

Horticulture

MASTER GreenPower CG T 600W 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	
Cap-Base	E39 [Single Contact Mogul Screw]
Operating Position	Universal [Universal]
Life to 5% Failures (Nom)	9500 h
Life to 10% Failures (Nom)	14000 h
Life to 20% Failures (Nom)	20000 h
Life to 50% Failures (Nom)	32000 h
System Description	External Ignitor (E)

Light Technical	
Color Code	220 [CCT of 2000K]
Luminous Flux (Rated) (Nom)	88000 lm
Photosynthetic Photon Flux (PPF)	1100 µmol/s
PPF Maintenance 2000 h	97 %
PPF Maintenance 5000 h	93 %
PPF Maintenance 10000 h	91 %
PPF Maintenance 12000 h	89 %
Design Mean Lumens	80960 lm
Chromaticity Coordinate X (Nom)	533
Chromaticity Coordinate Y (Nom)	432
Correlated Color Temperature (Nom)	2000 K
Luminous Efficacy (rated) (Nom)	142.4 lm/W
Color Rendering Index (Max)	-
Color Rendering Index (Nom)	26

Operating and Electrical	
Lamp supply voltage	230 V [230]
Power (Rated) (Min)	618.0 W
Power (Rated) (Nom)	618.0 W
Lamp Current (EM) (Nom)	6.3 A
Ignition Supply Voltage (Max)	220 V
Ignition Peak Voltage (Max)	3500 V
Re-Ignition Time (Min) (Max)	1 min
Ignition Time (Max)	10 s
Voltage (Max)	145 V
Voltage (Min)	115 V
Voltage (Nom)	130 V

Controls and Dimming	
Dimmable	Yes

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Run-Up Time 90% (Max)	5 min

Cap-Base Temperature (Max)	250 °C

Mechanical and Housing

Bulb Finish	Clear (CL)
Cap-Base Information	41

Approval and Application

Energy Efficiency Label (EEL)	A++
Mercury (Hg) Content (Nom)	30.0 mg
Energy Consumption kWh/1000 h	680 kWh

Luminaire Design Requirements

Bulb Temperature (Max)	400 °C

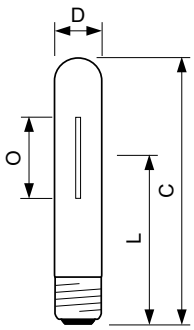
Product Data

Order product name	MASTER GreenPower CG T 600W Mogul 1SL/12
EAN/UPC - Product	046677404888
Order code	404889
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928197709207
Net Weight (Piece)	0.182 kg
ILCOS Code	ST-600-H/S-E39

Warnings and Safety

• Lamp contains mercury. Manage in Accord with Disposal Laws. See: www.lamprecycle.org or 1-800-555-0050

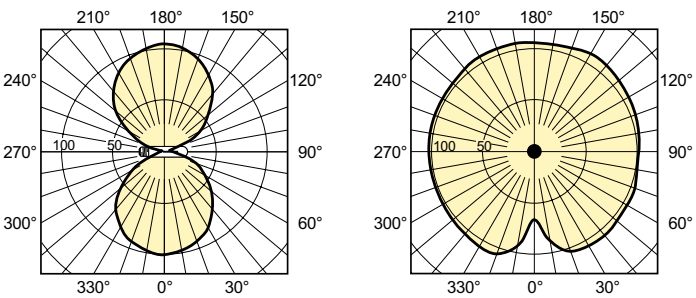
Dimensional drawing



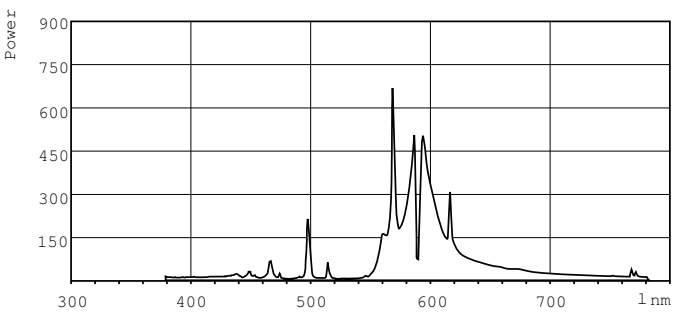
SON GreenPower CG T 600W E39

Product	D (max)	D	O	L	C (max)	A
MASTER GreenPower CG T 600W Mogul 1SL/12	47 mm	1.75 in	102 mm	166 mm	275 mm	205 mm

Photometric data



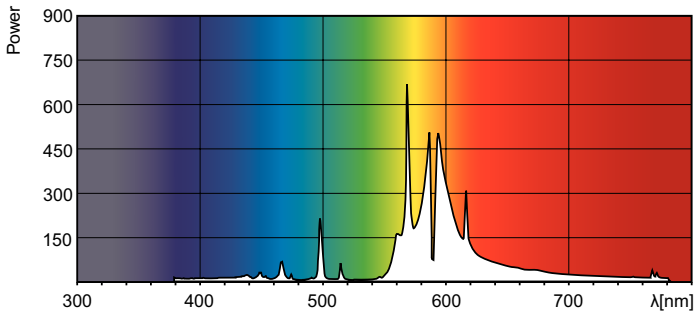
MASTER GreenPower & Agro 250W - 600W



SON GreenPower 600W

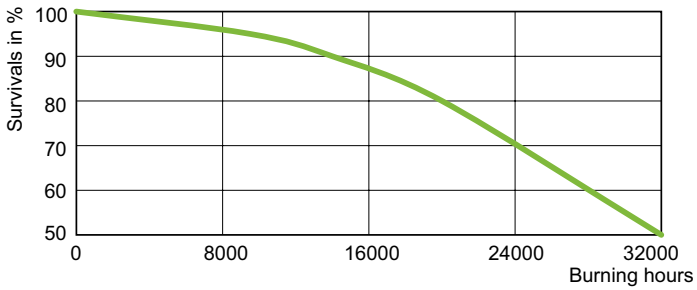
Horticulture

Photometric data

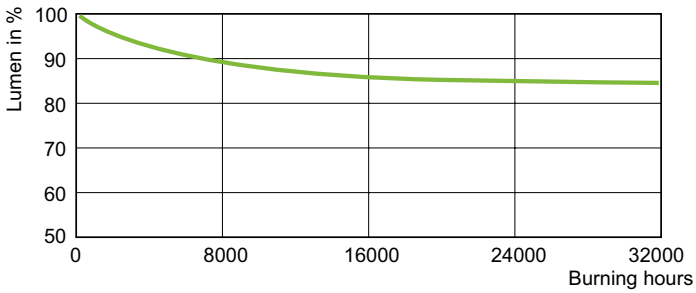


SON GreenPower 600W

Lifetime



GreenPower CG T 600 W Life Expectancy



MASTER GreenPower 600 W Lumen Maintenance

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