



LEADSUN

EST. 2005

In partnership with



CASE STUDY

Client: Lendlease

Project: Meadowvale Retirement Village Lighting Upgrade

Lighting Compliance: AS/NZS 1158.3.1 P3/P4

★ ★ ★ ★ ★
This project has huge cost savings by being cable free!

SOLAR LIGHTING



Project Overview

Due to many years of continual outages, ongoing and expensive repair costs to service the existing electric street and pathway lighting, the Meadowvale Retirement Village was in desperate need of a final solution to their problems. And when they realised that all the existing underground electric wiring needed to be replaced, they found this approach to be cost-prohibitive and too disruptive to the environment. Lendlease then decided to look for an alternative 'grid-free' lighting solution.

Leadsun Solution

- 118 x AE2 Split Series Systems
- Solar Module Size = 36W
- LED output = 10W
- Adaptive lighting control automatically dims lights to 30% during inactivity
- Lithium-ion batteries provides 10+ years maintenance-free life span

Leadsun presented Lendlease with a grid-free, cost-effective and dependable solar lighting solution that would also provide a more layered lighting solution featuring low-glare, adaptive lighting control to create a safer and more inviting environment for residents and visitors.

Working closely with NDY lighting consultants, Leadsun's solar lighting systems complied to the required lighting AS/NZ 1158.3.1 standards. It was calculated that 118 solar lights were required to sufficiently illuminate the pathways, driveways and car parks throughout all areas.

Leadsun provided the AE2 series 'split-system' that was found to be both cost-effective and fit-for-purpose as it has a low-wattage asymmetrical lighting beam that controls spill light into the residential properties but ensures adequate and layered lighting for areas that matter most. As the residents didn't want to have the areas over lit during periods of inactivity, the lights were programmed to mainly operate at 30% brightness, then once movement is detected the light increases to full brightness for 30 seconds. The program function also increases the battery autonomy in the winter months when the nights are longer and the days are shorter.

All lights were safely installed with lowerable poles to ensure all works are carried out at ground-level without need for working at heights or machines etc. Finally, as the Leadsun solution required no underground cabling, the installation was undertaken trouble-free and fast without any destruction of existing nature strips, footpaths, roads and car park areas.



"Leadsun's Solar Lighting Solution was effective, efficient and our lighting problem was solved. Our residences now feel safe and can see wherever they walk through the village." Janet Fisher Meadowvale Village Manager

Call us on 1300 532 378 to discuss how we can deliver you a HUGE saving compared to grid power lighting