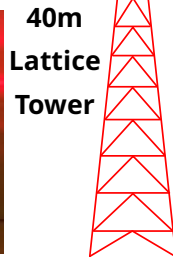
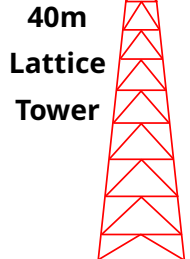


## 230V AC Powered Aviation lights versus Solar Aviation Lights

### 230VAC - 10 Candela



### Solar - 10 Candela



Description	Cost
Double AC Light + Brkt	R5400
2,5 SWA cable 50m -	R3000
10A Cbi curcuit breaker Each -	R195
Weather proof box Each -	R65
Glands & Shrouds Three -	R295
Clamps / ties SS Straps -	R800
<b>Material total</b>	<b>R9755</b>

Call-out to site 100km -	R1500
Labour (8 hours) Tech -	R6800

#### **Initial Installation Cost - R18055**

#### Miscillanious Cost over four year period:

Replacement globes - replace three times. Special E27 RED LED Globes. Globes damaged by thunder storms and Load Shedding

Description	Cost
Double AC Globe x three sets	R3240
Call-out to site 100km -	R1500
Labour (3 hours) Tech -	R3100
<b>Maintenance Cost - 4 years</b>	<b>R7840</b>

#### **Four Year Cycle - R25895**

Note: AC Power consumption cost is not included in the above comparison calculations, as it is relatively small

Description	Cost
Double Solar Light + Brkt	R11600
2,5 SWA cable 50m -	R0
10A Cbi curcuit breaker Each -	R0
Weather proof box Each -	R0
Glands & Shrouds Three -	R0
Clamps / ties SS Straps -	R0
<b>Material total</b>	<b>R11600</b>

Call-out to site 100km -	R1500
Labour (3 hours) Tech -	R3100

#### **Initial Installation Cost - R16200**

#### Miscillanious Cost over four year period:

Replacement Batteries, 8Ah NiMH - replace once

Description	Cost
Double Battery replacement	R800
Call-out to site 100km -	R1500
Labour (3 hours) Tech -	R3100
<b>Maintenance Cost - 4 years</b>	<b>R5400</b>

#### **Four Year Cycle - R21600**

Note: AC Globes does not have alarm function for globe failure, where the solar lights does provide dry alarm contacts for remote network management

### **Solar Aviation Lights**

**Saving over four years - R4295 per site**

**Network of 10 sites - R42950 saving**

