



Cash Financial Analysis

After the lighting survey conducted on site, the following calculations and estimates can be made:

Demand for Lighting per hour	
Before	After
0.110 kWh	0.033 kWh

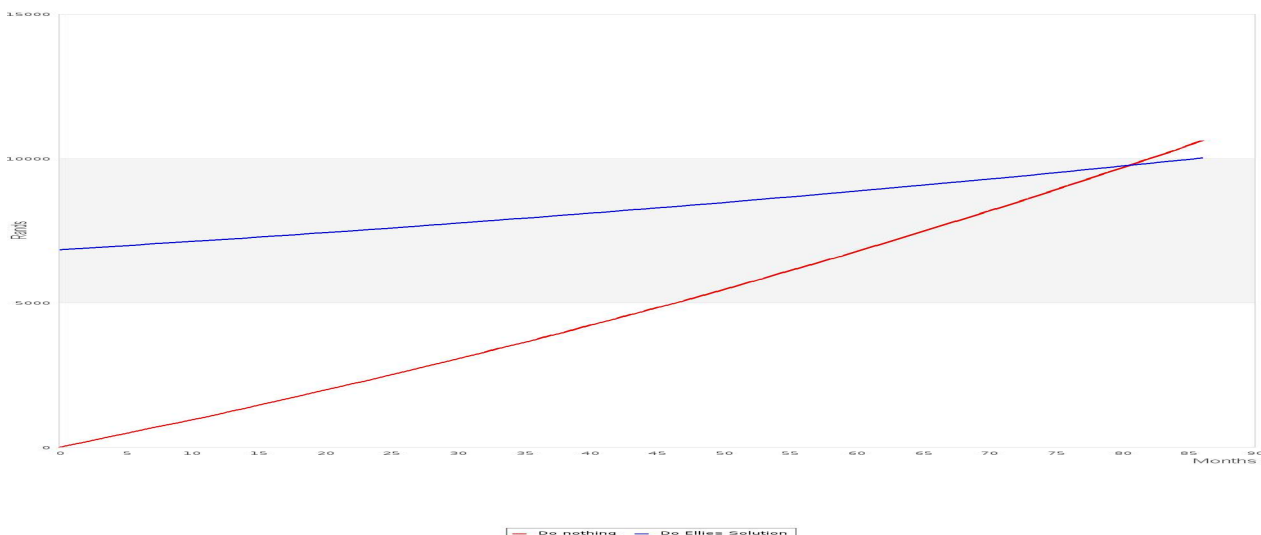
Electricity Consumption per day	
Before	After
2.630 kWh	0.789 kWh

Monthly Cost	
Before	After
R 96.00	R 28.80

Project Cost ex VAT
R 6,841.42

Expected Monthly Saving
R 67.20

% Saving
70%



The breakeven point is calculated as the amount of time (in months) that the savings achieved from retrofitting old technologies will take to recover the initial project expense.

How the calculations are done (unrelated example)

The running costs indicated below is based on 10 burning hours per day (07:00 until 17:00) for 25 days per month. A cost of R1.00 per kWh is assumed.



4ft Fluorescent
36W



4ft LED Tube
20W



Incandescent Lamp
60W



A60 LED Lamp
7W



Halogen Lamp
50W



LED Lamp
6W

0.036 kWh	0.020 kWh	0.060 kWh	0.007 kWh	0.050 kWh	0.006 kWh
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Cost per Hour:	≈ R0.04	≈ R0.02	≈ R0.06	≈ R0.01	≈ R0.05	≈ R0.01
Cost per Day	= R0.36	= R0.20	= R0.60	= R0.07	= R0.50	= R0.06
Cost per Month	= R9.00	= R5.00	= R15.00	= R1.75	= R12.50	= R1.50

