



# Product Description

## HORTI

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

### Benefits

- Optimized performance for horticultural applications
- High growthlight maintenance safeguards a constant crop quality and quantity over life

### Features

- Clear tubular outer bulb
- Ceramic discharge tube with Philips Integrated Antenna (PIA) for a long and reliable lifetime
- Advanced getter ensures high growthlight maintenance and few early failures
- "GreenPower" concept with optimized micromol output (growth light)
- "Plus" concept with high efficacy translated into high light output
- "Agro" concept with optimized light spectrum

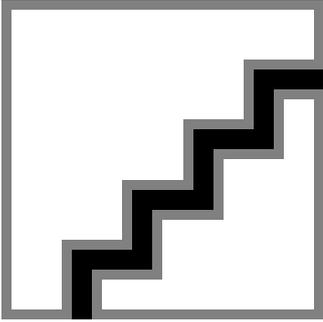
### Application

- Horticultural applications, plant irradiation, assimilation lighting

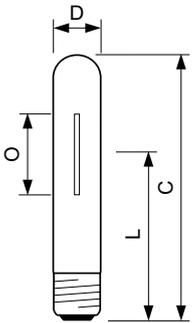
### Warnings and Safety

- 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.

Versions



Dimensional drawing



Product	D (max)	O	L	C (max)	A
MASTER GreenPower CG T 400W E40 1SL/12	47 mm	118.6 mm	175 mm	283 mm	205 mm
MASTER GreenPower CG T 600W E40 1SL/12	47 mm	151 mm	166 mm	279 mm	205 mm

Controls and Dimming	
Dimmable	Yes
Operating and Electrical	
Re-ignition Time (Min) (Max)	1 min
General Information	
Cap-Base	E40
Operating Position	UNIVERSAL
System Description	External Ignitor (E)
Light Technical	
Colour Code	220
Correlated Colour Temperature (Nom)	2000 K
PPF Maintenance 2000 h	97 %
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	T46

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
20196615	MASTER GreenPower CG T 400W E40 1SL/12	473 kWh	A+	20.0 mg
20202415	MASTER GreenPower CG T 600W E40 1SL/12	680 kWh	A++	30.0 mg

Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
20196615	MASTER GreenPower CG T 400W E40 1SL/12	4.0 A	141 V	111 V	126 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
20202415	MASTER GreenPower CG T 600W E40 1SL/12	5.45 A	145 V	115 V	130 V

## Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Min)	Power (Rated) (Nom)
20196615	MASTER GreenPower CG T 400W E40 1SL/12	430.0 W	430.0 W

Order Code	Full Product Name	Power (Rated) (Min)	Power (Rated) (Nom)
20202415	MASTER GreenPower CG T 600W E40 1SL/12	618.0 W	618.0 W

## General Information

Order Code	Full Product Name	Life To 10%	Life To 20%	Life To 50%	Life To 5%
		Failures (Nom)	Failures (Nom)	Failures (Nom)	Failures (Nom)
20196615	MASTER GreenPower CG T 400W E40 1SL/12	21000 h	25000 h	30000 h	18000 h

Order Code	Full Product Name	Life To 10%	Life To 20%	Life To 50%	Life To 5%
		Failures (Nom)	Failures (Nom)	Failures (Nom)	Failures (Nom)
20202415	MASTER GreenPower CG T 600W E40 1SL/12	14000 h	20000 h	32000 h	9500 h

## Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
20196615	MASTER GreenPower CG T 400W E40 1SL/12	450 °C

Order Code	Full Product Name	Bulb Temperature (Max)
20202415	MASTER GreenPower CG T 600W E40 1SL/12	400 °C

## Light Technical (1/2)

Order Code	Full Product Name	Chromaticity		Colour Rendering	
		Coordinate X (Nom)	Coordinate Y (Nom)	Index (Max)	Index (Nom)
20196615	MASTER GreenPower CG T 400W E40 1SL/12	-	-	-	29
20202415	MASTER GreenPower CG T 600W E40 1SL/12	533	432	-	26

Order Code	Full Product Name	Chromaticity		Colour Rendering	
		Coordinate X (Nom)	Coordinate Y (Nom)	Index (Max)	Index (Nom)
20202415	MASTER GreenPower CG T 600W E40 1SL/12	-	-	-	29

## Light Technical (2/2)

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)	Photosynthetic Photon Flux (PPF)	PPF Maintenance 10000 h	PPF Maintenance 12000 h	PPF Maintenance 4000 h	PPF Maintenance 5000 h	PPF Maintenance 6000 h
		20196615	MASTER GreenPower CG T 400W E40 1SL/12	136 lm/W	58500 lm	750 µmol/s	-	94 %	96 %
20202415	MASTER GreenPower CG T 600W E40 1SL/12	142.4 lm/W	88000 lm	1100 µmol/s	91 %	89 %	-	93 %	-

