



Horticulture

MASTER GreenPower 600W 347V Mogul 1SL/12

Plant growth (photosynthesis) is not determined by lux or energy, but by the photons from the blue to red (400–700 nm) part of the spectrum. This is called growth light! For horticulture, natural daylight (global radiation) is in most cases measured in terms of energy (J orW) with a solar meter. This meter is generally positioned on top of the greenhouse. The value of global radiation is important for climate and humidity control in the greenhouse. Agrolite XT lamps are specially developed for maximum growth light and are among the most efficient light sources available for horticulture.

Product data

General Information		Design Mean Lumens	
Cap-Base	E39 [Single Contact Mogul Screw]	Design Mean Lumens	80500 lm
Bulb Shape	T46 [T 46mm]	Chromaticity Coordinate X (Nom)	526
Operating Position	UNIVERSAL [Any or Universal (U)]	Chromaticity Coordinate Y (Nom)	420
Life To 5% Failures (Nom)	12000 h	Correlated Color Temperature (Nom)	2000 K
Life To 10% Failures (Nom)	14000 h	Luminous Efficacy (rated) (Nom)	144 lm/W
Life To 20% Failures (Nom)	16000 h	Color Rendering Index (Max)	-
Life To 50% Failures (Nom)	20000 h	Color Rendering Index (Nom)	33
System Description	System 400V		
Light Technical		Operating and Electrical	
Color Code	220 [CCT of 2000K]	Lamp supply voltage	347 V [347]
Luminous Flux (Rated) (Nom)	86400 lm	Power (Rated) (Min)	608.0 W
Photosynthetic Photon Flux (PPF)	1120 μmol/s	Power (Rated) (Nom)	608.0 W
PPF Maintenance 2000 h	98 %	Lamp Current (EM) (Nom)	3.67 A
PPF Maintenance 4000 h	97 %	Ignition Supply Voltage (Max)	398 V
PPF Maintenance 8000 h	94 %	Ignition Peak Voltage (Max)	3500 V
PPF Maintenance 10000 h	92 %	Re-Ignition Time (Min) (Max)	1 min
PPF Maintenance 12000 h	91 %	Ignition Time (Max)	10 s
		Voltage (Max)	200 V
		Voltage (Min)	170 V

Horticulture

Voltage (Nom)	185 V
Controls and Dimming	
Dimmable	Yes
Run-Up Time 90% (Max)	5 min
Mechanical and Housing	
Bulb Finish	Clear
Cap-Base Information	41
Approval and Application	
Energy Efficiency Label (EEL)	A++
Mercury (Hg) Content (Nom)	42.0 mg
Energy Consumption kWh/1000 h	669 kWh

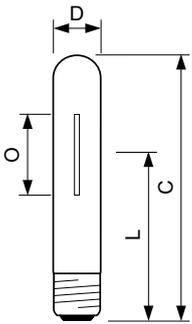
Luminaire Design Requirements

Bulb Temperature (Max)	450 °C
Cap-Base Temperature (Max)	250 °C

Product Data

Order product name	MASTER GreenPower 600W 347V Mogul 1SL/12
EAN/UPC - Product	046677404895
Order code	928198109207
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928198109207
Net Weight (Piece)	0.179 kg
ILCOS Code	ST-600-H/S-E39

Dimensional drawing



SON GreenPower 600W 347V Mogul

Product	D	D	O	L	C	A
MASTER GreenPower 600W 347V Mogul 1SL/12	47 mm	1.81 in	102 mm	164 mm	283 mm	205 mm

