



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

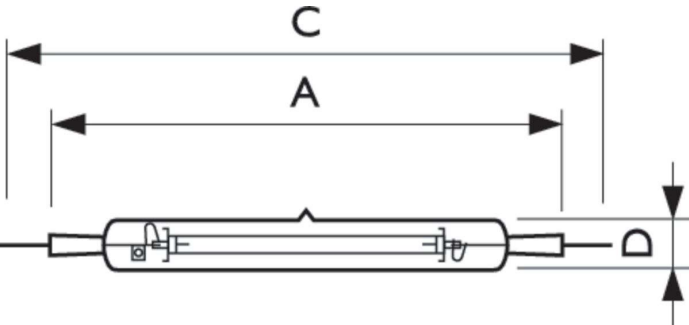
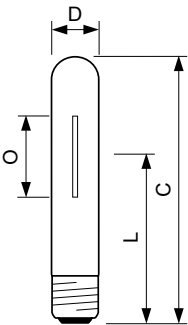
Application

- 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.

Dimensional drawing



Mechanical and Housing	
Bulb Finish	Clear

General Information

Order Code	Full Product Name	Cap-Base	Operating Position
928144609201	MASTER Agro 400W E40 1SL/12	E40	UNIVERSAL
928151219214	MASTER GreenPower Plus 600W EL E40 UNP	E40	UNIVERSAL
928151219227	MASTER GreenPower Plus 600W EL E40 1SL	E40	UNIVERSAL
928158709214	MASTER GreenPower CG T 400W E40	E40	UNIVERSAL
928158709227	MASTER GreenPower CG T 400W E40 1SL/12	E40	UNIVERSAL

Product	D (max)	O	L	C (max)	A
MASTER Agro 400W E40 1SL/12	47 mm	83 mm	175 mm	278 mm	205 mm
MASTER GreenPower 600W 400V E40	47 mm	102 mm	164 mm	279 mm	205 mm
MASTER GreenPower 600W 400V E40 1SL/12	47 mm	102 mm	164 mm	279 mm	205 mm
MASTER GreenPower 600W 480V E40 1SL/12	47 mm	1.81 inch	120 mm	168 mm	283 mm 205 mm
MASTER GreenPower CG T 250W E40 1SL/12	47 mm	94.2 mm	158 mm	257 mm	170 mm
MASTER GreenPower CG T 400W E40	47 mm	118.6 mm	175 mm	283 mm	205 mm
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	47 mm	151 mm	166 mm	279 mm	205 mm
MASTER GreenPower CG T 600W E40 1SL/12	47 mm	151 mm	166 mm	279 mm	205 mm
MASTER GreenPower Plus 600W EL E40 1SL	47 mm	120 mm	168 mm	283 mm	205 mm
MASTER GreenPower Plus 600W EL E40 UNP	47 mm	120 mm	168 mm	283 mm	205 mm

Product	D (max)	O	C (max)	A
HPS AGRO Plus 1000W DE EL 1CT/12	33.5 mm	147 mm	394 mm	325 mm
MASTER GreenPower Xtra 1000W EL/5X6CT	33.5 mm	147 mm	394 mm	325 mm
MASTER GreenPower Plus 750W EL UNP/50	33.5 mm	147 mm	394 mm	325 mm
MASTER GreenPower Xtra 1000W EL UNP/50	33.5 mm	147 mm	394 mm	325 mm

Order Code	Full Product Name	Operating	
		Cap-Base	Position
928197109227	MASTER GreenPower CG T 250W E40 1SL/12	E40	UNIVERSAL
928152419216	MASTER GreenPower Xtra 1000W EL/5X6CT	K12x30s	P
928152419230	MASTER GreenPower Xtra 1000W EL UNP/50	K12x30s	P

Order Code	Full Product Name	Operating	
		Cap-Base	Position
928198205130	MASTER GreenPower Plus 750W EL UNP/50	K12x30s	P
928198405127	HPS AGRO Plus 1000W DE EL 1CT/12	K12x30s	P

