, utility room and the stairway.

The screens were successfully integrated as direct fixing with rubber anti vibration, thermal break grommets.