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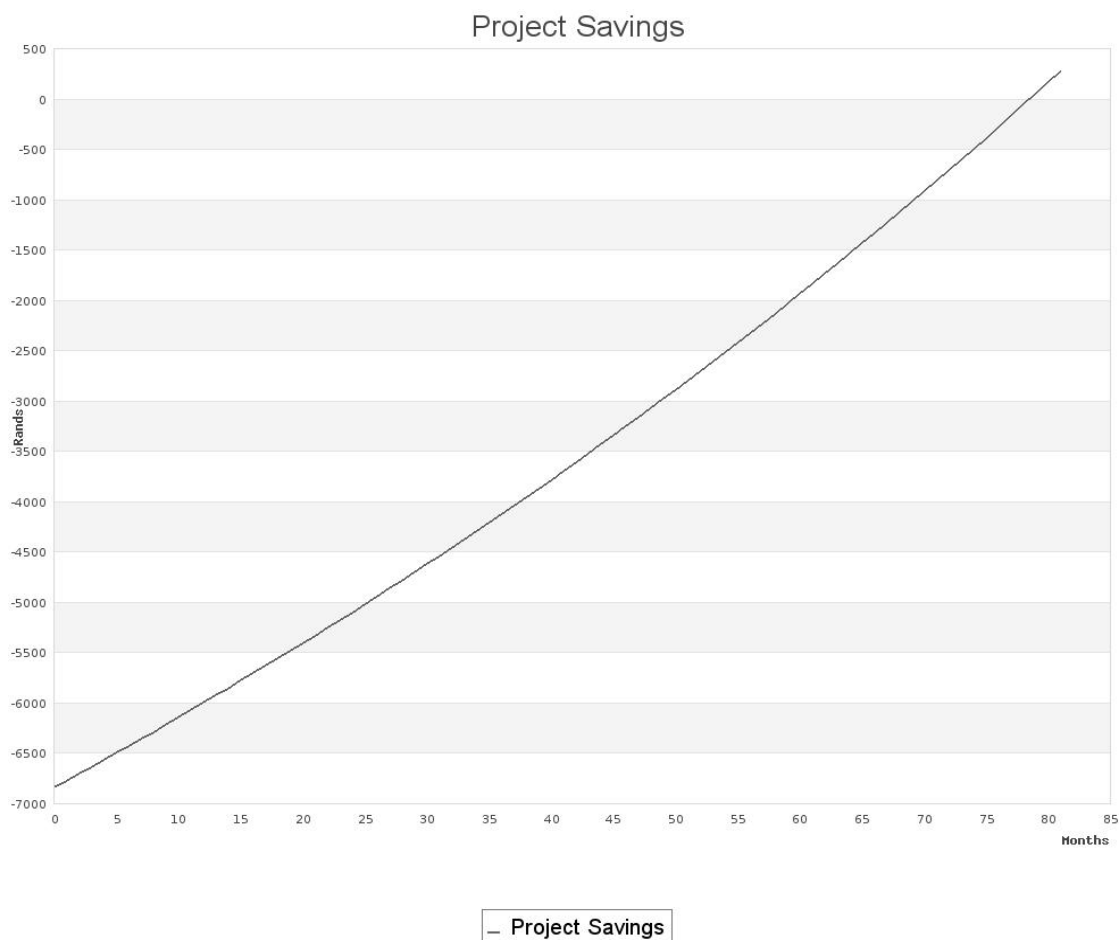
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Replacement Items Overview

Payback Period	Monthly Savings	Percentage Saved(%)	Savings after 10 years
80.68 Months	R67.20	70%	R 4,840.54

Cost Overview - Cash Option

Category	Product Price	Installation	Total Price
Replacement Products	R6,155.92	R685.50	R6,841.42
Additional Products	R0.00	R0.00	R0.00
Total	R6,155.92	R685.50	R6,841.42



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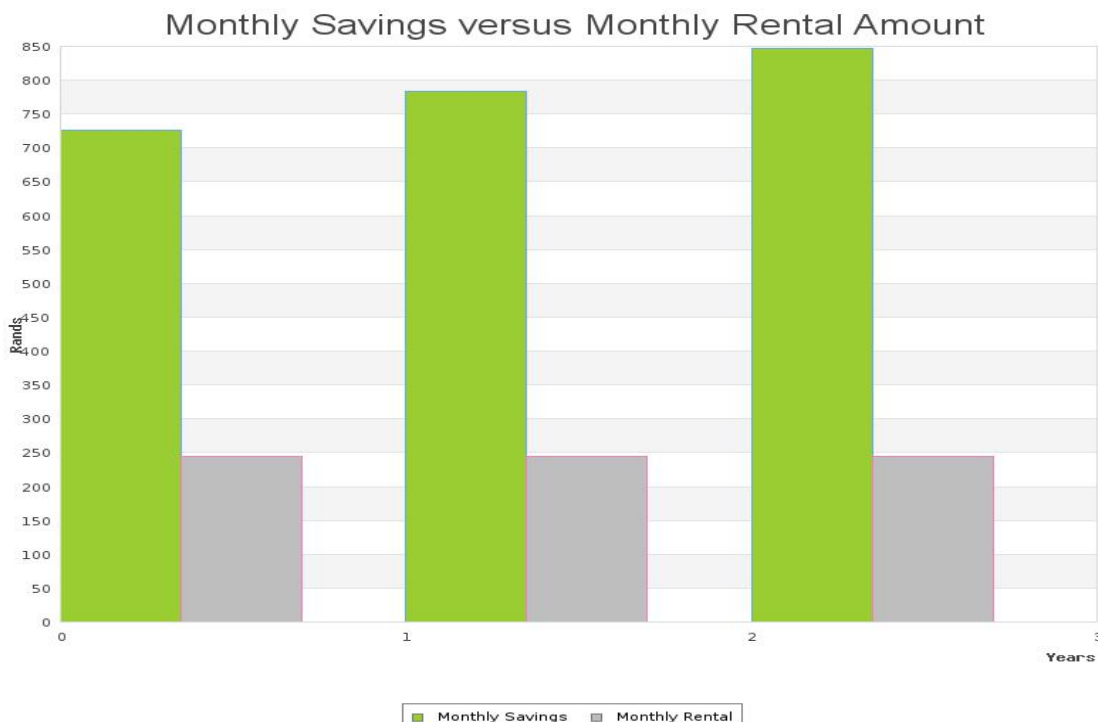
Rental Financial Analysis

