



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 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.

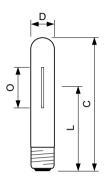
Product data

General Information					
Cap-Base	E39 [Single Contact Mogul Screw]				
Operating Position	UNIVERSAL [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

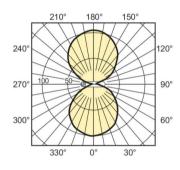
Datasheet, 2023, April 16 data subject to change

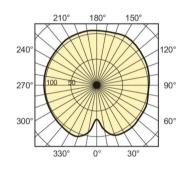
Dimensional drawing

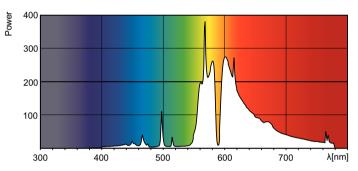


Product	D (max)	D	0	L	C (max)	Α
MASTER GreenPower Plus	47 mm	1.81 inch	120 mm	168 mm	283 mm	205 mm
600W EL Mogul						

Photometric data



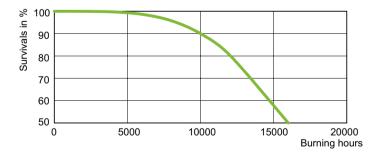


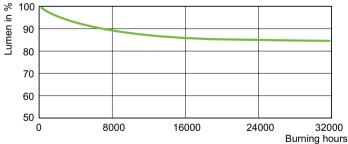


Light Distribution Diagram - MASTER GreenPower Plus 600W EL Mogul

 ${\bf Spectral\ Power\ Distribution\ Colour\ -\ MASTER\ GreenPower\ Plus\ 600W\ EL}$ ${\bf Mogul}$

Lifetime





Life Expectancy Diagram - MASTER GreenPower Plus 600W EL Mogul

Lumen Maintenance Diagram - MASTER GreenPower Plus 600W EL Mogul

Horticulture



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.