

## **PowerGROW™ LED Growlight System**

patent pending

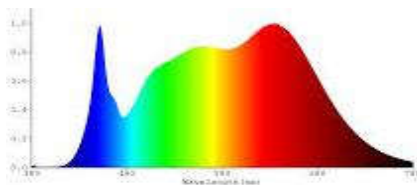
**With Advanced MultiBEAM technology**

**The Best Combination of Growlight Power, Performance, Size, Versatility and Weight in Industry !**

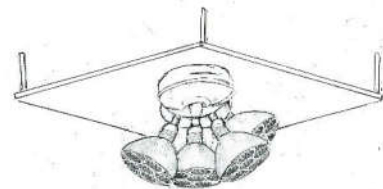
**PG-160 ... Lux/PPFD Power of 250 Watt HPS Growlight!**

**PG-320... Lux/PPFD power of 500-watt HPS Growlight**

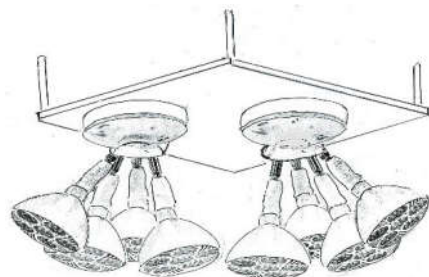
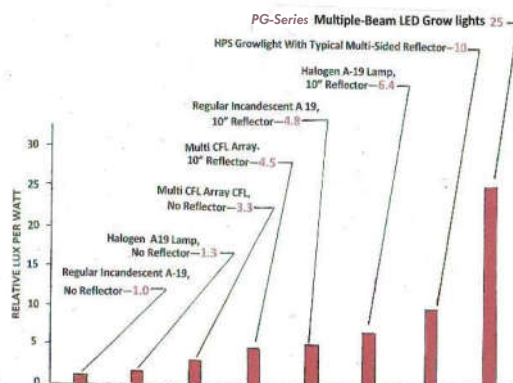
- **Powerful, compact, full-spectrum 160-watt LED growlight.**
- **Screw-in 40W state-of-the art- LED lamps, with 50,000 hour operating life...allows easy future lamp upgrade or specification interchangeability.**
- **Multiple-direction beams increase PPF uniformity, eliminates center hotspot % wasted wide-angle light..increases useful light power more than 30% over conventional growlights**
- **Grows 95% of all plants, vegetables, fruit...grow area up to 4 ft X 4 ft**
- **Eliminates undesirable purple glow of older first-generation multi-color-LED designs.**



**MultiBeam™ Spectrum**



**PG-160**



**PG-320**

**Comparison of high wattage lighting technologies**

## **SPECIFICATIONS**



***Each complete PG 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 PG160, PG320, PG480 , PG640	160 W (one module,320W(two modules, 480W (three module ,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 3</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 PG-160, PG-320,PG-480,PG-640	1.6kg, 2.6Kg 3.Kg, 4.8KG
Base	E27
Certifications	CE,ROHS

***Note 3--- Less than 20 DBA audible sound from one meter away***