



## Maroochy Day & Night Pharmacy

In today's economy, reducing overheads is a successful key for all business owners including Maroochy Day Night Pharmacy owner Stephen Chun Wah Young. Stephen approached Empyrean Lighting to supply LED lamps and luminaires for a full shop retrofit in an effort to dramatically reduce energy and maintenance costs.

In August of 2013, Maroochy Day Night Pharmacy underwent a complete lighting retrofit, replacing all existing lighting with energy efficient LED solutions. The new solution is saving over 50% of lighting associated power use compared to the previous solution, and is projected to eliminate maintenance costs for the next 5-6 years. Most importantly, light levels in the shop have increased yielding very positive results.

### SUMMARY OF RESULTS

#### Incumbent Technology

18W Twin PL Downlights  
36W Twin Fluorescent Tubes  
80W Metal Halide Downlights

#### LED Solution

Vega Downlight 8" 20W  
Corona Panel 40W  
Vega Adjustable 5" 20W

*"Empyrean has helped us find something, better, more efficient and greener. We have a solution that is able to highlight our products better than before and our first full billing cycle after the install showed a dramatic decrease in energy consumption. The fact that we are also making a contribution to the environment at the same time made it another win for us."*

**STEPHEN YOUNG, OWNER**

Annual Savings  
**\$ 6,438**

Total Investment  
**\$ 12,672**

Payback Period  
**1.97 yrs.**

Profit of LED Solution  
**\$ 42,689**

CO<sub>2</sub> Savings per Year  
**17.96 tonnes**

For details regarding calculations, please contact Empyrean Lighting