
SuperGrow™ LED Growlight System

patent pending

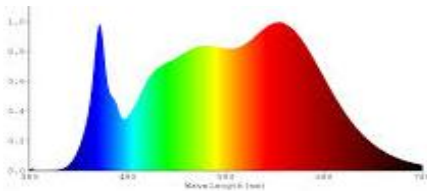
With Advanced MultiBEAM technology

The Best Combination of Grow Light Power, Performance, Size, Versatility and Light Weight in Industry !

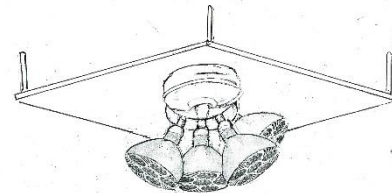
SG-160,SG-320 ... Lux/PPFD Power of 250 or 400 W HPS Growlight!

SG-320,SG-640... Lux/PPFD power of 500 W or 1,000 W HPS Growlight

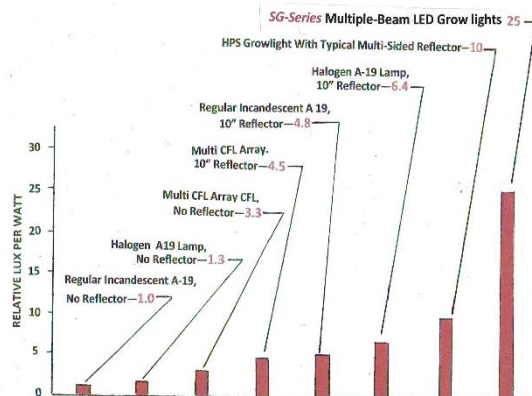
- Screw-in 40W state-of-the art LED lamps, with 50,000 hour operating life...allows easy future lamp upgrade or alternate spectrum interchangeability.
- Individually adjustable multiple-direction beams increase PPF uniformity, eliminate center hotspot % wasted wide-angle light...increases useful lighting power more than 30% over conventional LED grow lights
- Grows 95% of all plants, vegetables, fruit...grow area up to 4 ft X 4 ft
- Dramatically better than HPS at converting emitted light into plan-useful I PPFD



MultiBeam™ Spectrum



SG-160



Comparison of high wattage lighting technologies

SPECIFICATIONS



Each complete SG grow light unit has up to four modules .Each module consists of one socket adapter and four individual PAR 30 grow lamps. After the adapter is inserted into a module's standard single-socket, the four lamps are inserted into the socket adapter.

Power SG160, SG320, SG480 , SG640	160W (one module), 320W(two modules), 480W (three modules) , 640W (four modules)
Voltage	100-240VAC
AC Mains Frequency	50-60 Hz
Power Factor	0.9 minimum
Total Flux	2.0 umol/J typical
Beam Angle of Complete 4-Lamp Unit	90 degrees +/-10%
Operating Life	50,000 hours minimum
Lamp Body Temperature	Less than 45C (in 25C ambient)
Cooling (Each lamp)	Built-in computer-grade silent fan (<i>Note 1</i>)
Allowable Ambient Operating Temperature	-25 C to 40C
Environmental	No UV emission, no mercury
Spectrum	See Page 1 spectrum
Dimensions	L 310 mm W 310 mm H 300 mm
Weight SG-160, SG-320,SG-480,SG-640	1.6kg, 2.6Kg 3.Kg, 4.8KG
Base	E27
Certifications	CE,ROHS

Note 1--- Less than 20 DBA audible sound from one meter away
