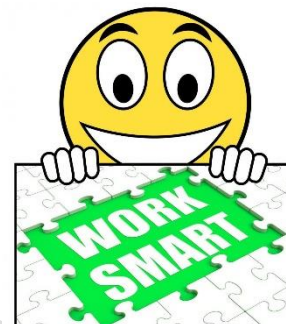


## Electricity Savings Overview

**A comparison between replacing traditional 600mm and 1200mm Florescent lights with LED Non-Sensor and Sensor Ready**



### **1. Micro Wave and Light sensors to Fire Stairs with 1200mm light fittings**

#### **Replace with non-sensor LED**

Operational 24/7 = 8,760 hours x 88 watt florescent fitting = 770Kwh

Cost per KWH \$0.30 x 770Kwh = **\$231 p.a.**

#### **Replace with non-sensor LED**

Light Wattage Savings 88 watt reduced to 17 watt = 71 watts per hour saving

Operational 24/7 = 8,760 hours x 17 watt florescent fitting = 149Kwh

Cost per KWH \$0.30 x 149Kwh = **\$44 p.a. - \$231 p.a = \$187**

**Savings \$187 Annually**

**LIFE OF LIGHT 50,000 HOURS OR +SIX (6) YEARS**

#### **Replace with Microwave & Light Sensor LED**

Light Wattage Savings 88 watt reduced to 17 watt = 71 watts per hour saving

Operational 24/7 Sensor ready = 900 hours x 17 watt florescent fitting = 15Kwh

Cost per KWH \$0.30 x 15Kwh = **\$4.50 p.a. - \$237 p.a. = \$226.50**

**Savings \$226.50 Annually**

**LIFE OF LIGHT 50,000 HOURS OR +FIFTY (50) YEARS**

### **2. Micro Wave and Light sensors to Fire Stairs with 600mm light fittings**

#### **Replace 40 watt fitting with 17 watt non-sensor LED**

Operational 24/7 = 8,760 hours x 40 watt florescent fitting = 350Kwh

Cost per KWH \$0.30 x 350Kwh = **\$105 p.a.**

#### **Replace 40 watt fitting with 17 watt non-sensor LED**

Light Wattage Savings 40 watt reduced to 17 watt = 23 watts per hour saving

Operational 24/7 = 8,760 hours x 23 watt florescent fitting = 201Kwh

Cost per KWH \$0.30 x 201Kwh = **\$60 p.a. - \$105 p.a = \$45**

**Savings \$45 Annually**

**LIFE OF LIGHT 50,000 HOURS OR +SIX (6) YEARS**

#### **Replace with Microwave & Light Sensor LED**

Light Wattage Savings 40 watt reduced to 17 watt = 23 watts per hour saving

Operational 24/7 = 900 hours x 23 watt florescent fitting = 20Kwh

Cost per KWH \$0.30 x 20Kwh = **\$6 p.a. - \$105 p.a = \$99**

**Savings \$99 Annually**

**LIFE OF LIGHT 50,000 HOURS OR +FIFTY (50) YEARS**

Return on investment (ROI) is on average one year with Sensor ready LED Fixtures. Life is many years negating maintenance, replacement, electricians cost & HASSLE.