



HORTI

MASTER GreenPower Plus 600W EL E40 1SL

High Pressure Sodium lamp with clear outer bulb, optimized growthlight output and maintenance

Warnings and Safety

- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Product data

General Information	
Cap-Base	E40 [E40]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life To 10% Failures (Nom)	10000 h
Life to 50% Failures (Nom)	18000 h
System Description	Electronic
Light Technical	
Color Code	220 [CCT of 2000K]
Luminous Flux (Rated) (Nom)	85500 lm
Photosynthetic Photon Flux (PPF)	1190 $\mu\text{mol/s}$
PPF Maintenance 2000 h	98 %
PPF Maintenance 4000 h	97 %
PPF Maintenance 8000 h	94 %
PPF Maintenance 10000 h	93 %
Chromaticity Coordinate X (Nom)	533
Chromaticity Coordinate Y (Nom)	416
Correlated Color Temperature (Nom)	2000 K
Luminous Efficacy (rated) (Nom)	139 lm/W

Color Rendering Index (Nom)	36
Operating and Electrical	
Lamp supply voltage	400 V [400]
Power (Rated) (Min)	615.0 W
Power (Nom)	615.0 W
Ignition Supply Voltage (Nom)	398 V
Re-Ignition Time (Min) (Max)	5 min
Ignition Time (Max)	300 s
Voltage (Max)	244 V
Voltage (Min)	210 V
Voltage (Nom)	228 V
Controls and Dimming	
Dimmable	No
Run-Up Time 90% (Max)	5 min
Mechanical and Housing	
Bulb Finish	Clear

Cap-Base Information	-
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Approval and Application

Energy Efficiency Label (EEL)	A++
Mercury (Hg) Content (Nom)	41.8 mg
Energy Consumption kWh/1000 h	677 kWh

Luminaire Design Requirements

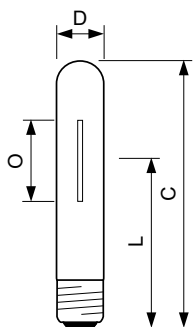
Bulb Temperature (Max)	400 °C
Cap-Base Temperature (Max)	250 °C

Product Data

Full product code	871829123272800
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Order product name	MASTER GreenPower Plus 600W EL E40 1SL
EAN/UPC - Product	8718291232728
Order code	928151219227
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928151219227
Net Weight (Piece)	172.000 g
ILCOS Code	ST600-H/S-E40

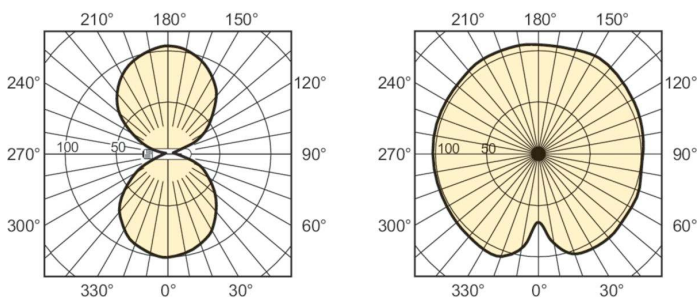
Dimensional drawing



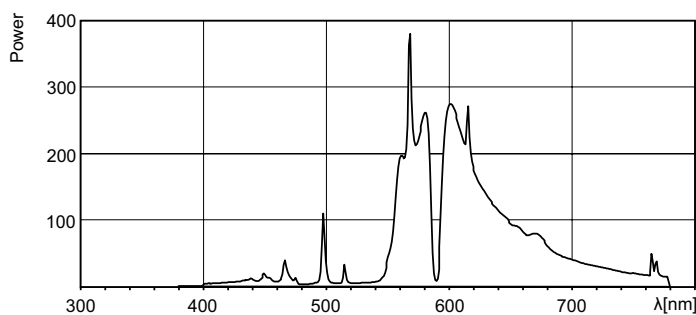
SON GreenPower Plus 600W EL E40

Product	D (max)	O	L	C (max)	A
MASTER GreenPower Plus 600W EL E40 1SL	47 mm	120 mm	168 mm	283 mm	205 mm

Photometric data



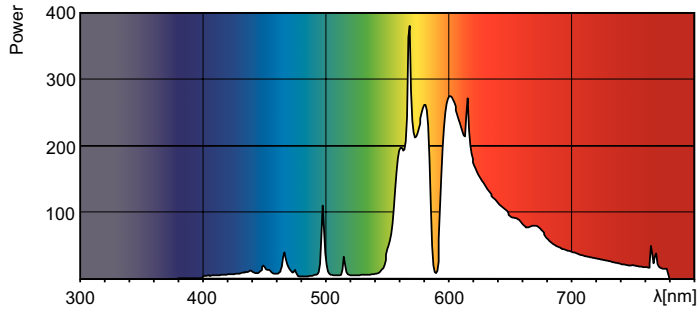
LDLD_SONHORT_0001-Light distribution diagram



LDPB_SONHORT_0005-Spectral power distribution B/W

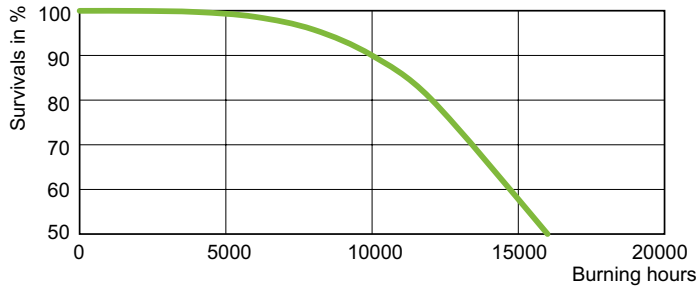
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Photometric data

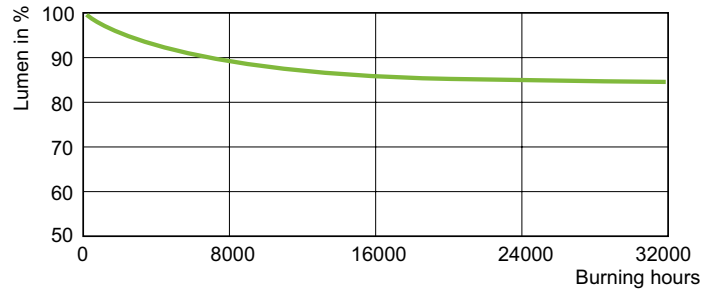


LDPO_SONTHORT_0005-Spectral power distribution Colour

Lifetime



LDLE_SONTHORT_0004-Life expectancy diagram



LDLM_SONTHORT_0001-Lumen maintenance diagram

