

## FACTORS TO INCLUDE IN A TCO ANALYSIS

When evaluating the **Total Cost of Ownership** of different LED lighting options, it's important to factor in the following:



### **LIGHT OUTPUT (Lumens)**

Ensure that fittings provide comparable lumen output which is sufficient for your needs.



### **POWER CONSUMPTION (Lamp circuit power in Watts)**

The efficiency of each alternative will have a great impact on their ongoing running costs.



### **EFFICIENCY OF LED CHIPS (Lumens per Watt)**

Generally, the higher the efficiency of the fitting, the lower the ongoing running costs



### **POWER PRICE (cents per kWh)**

Add usage, demand and network charges on a recent bill for total cost (c/kWh).  
Allow for price increases of at least 10% pa



### **OPERATING HOURS PER WEEK (hours)**

Convert weekly operating hours to hours/annum. Include additional hours outside of normal.



### **PROJECTED SAVINGS EACH YEAR**

The difference in power consumption (W) x operating hours per annum x number of fittings



### **MAINTENANCE COSTS**

Higher quality components should provide longer service life & lower ongoing maintenance.