

"GOT A MILLION" CANDLEPOWER (CHECK YOURS BELOW)

BRAND	POWER (watts)	MASS DIAMETER (grams) (mm)	CLAIMED INTENSITY (cd)	ACTUAL INTENSITY (cd)	DISCREPANCY AGAINST CLAIM
LIGHTFORCE 240 BLITZ	104	539 227	1 000 000	1 060 000	YOU'VE GOT A MILLION
LIGHTFORCE 170 SUPERLIGHT	100	370 160	500 000	530 000	NIL — HALF MILLION PLUS
COLLINS MAGNUM ALUMINIUM	79	1530 200	1 500 000	370 000	4X
COLEMAN PLASTIC FOCUSABLE	77	1304 200	1 000 000	285 000	3.5X
COLEMAN NIGHTSIGHT	82	808 166	800 000	264 000	3X
LIGHTFORCE 140 LANCE	76	270 126	250 000	249 000	1X
LIGHTFORCE PREDATOR	50	360 110	200 000	187 000	1X
COLLINS HAND HELD ALUMINIUM	82	1417 165	750 000	178 000	4.25X
LSI CORDLESS	***	1219 130	500 000	149 000	3.5X
OPTRONICS NIGHTBLASTER	98	921 163	1 000 000	122 100	8.25X
LSI NITE-TRACKER	48	595 130	500 000	121 000	4.25X
OPTRONICS BLUE-EYE	122	822 130	300 000	107 300	2.75X
SEALED BEAM					
BRINKMAN Q-BEAM MAX MILLION	101	723 120	1 000 000	70 400	14.25X
NIGHT OWL MEGABEAM	84	794 120	1 000 000	168 800	14.5X
LSI HOT SPOT	53	320 103	400 000	44 000	9X
CLULITE 6 volt	18	300 98	NOT STATED	31 800	N/A
DEBEN TRACER	***	255 48	NOT STATED	5 400 RANGE OF 250 YARDS QUOTED	N/A

*** It is not possible to measure working wattage of battery integral spotlights

Tests were performed at a regulated 12 volts, supplied by a Pihong Power Supply, and intensities were determined using "best average readings" made with a national BN200LTE digital lightmeter, a UDT Digaphot Model 3301 lightmeter and an Optronics Model 730A radiometer with photometric filter. Readings were taken by measuring direct illuminance, E, (Lux) at a baseline distance (d) of either 20 metres or 10 metres, screening out stray light, and using the equation $I = Ed^2$.

Tests by Geoff Smith, B.Sc. B.Ed, Dip. T. Tech, M.L.E.S. (Aust) (Lecturer in Lighting design and Engineering Science).

**SOLE SOUTH AFRICAN
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