



LEADSUN

In partnership with



CASE STUDY

Client: Knox City Council

Project: Tormore Reserve & Orchard Avenue Pedestrian Solar Lighting

Lighting Compliance: AS/NZS 1158.3.1 P3/P5

★★★★★

This project has huge cost savings by being cable free!

SOLAR LIGHTING

SAVE UP TO **33%**

Compared to grid powered lighting

Project Overview

As part of their 'Livable Streets Plan' the Knox City Council wanted to support the take-up of more walking, cycling and exercise in their community. New concrete pathways, a basketball court, outdoor gym and playground were constructed at the Tormore Reserve facility, but they needed lighting.

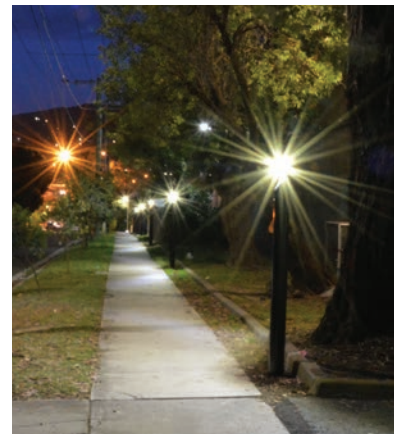
When considering to adopt either traditional grid power lighting or a solar powered lighting system, council made a budget conscious decision of electing solar powered which allowed them much greater flexibility to cost-effectively install 44 stand-alone solar lights and 7 solar powered bollard lights to illuminate pathways and thoroughfares around the precinct. Not only did this increase safety and create a much more inviting environment, it has increase the hours of use around this facility which tied in perfectly with the Livable Streets Plan.

Leadsun Solution

- 44 x AE3 Solar Powered stand-alone solar lights
- Solar Module Size = 55W
- LED output = 10W
- 1 x AE6 260W Solar Engine powering 6 x LED Bollards = 5W
- Adaptive lighting control automatically dims lights to 30% during inactivity
- Lithium-ion batteries provides 10+ years maintenance-free life span
- Lowerable poles allows cost-effective servicing safely from ground level
- Future proofed with built-in wireless control and monitoring system

In total, 1.2 Km's of pathway and thoroughfares have now been successfully illuminated through a combination of stand-alone solar lights installed on top of 5.5m high lowerable poles, as well as several 1.6m high LED bollards with all lighting illumination conforming to AS/NZS lighting standards.

The lowerable pole system allows all installation and future preventative maintenance works to be carried out quickly and safely at ground level without the use of any elevated work platforms. Additionally, the solar lights are future proofed by including Leadsun's industry leading EDGE wireless control and monitoring system that can be accessed by adding in Gateway module and plugging in a cellular sim card.



This project has an expected design life of 15 years

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