Light Technical

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated Color	Color rendering	Luminous Efficacy (rated)
		Coordinate X (Nom)	Coordinate Y (Nom)	Temperature (Nom)	index (CRI)	(Nom)
928144609201	MASTER Agro 400W E40 1SL/12	0.520	0.415	2000 K	20	130 lm/W
928151219214	MASTER GreenPower Plus 600W EL E40 UNP	0.533	0.416	2000 K	36	139 lm/W
928151219227	MASTER GreenPower Plus 600W EL E40 1SL	0.533	0.416	2000 K	36	139 lm/W
928158709214	MASTER GreenPower CG T 400W E40	-	-	2000 K	29	136 lm/W
928158709227	MASTER GreenPower CG T 400W E40 1SL/12	-	-	2000 K	29	136 lm/W
928158809214	MASTER GreenPower CG T 600W E40	0.533	0.432	2000 K	26	142.4 lm/W
928158809227	MASTER GreenPower CG T 600W E40 1SL/12	0.533	0.432	2000 K	26	142.4 lm/W
928159209214	MASTER GreenPower 600W 400V E40	0.526	0.420	2000 K	30	142 lm/W
928159209227	MASTER GreenPower 600W 400V E40 1SL/12	0.526	0.420	2000 K	30	142 lm/W
928161409227	MASTER GreenPower 600W 480V E40 1SL/12	0.526	0.420	2040 K	33	142 lm/W
928197109227	MASTER GreenPower CG T 250W E40 1SL/12	-	-	2000 K	29	122 lm/W
928152419216	MASTER GreenPower Xtra 1000W EL/5X6CT	0.537	0.427	2000 K	33	155 lm/W
928152419230	MASTER GreenPower Xtra 1000W EL UNP/50	0.537	0.427	2000 K	33	155 lm/W
928198205130	MASTER GreenPower Plus 750W EL UNP/50	0.535	0.427	2000 K	30	152 lm/W
928198405127	HPS AGRO Plus 1000W DE EL 1CT/12	0.537	0.426	2000 K	30	155 lm/W

Operating and Electrical

Order Code	Full Product Name	Voltage	Power
		(Nom)	Consumption
928144609201	MASTER Agro 400W E40 1SL/12	128 V	430.0 W
928151219214	MASTER GreenPower Plus 600W EL E40 UNP	228 V	615.0 W
928151219227	MASTER GreenPower Plus 600W EL E40 1SL	228 V	615.0 W
928158709214	MASTER GreenPower CG T 400W E40	126 V	430.0 W
928158709227	MASTER GreenPower CG T 400W E40 1SL/12	126 V	430.0 W
928158809214	MASTER GreenPower CG T 600W E40	130 V	618.0 W
928158809227	MASTER GreenPower CG T 600W E40 1SL/12	130 V	618.0 W
928159209214	MASTER GreenPower 600W 400V E40	190 V	602.5 W

Order Code	Full Product Name	Voltage	Power
		(Nom)	Consumption
928159209227	MASTER GreenPower 600W 400V E40 1SL/12	190 V	602.5 W
928161409227	MASTER GreenPower 600W 480V E40 1SL/12	208 V	645.0 W
928197109227	MASTER GreenPower CG T 250W E40 1SL/12	114 V	265.0 W
928152419216	MASTER GreenPower Xtra 1000W EL/5X6CT	220 V	1,020.0 W
928152419230	MASTER GreenPower Xtra 1000W EL UNP/50	220 V	1,020.0 W
928198205130	MASTER GreenPower Plus 750W EL UNP/50	195 V	750.0 W
928198405127	HPS AGRO Plus 1000W DE EL 1CT/12	230 V	1,000.0 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
928144609201	MASTER Agro 400W E40 1SL/12	No
928151219214	MASTER GreenPower Plus 600W EL E40 UNP	No
928151219227	MASTER GreenPower Plus 600W EL E40 1SL	No
928158709214	MASTER GreenPower CG T 400W E40	Yes
928158709227	MASTER GreenPower CG T 400W E40 1SL/12	Yes
928158809214	MASTER GreenPower CG T 600W E40	Yes
928158809227	MASTER GreenPower CG T 600W E40 1SL/12	Yes
928159209214	MASTER GreenPower 600W 400V E40	Yes

