

## *3Watt LED Security Light Over 300 Lumens security light*

This locally developed security light is housed in a traditional 150Watt incandescent housing, and supports the state of the art Cree LED technology. The housing is water proof, and uses a state of the art switch mode electronics which ensure that the LEDs are operating at designed parameters. The unit has a universal input of 10.5 volts to 30 volts DC input, and is polarity protected to ensure that it if incorrectly connected is not destroyed. The security light only draw 3 Watts from your supply, irrespective of the voltage of the supply. Its rugged design, ensures that the lifespan will exceed 50,000 hours and can remain operational 24/7 if required.

The powerful cool white light LEDs, which have light emissions over 120 Lumens per watt, can impressively light up an area approximately 70 square meters, equivalent to a typical 150Watt incandescent lamp.

Due to the low cost and powerful light, it makes it possible to install security lights in areas that were previously neglected due to cost and can pose a security risk. Typical examples are animal pens, farming implements stores, tool sheds, animal feeders, boundary fences, signage, advertising boards, pathways, road ways, parking areas, swimming pools, ponds, general lighting, and many other uses inside or outside, in fact where ever lighting may be required.



- ***Easy to install!***
- ***Weatherproof housing!***
- ***Large Voltage input, 10.5V to 30V D.C.!***
- ***Rugged SMPS technology!***
- ***Consumes 3 Watts of DC power!***
- ***Constant Light output with in voltage range!***
- ***Polarity protected!***
- ***Peace of mind!***

Contact details:  
Simple Lights C.C.  
P.O. Box 61014  
Marshalltown  
2107  
Johannesburg, South Africa

231 Booyens Road  
Cnr Webber  
Selby  
Johannesburg  
South Africa

Tel: +27 - 11 - 493-5110  
Fax: +27 - 11 - 493-5114  
Email: victor@simplelights.co.za  
Web: www.simplelights.co.za

Its low power consumption, is really a plus, for use with battery applications, and if used for night security application, on a winter's night, illuminating for 13 hours, will only consume a conservative 39 watts, which can easily be replenished via a suitably sized solar panel. In this case a 20 watt solar panel and a 9A battery would be a good choice. Taking into consideration, that during the winter months, the solar radiation drops as opposed to the summer months, the 20 Watt panel will be able to convert the sun light to produce approximately 80 watts which far more than is required to replenish the night consumption, and will ensure that the battery receives the correct boost charge to increase the battery life span. The extra capacity will ensure that the battery will still be fully charged on a cloudy day, without compromising the amount of charge provided to the battery.

## Specifications

Supply Voltage	10.5V to 30V D.C. Only Polarity Protected
Power Consumption	3Watts Total
Current	Dependent on supply voltage Typical at 11.5V – 350mAmps
Operating Temperature	-5 to 50 Degrees Centigrade. Higher temperatures will degrade LED lifespan
Enclosure	Diecast Aluminium Fully weatherproof IP54 – provided proper connecting cable used to ensure a water tight seal on the gland
Colour	Black
Mounting	Adjustable angle bracket

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2107	Johannesburg	Web: www.simplelights.co.za
Johannesburg, South Africa	South Africa	