



# Horticulture

## MASTER GreenPower Plus 600W EL Mogul

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.

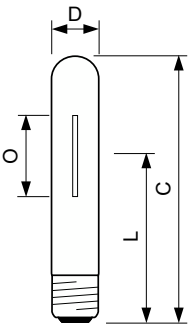
### Product data

General Information	
Cap-Base	E39 [Single Contact Mogul Screw]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life to 50% Failures (Nom)	18,000 hour(s)
Light Technical	
Color Code	220 [CCT of 2000K]
Chromaticity Coordinate X (Nom)	533
Chromaticity Coordinate Y (Nom)	416
Correlated Color Temperature (Nom)	2000 K
Luminous Efficacy (rated) (Nom)	144 lm/W
Color rendering index (CRI)	36
Arc Length O (Nom)	120 mm
Operating and Electrical	
Power Consumption	600 W
Voltage (Nom)	228 V
Voltage (Nom)	228 V

Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	T40 [T 40mm]
Approval and Application	
Mercury (Hg) Content (Nom)	41.8 mg
Energy Consumption kWh/1000 h	676 kWh
Product Data	
Order product name	MASTER GreenPower Plus 600W EL Mogul
Full product name	MASTER GreenPower Plus 600W EL Mogul
Order code	427146
Material Nr. (12NC)	928152219207
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677427146
Numerator - Packs per outer box	12

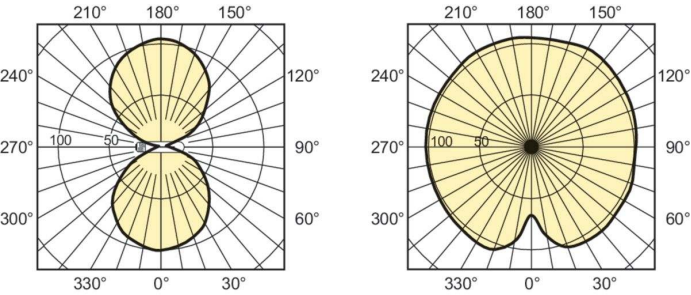
EAN/UPC - Case	50046677427141
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Dimensional drawing

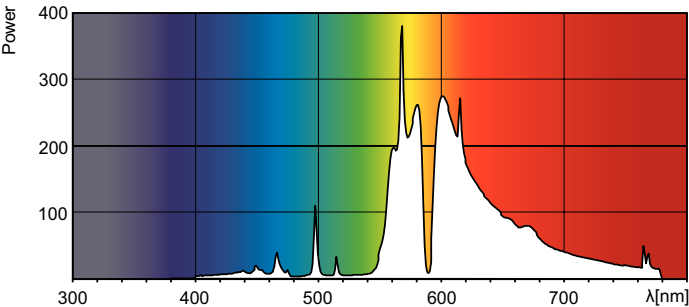


Product	D (max)	D	O	L	C (max)	A
MASTER GreenPower Plus 600W EL Mogul	47 mm	1.81 inch	120 mm	168 mm	283 mm	205 mm

Photometric data

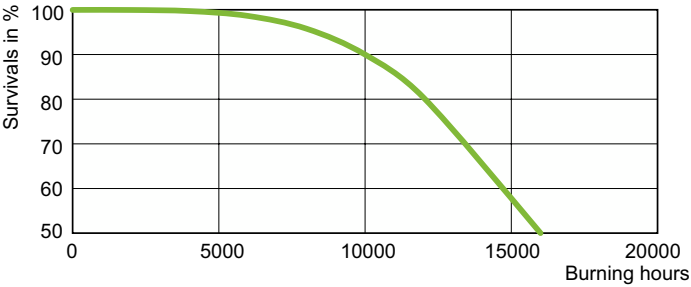


Light Distribution Diagram - MASTER GreenPower Plus 600W EL Mogul

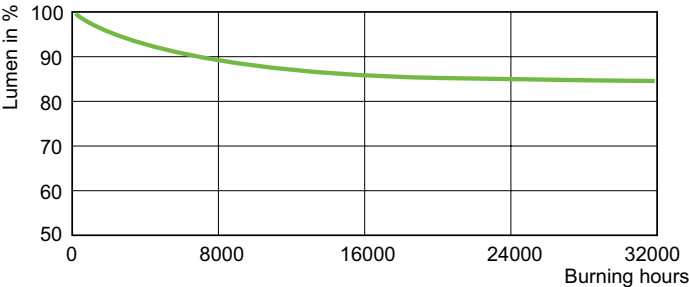


Spectral Power Distribution Colour - MASTER GreenPower Plus 600W EL Mogul

Lifetime



Life Expectancy Diagram - MASTER GreenPower Plus 600W EL Mogul



Lumen Maintenance Diagram - MASTER GreenPower Plus 600W EL Mogul

