



Horticulture

MASTER GreenPower CG T 400W 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	18000 hr
Life to 10% failures	21000 hr
Life to 20% failures	25000 hr
RatedAvgLife(See Family Notes)	30000 hr

• Light Technical Characteristics

Color Code	220 [CCT of 2000K]
Color Rendering Index	29 Ra8
Color Temperature	2000 K
Luminous Flux EM 25°C, Rated	58500 Lm
Lum Efficacy Rated EM 25°C	136 Lm/W
Photosynthetic Photon Flux PPF	750 umol/s
PPF maintenance 2000h	97 %
PPF maintenance 4000h	96 %
PPF maintenance 6000h	96 %
PPF maintenance 8000h	95 %
PPF maintenance 12000h	94 %
Design Mean Lumens	53820 Lm

• Electrical Characteristics

Watts	400 W
Lamp Wattage EM 25°C, Nominal	400.0 W
Lamp Wattage EM 25°C, Rated	430.0 W
Voltage	230 V
Lamp Voltage	126 V
Lamp Current EM	4.0 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	20.0 mg
Energy consumption kWh/1000h	473 kWh

• Luminaire Design Requirements

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

• Product Dimensions

Reference Length A	205 mm
Overall Length C	283 (max) mm
Diameter D	47 (max) mm

PHILIPS

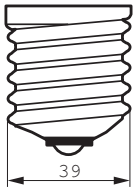
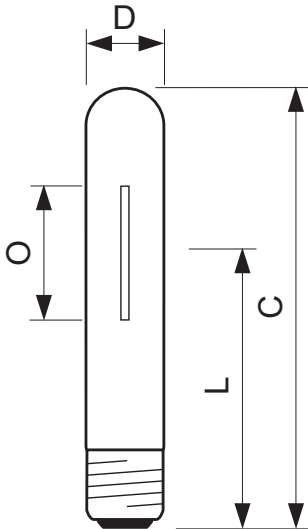
Light Center Length L	175 mm
Arc Length O	83 mm
Light Center Length L	6.89 in
Max Overall Length (MOL) - C	11.14 (max) in
Diameter D	1.75 in

• Product Data

Product number	404871
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Full product name	MASTER GreenPower CG T 400W Mogul 1SL
Short product name	SON-T GRN PW CG 400W 230V E39
Pieces per Sku	1
eop_pck_cfg	12
Skus/Case	12
Bar code on pack	46677404871
Bar code on case	50046677404876
Logistics code(s)	928197809207
tpd_ilcos_cd	ST-400-H/S-E39
eop_net_weight_pp	0.180 kg

Dimensional drawing

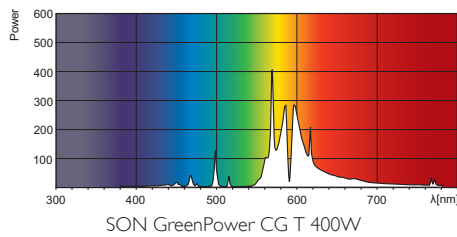
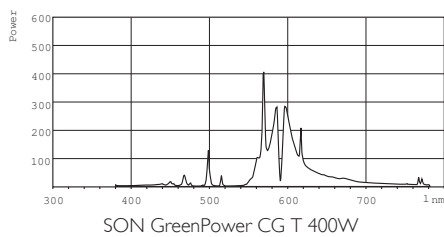


E39

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Product	A (Norm)	C (Max)	D (Max)	L (Norm)	O (Norm)
SON GreenPower CG T 400W E39	205	283	47	175	83

Photometric data





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www.philips.com/lighting

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data subject to change