



## Grow Light Comparison

	Technology	Name	Typical Measured System PPF/Watt	Hours
	LED 3030	Modu-Grow LED	2.3	50000+
	LED COB	Luminus CXM32	2.2	50000+
	LED	Lfluence Spyder x	2.17	50000+
	LED COB	Citizen CLU058	2.01	50000+
	LED COB	MiGRO 100	2	50000+
	LED COB	Bridge Lux V29	1.94	50000+
	LED	HLG QB 120	1.92	50000+
	LED COB	Cree CXB3590	1.85	50000+
	LED	Sanlight S4W	1.81	50000+
	LED	Magnus RA 350	1.74	50000+

\* PPDF/Watt for a typical system of 1.2mx1.2m in reflective tent



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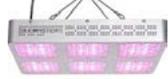
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	Technology	Name	Typical Measured System PPF/Watt	Hours
	LED	NextLight Mega	1.6	50000+
	LED	Budmaster II GOD 6	1.52	50000+
	LED	G Tools GLEDS 280	1.5	50000+
	LED	California Lightworks 550	1.5	50000+
	LED 3030	AC Driverless Quantum Board Grow light Samsung LM301B	1.49	50000+
	HPS	Gauitta 1000W DE 400V	1.39	16000-40000
	LED	Spectrum King 100W	1.34	50000+
	LED	Mars Reflector 48	1.3	50000+
	HPS	HPS 600W Wide	1.3	16000-40000
	MH	Cermaic M Halide LEC	1.29	5000-30000

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	Technology	Name	Typical Measured System PPF/Watt	Hours
	LED	Spectrum King 400W	1.2	50000+
	LED	KIND K5 XL750	1.17	50000+
	LED	Mars 300	1.02	50000+
	LED	Vipar Spectra V300	0.98	50000+
	MH	Metal Hailide (600W)	0.93	5000-30000
	LED	Lush Dominator 2x	0.9	50000+
	Tube Style Flourecent	T5 Fluorecent Tubes	0.74	24000-80000
	LED COB	AC Driverless White 50W (Alibaba/ Banggood/Ebay)	0.65	10000
	Compact Flourecent	CFL (250W)	0.6	10000
	LED COB	AC Driverless Blue/Red 50W (Alib- aba/Banggood/Ebay)	0.29	10000

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