Cost Overview - Rental Option

Category	Capital	Maintenance	Total
Replacement Products	R197.43	R46.51	R243.94
Additional Products	R0.00	R0.00	R0.00
Total	R197.43	R46.51	R243.94

Contract Overview

Rental Term	Deposit	Monthly Rental by year
36 Months	R684.14 (10%)	1: R243.94 2: R243.94 3: R243.94



Rent per Month

R243.94 is the Rental option subject to approval by a third party financier over a period of 36 Months

If the project were not completed, ellies would continue paying as much as R 96.00 per month for lighting. But by completing the project, this amount can decrease to as little as R 28.80 each month. Even if you rent the equipment for R243.94 over 36 months, you end up paying only R272.74 monthly which, after the 36 months, becomes money in your pockets.

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Project Details

Type of Premises (Mark with x):	Business	Home	Other	x
Company Name	ellies	Contact Person	Jean Joubert	
Physical Address	fdxvxv	Telephone	0823310626	
		E-mail	jeantrud@me.com	
Telephone	0119544205	Date	2016-03-22	

Additional Information

Project Manager	Theo	Region	Commercial	
Installer	Theo			
Sales Rep	Theo			
Electricity Supplier	City Power	Type of Connection	Single Phase	x Three Phase
Cost per kWh	R 1.2	Meter Number	123	

Consumption Data and Installation Details

Electricity Accounts	Travel (km)	Ceiling Height	Contingency
	3000	123.00	123.00

Installation x

Notes:

None

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Scope of Works

This project entails the supply and installation of 1 efficient lighting technologies to retrofit or replace 1 inefficient lighting sources found at the premises of ellies. Measurements were done to show savings in consumption more accurately. No measurements were done, which means that all savings are based on estimated values. Work to be completed per specified location is described below.

Replacement Products

Quote Acceptance

I,
in my Capacity as
hereby accept the quotation submitted to me by Ellies for 1 of energy efficient lighting to the amount of R0. I understand that a 10% deposit is payable before any work will commence and that the rest of the amount will be payable upon completion of the job and signing of the jobcard below once all equipment

Signed at: _____ on this _____ day of _____

_____ for the Customer

_____ for the Company: Ellies

Terms and conditions

- This Quote is valid for a period of thirty (30) days from date hereof. Should we receive your order AFTER thirty (30) days from date hereof, we may need to adjust your pricing based on the ruling rates of exchange.
- Our proposal is based on current exchange rates.
- The scope of works may change while our contractors are on site due to changes in your requirements. Any items exceeding the above quantities will be charged separately at the same rate as detailed above.
- The estimated savings are based on operating hours given by customer and electricity bill provided.
- Should the actual design differ from the information supplied then a revised variation quote will be submitted to you.
- Our labour rates are based on normal working hours. Should you require work to be done after hours, labour will be charged at ruling overtime rates and a new quote will be supplied.
- It is the sole responsibility of the business owner to ensure that all equipment and furniture is moved so as to allow unhindered access to all required areas to complete the installation. Ellies and its representatives are fully indemnified against all responsibility arising from any damage in this regard.
- Ellies warrants, subject to our normal condition of sale which are available on request, the equipment and services
- E. and O.E.
- The installation carries a warranty for a period of twelve (12) months from the date of installation
- Lighting products carry a 3 year warranty from the date of installation..
- Should payment not be made on due date, Ellies reserves the right to remove all equipment installed and claim such damages from the client.
- Interest at 2% per month will be levied on all overdue accounts.

