

KEDRON BROOK BIKEWAY, BRISBANE, AUSTRALIA



Project Summary

End User:

Brisbane City Council.

Product:

42 x EverGEN SE-20
Current equivalent is the EG-40

Benefits:

Pathway lighting without power.
No running costs and lower maintenance costs.
Dark sky friendly.
Sustainable and environmentally friendly.

Operating Profile:

Split night 5hr 25% 2hr

The Kedron Brook is one of the largest catchment areas in Brisbane. Its catchment comprises over 110 square kilometres of land in the northern Brisbane suburbs from Ferny Grove in the west to Nudgee in the East. Kedron Brook has many creekside parks, some with picnic facilities and barbecues, and there are also a number of dog off-leash areas. The Brook's pathways and bikeways meander along much of the length of the brook making it a valuable corridor for cycling free from traffic and exhaust fumes.

Brisbane City Council decided to install 42 x EverGEN SE-20 solar powered LED area lights for use along the Kedron Brook bikeway. According to Councillor Jane Prentice, "Solar lighting is about making our off-road bikeways and pedestrian paths safer, reducing vandalism and graffiti and saving energy for Brisbane."

The EverGEN lights were selected partly because the pole mounted

solar engine keeps all components away from flooding and vandals and yet maintains an attractive and functional design. This has proven to be a good decision as recent flooding would have damaged ground level cabinets. The lights have been installed at locations where safety was paramount, including places like creek crossings, sharp turns and steep inclines.

The first SE20s were installed in 2011 and after proving successful, additional units were installed in 2012. Brisbane City Council had previously worked with other solar lights some of which the SE-20s replaced. The SE-20s have an expected life of over 20 years with maintenance limited to cleaning and battery replacement every 5 years.

The SE-20s were supplied with bird rollers mounted to the top of the solar panel to prevent bird fouling.