

# New-Tech Imports Ltd

## Energy Comparisons between Standard and LED lights

	1200mm Tube	MR 16 Spot light	GU 10 Spot light	Down light 75w	Floodlight 250w
Standard Fitting - KW usage	48w	30w	30w	75w	250w
LED Fitting -KW usage	17w	3w	3w	12w	90w
Savings/ Hour KW	31w/h	27w	27w	63 w	160w
Estimated KWh charges	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20
Annual savings-12h/5days/52 weeks	\$19.34	\$16.84	\$16.84	\$39.31	\$99.84
- 24h/5days.52weeks	\$38.68	\$33.68	\$33.68	\$78.60	\$199.00
Cost of light only - standard	\$12.00	\$8.00	\$12.00	\$ 8.00	\$250.00
- LED	\$95.00	\$28.00	\$28.00	\$90	\$950.00
Life cycle - standard hours	6000-8000	Approx 6000h	Approx. 6000h	10000h	8000h- 12000h
- LED	50000-80000	50000h +	40000 h+	40000+	50000h+
Payback 24h/day - straight	\$83/\$38= 2.1years	\$20/\$33= 0.6 years	\$16/\$33= 0.5 years	\$82/\$78= 1.1year	\$700/\$199= 3.5 years
- accounting for life cycle	6 cycles \$23/\$38= 0.5 years	8 cycles Less than 1 year	7 cycles Less than 1 year	4 cycles \$58/\$78 Less than 1 year	4 cycles -\$50/\$199 Less than 1 year

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