

Case Study



Airport Carpark, Brisbane.

Site Description:

The New Brisbane Airport Carpark has seen the advantages of using Light Eco Energy Conservation Units on each floor of the complex.

Barclay Mowlem, the builders, saw the benefits of installing Light Eco's during the building stages, they convinced the BACL that this would be beneficial to them and so the returns are being seen from day one of operation of the new car park.

Barclay Mowlem now incorporate the Light Eco products as a value added customer benefit in all tenders incorporating fluorescent lighting.

Project Description:

The New Brisbane International Airport now includes a long-term 1500 car bay multi-deck car park in which fluorescent lighting is the main form of illumination and these lights have to be switched on 24 hours of each day. This is the ideal situation for the Light Eco products.

From calculations made very early in the building phase, Light Eco was specified. The calculations showed that an estimated saving in lighting charges from the Utility, would be approx \$16,000 per annum, plus anticipated further savings in re tubing costs saving another \$5000.

Summary of Results:

Annual savings	\$16,080.00
Cost of investment	\$24,500.00
Internal Rate of Return	66% (simple pay-back = 18.3 months)
Energy savings per year	277 MWhr
Greenhouse gas savings per year	249 tonnes CO2 equivalent

Project Bonus: Illum-a-Lite presents to all clients one tree seedling for every tonne of CO2 saved, thus doubling the environmental effect.