

growlite® og® CHALLENGE

	og 8 INCH 1000W HPS (GROWLITE)	og 8 INCH 600W HPS (GROWLITE) **ENERGY SAVING**	LUXOR 1000W HPS (SUN SYSTEM)	RADIANT 8 INCH 1000W HPS (HYDROFARM)	COOL SUN XL 8 INCH 1000W HPS (SUN SYSTEM)	BLOCKBUSTER 8 INCH 1000W HPS (SUN SYSTEM)	MAGNUM XXXL 8 INCH 1000W HPS (SUN SYSTEM)	XTRASUN 8 INCH 1000W HPS (HYDROFARM)
PPF / QUANTUM PAR METER (PHOTOSYNTHETIC PHOTON FLUX (Sun System #748205)**	1406	1001	1332	1129	1104	1045	709	576
FOOT-CANDLE(fc)***	9710	6760	9020	7760	7480	7020	4760	3840
REFLECTOR DIMENSIONS (LENGTH - WIDTH - HEIGHT)	21.75"L x 21.75"W x 12"H	21.75"L x 21.75"W x 12"H	30.26"L x 30.26"W x 19.75"H	25"L x 21"W x 9.37"H	25"L x 24"W x 9"H	26"L x 26"W x 9.75"H	38.5"L x 29.5"W x 9.5"H	24"L x 20.75"W x 10.5"H
AIR COOLED (LAMP CHAMBER AROUND THE BULB)	YES	YES	NO	YES	YES	YES	YES	YES
BULB ORIENTATION (VERTICAL OR HORIZONTAL)	VERTICAL	VERTICAL	VERTICAL	HORIZONTAL	HORIZONTAL	HORIZONTAL	HORIZONTAL	HORIZONTAL
COVERAGE AREA 4'X4'	YES	YES	YES	YES	YES	YES	YES	YES
MSRP	\$277.00	\$277.00	\$329.75	\$189.95	\$157.95	\$182.95	\$249.95	\$134.95

*MOUNTING HEIGHT - 28 INCHES ABOVE 4'X4' TRAY

**PHOTOSYNTHETIC - PHOTON FLUX

Photosynthesis is driven by the number of photons between 400 and 700 nanometers(nm). This is called Photosynthetic Photon Flux(PPF) and is measured in micromoles per meters squared per second. PPF meters are commonly called quantum meters because a quantum refers to the amount of energy carried by a photon. Line quantum sensors are often used to quantify the variable light in greenhouses and below plant canopies because they provide a spatial average.

***FOOT-CANDLE

The unit is defined as the amount of illumination the inside surface of a 1-foot radius sphere would be receiving if there were a uniform point source of one candela in the exact center of the sphere. This can be thought of as the amount of light that actually falls on a given surface. The foot-candle equal to approximately 10.764 lux, although in the lighting industry, typically this is approximated as 1 foot candle being equal to 10 lux. Since light intensity is the primary factor in the photosynthesis of plants, horticulturalists often measure and discuss optimum intensity for various plants in foot-candles. **Full, unobstructed sunlight has an intensity of approximately 10,000 fc.**

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Specs / Vertical lamp for even light distribution.
Concealed Vacuum Airflow Technology.
Black Matte powder coat finish.
8" Duct for Airflow / Push or Pull.
Removable door for lamp access and easy cleaning.
1/8" Thick Tempered Glass.
1 Pair of V-Hooks for mounting.
Standard with 15ft cord and ballast plug.
22 gauge steel.
MH / HPS
Patent.
UL Components
Mogul to Mogul Socket Extender
recommended for 250w-600w.
(Item No. GLA-SE)



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