



Horticulture

MASTER GreenPower 600W 480V 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	System 480V
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	12000 hr
Life to 20% failures	16000 hr

• Light Technical Characteristics

Color Code	220 [CCT of 2000K]
Color Rendering Index	33 Ra8
Color Temperature	2040 K
Color Temperature technical	2040 K
Luminous Flux EM 25°C, Rated	84500 Lm
Lum Efficacy Rated EM 25°C	142 Lm/W
Photosynthetic Photon Flux PPF	1200 umol/s
PPF maintenance 2000h	99 %
PPF maintenance 4000h	98 %
PPF maintenance 6000h	96 %
PPF maintenance 8000h	95 %
PPF maintenance 10000h	94 %
PPF maintenance 12000h	92 %
Design Mean Lumens	80500 Lm

Chromaticity Coordinate X	526 -
Chromaticity Coordinate Y	420 -

• Electrical Characteristics

Watts	600 W
Lamp Wattage EM 25°C, Nominal	600.0 W
Lamp Wattage EM 25°C, Rated	595.0 W
Voltage	480 V
Lamp Voltage	208 V
Lamp Current EM	3.620 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	42 mg
Energy consumption kWh/1000h	654 kWh

• Luminaire Design Requirements

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

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• Product Dimensions

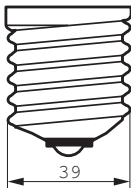
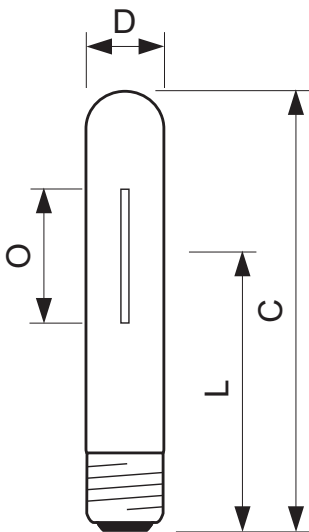
Reference Length A	205 mm
Overall Length C	283 (max) mm
Diameter D	47 (max) mm
Light Center Length L	168 mm
Arc Length O	120 mm
Light Center Length L	6.61 in
Max Overall Length (MOL) - C	11.14 (max) in
Diameter D	1.75 in

Full product name	MASTER GreenPower 600W 480V Mogul 1SL
Short product name	SON-T GRN PW CG 600W 480V E39
Pieces per Sku	1
eop_pck_cfg	12
Skus/Case	12
Bar code on pack	46677404901
Bar code on case	50046677404906
Logistics code(s)	928197909207
tpd_ilcos_cd	ST-600-H/S-E39
eop_net_weight_pp	0.278 kg

• Product Data

Product number	404905
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Dimensional drawing

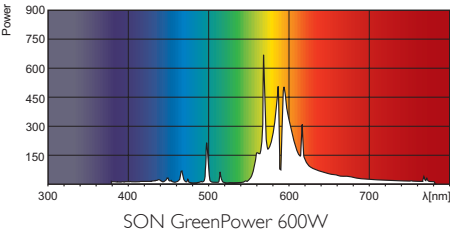
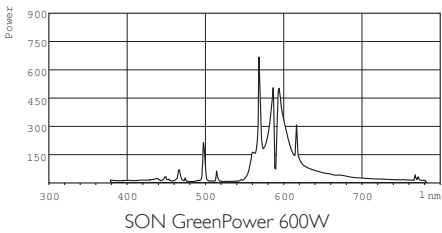


E39

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Product	A (Norm)	C (Max)	D (Max)	L (Norm)	O (Norm)
SON GreenPower 600W 480V Mogul	205	283	47	168	120

Photometric data





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www.philips.com/lighting

2014, May 17
data subject to change