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928144609201	MASTER Agro 400W E40 1SL/12	T46
928151219214	MASTER GreenPower Plus 600W EL E40 UNP	T40
928151219227	MASTER GreenPower Plus 600W EL E40 1SL	T40
928158709214	MASTER GreenPower CG T 400W E40	T46
928158709227	MASTER GreenPower CG T 400W E40 1SL/12	T46
928158809214	MASTER GreenPower CG T 600W E40	T46
928158809227	MASTER GreenPower CG T 600W E40 1SL/12	T46
928159209214	MASTER GreenPower 600W 400V E40	T46

Approval and Application

Order Code	Full Product Name	Energy	Mercury (Hg)
		Consumption kWh/ 1000 h	Content (Nom)
928144609201	MASTER Agro 400W E40 1SL/12	473 kWh	22.0 mg
928151219214	MASTER GreenPower Plus 600W EL E40 UNP	677 kWh	41.8 mg
928151219227	MASTER GreenPower Plus 600W EL E40 1SL	677 kWh	41.8 mg
928158709214	MASTER GreenPower CG T 400W E40	473 kWh	20.0 mg
928158709227	MASTER GreenPower CG T 400W E40 1SL/12	473 kWh	20.0 mg
928158809214	MASTER GreenPower CG T 600W E40	680 kWh	30.0 mg
928158809227	MASTER GreenPower CG T 600W E40 1SL/12	680 kWh	30.0 mg
928159209214	MASTER GreenPower 600W 400V E40	663 kWh	42.0 mg
928159209227	MASTER GreenPower 600W 400V E40 1SL/12	663 kWh	42.0 mg
928161409227	MASTER GreenPower 600W 480V E40 1SL/12	710 kWh	42 mg
928197109227	MASTER GreenPower CG T 250W E40 1SL/12	292 kWh	15.1 mg
928152419216	MASTER GreenPower Xtra 1000W EL/5X6CT	1020 kWh	35 mg
928152419230	MASTER GreenPower Xtra 1000W EL UNP/50	1020 kWh	35 mg

Order Code	Full Product Name	Dimmable
928159209227	MASTER GreenPower 600W 400V E40 1SL/12	Yes
928161409227	MASTER GreenPower 600W 480V E40 1SL/12	Yes
928197109227	MASTER GreenPower CG T 250W E40 1SL/12	Yes
928152419216	MASTER GreenPower Xtra 1000W EL/5X6CT	Yes
928152419230	MASTER GreenPower Xtra 1000W EL UNP/50	Yes
928198205130	MASTER GreenPower Plus 750W EL UNP/50	Yes
928198405127	HPS AGRO Plus 1000W DE EL 1CT/12	Yes

Order Code	Full Product Name	Bulb Shape
928159209227	MASTER GreenPower 600W 400V E40 1SL/12	T46
928161409227	MASTER GreenPower 600W 480V E40 1SL/12	T46
928197109227	MASTER GreenPower CG T 250W E40 1SL/12	T46
928152419216	MASTER GreenPower Xtra 1000W EL/5X6CT	T40
928152419230	MASTER GreenPower Xtra 1000W EL UNP/50	T40
928198205130	MASTER GreenPower Plus 750W EL UNP/50	T40
928198405127	HPS AGRO Plus 1000W DE EL 1CT/12	T40

Order Code	Full Product Name	Energy	Mercury (Hg)
		Consumption kWh/ 1000 h	Content (Nom)
928198205130	MASTER GreenPower Plus 750W EL UNP/50	1020 kWh	35.29 mg
928198405127	HPS AGRO Plus 1000W DE EL 1CT/12	1020 kWh	35.29 mg

