



Horticulture

MASTER GreenPower CG T 600W Mogul 1SL

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 or W) 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 Characteristics

System Description	External Ignitor
Base	Mogul [Mogul]
Base Information	41
Bulb	T14 1/2 [Diameter: 1.8125 inch]
Bulb Finish	Clear
Operating Position	Universal [Any or Universal (U)]
Life to 5% failures	9500 hr
Life to 10% failures	14000 hr
Life to 20% failures	20000 hr
RatedAvgLife(See Family Notes)	32000 hr

• Light Technical Characteristics

Color Code	220 [CCT of 2000K]
Color Rendering Index	26 Ra8
Color Temperature	2000 K
Luminous Flux EM 25°C, Rated	88000 Lm
Lum Efficacy Rated EM 25°C	142.4 Lm/W
Photosynthetic Photon Flux PPF	1100 umol/s
PPF maintenance 2000h	97 %
PPF maintenance 5000h	93 %
PPF maintenance 10000h	91 %
PPF maintenance 12000h	89 %
Design Mean Lumens	80960 Lm
Chromaticity Coordinate X	533 -

Chromaticity Coordinate Y	432 -
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• Electrical Characteristics

Watts	600 W
Lamp Wattage EM 25°C, Nominal	600.0 W
Lamp Wattage EM 25°C, Rated	618.0 W
Voltage	230 V
Lamp Voltage	130 V
Lamp Current EM	6.3 A
Ignition Time	10 (max) s
Run-up time 90%	5 (max) min
Re-ignition Time [min]	1 (max) min
Dimmable	Yes

• Environmental Characteristics

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

• Luminaire Design Requirements

Cap-Base Temperature	250 (max) C
Bulb Temperature	450 (max) C

• Product Dimensions

Reference Length A	205 mm
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PHILIPS

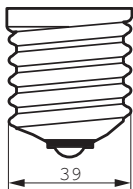
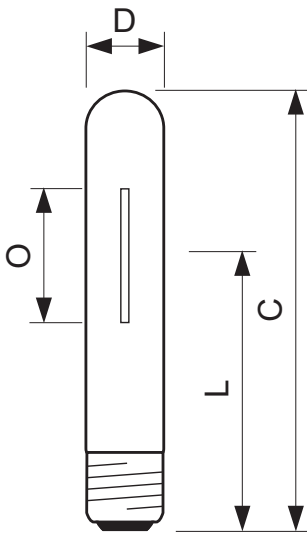
Overall Length C	283 (max) mm
Diameter D	47 (max) mm
Light Center Length L	166 mm
Arc Length O	102 mm
Light Center Length L	6.54 in
Max Overall Length (MOL) - C	10.83 (max) in
Diameter D	1.75 in

Full product name	MASTER GreenPower CG T 600W Mogul 1SL
Short product name	SON-T GRN PW CG 600W 230V E39
Pieces per Sku	1
eop_pck_cfg	12
Skus/Case	12
Bar code on pack	46677404888
Bar code on case	50046677404883
Logistics code(s)	928197709207
tpd_ilcos_cd	ST-600-H/S-E39
eop_net_weight_pp	0.182 kg

• Product Data

Product number	404889
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Dimensional drawing

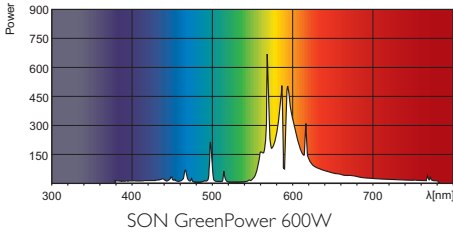
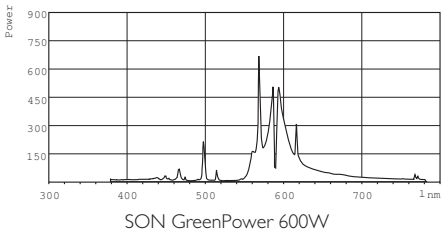


E39

MASTER GreenPower CG T 600W Mogul 1SL

Product	A (Norm)	C (Max)	D (Max)	L (Norm)	O (Norm)
SON GreenPower CG T 600W E39	205	283	47	166	102

Photometric data





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www.philips.com/lighting

2015, February 9
data subject to change