Additional terms and conditions if the project is paid as a full maintenance rental contract

- Ellies will endeavour to investigate and replace where necessary any Ellies installed products indicated in this quote that may fail during the duration of the contract term, within 72 hours of the fault being reported subject to any circumstances beyond our control that may prevent service delivery within the stipulated time frame. Callout operating hours Monday to Friday 08:00 - 17:00 excluding public holidays
- Additional terms and conditions are stipulated in the rental contract which must be signed in addition to this quote acceptance document.
- Contracts are subject to a 20% Deposit to be paid upfront

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Job Card

Ship To:

Company: ellies
Address: fdxvzv
Contact: Jean Joubert
Cellphone: 0823310626

Date:

This project entails the supply of 1 efficient lighting technologies to retrofit or replace 1 inefficient lighting sources found at the premises of ellies. Work to be completed per specified location is described below.

Item Code	Description	Quantity	Unit Cost	Extended Cost
FLED120WS	120W LED Flood with sensor	2	3077.96	6155.92
Labour		1	652.5	652.5
Travel		3000	-	33.00
Crush		-	-	0.00
Materials		-	-	0.00

Code	Supplied	Used
FLED120WS	N/A	N/A

Total Value excluding VAT	6,841.42
VAT Calculated at 14%	957.80
Total Value Including VAT	7,799.22

Project signed off on:

For Customer Jean Joubert:

For Installer:

Stock used and returned to be indicated above.
At least 5 pictures to be taken on site.
Customer and Installer to sign completed Job Card.

120W Floodlight with PIR sensor

Product Code: FLED120WS

Barcode: 600284405 8487



- 120° beam angle
- 12m IR range
- Adjustable
- PIR sensor included
- Low wattage in comparison to Halogen lights

The flood light

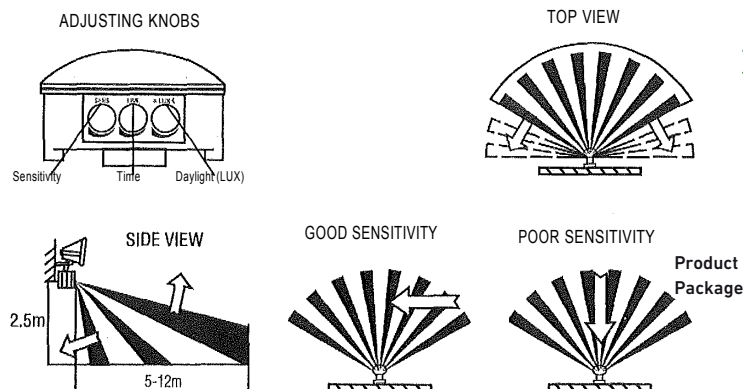
Ideal for lighting buildings, car parks, plazas, billboards, signs, factory premises, farming applications and much more. Equipped with safety glass cover lens with silicon seal. 240V IP65 adjustable 120WS LED floodlight with PIR sensor.

Halogen/HID and LED comparison table

	Power (watt)	Power consumption based on 10 working hours a day	Lifetime (hours)	Lifetime cost (spanning LED lifetime)
Halogen	100	R30.42 p/month	2000	R2 500
LED	10	R3.04 p/month	25 000	R250
Halogen	200	R60.83 p/month	2000	R5000
LED	20	R6.08 p/month	25 000	R500
Halogen	300	R91.25 p/month	2000	R7 500
LED	30	R9.13 p/month	25 000	R750
HID	70	R21.29 p/month	2000	R1 750
LED	50	R15.21 p/month	25 000	R1 250
HID	150	R45.63 p/month	2000	R3 750
LED	80	R24.33 p/month	25 000	R2 000
HID	250	R76.04 p/month	2000	R6 250
LED	120	R36.50 p/month	25 000	R3 000

■ Electricity costs based on R1.00 per kWh

Floodlight sensor operation



AURORA
engineered & manufactured



TECHNICAL INFORMATION

Materials	: AL+toughened glass
PCB materials	: FR-4
Working current (mA)	: 3840mA
Input voltage (V)	: 90-264V
Power (W)	: 120W
Luminous flux (lm)	: 7000lm
Color temperature (K)	: 3000-3500K 6000-6500K
CRI	: ≥70
Working temperature (C)	: -25 °C ~ 45 °C
Storage temperature (C)	: -40 °C ~ 80 °C
Beam angle	: 120°
LED quantity	: 1

IMPORTANT NOTE

Installation must be done by a certified electrician if connected to a property's electrical mains.

THE KIT CONTAINS

- 1 x Floodlight unit with sensor and mounting bracket

PACKAGING DIMENSIONS

Weight (kg)	Length (mm)	Width (mm)	Height (mm)
7.5	120	330	475
	525	385	170

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