



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

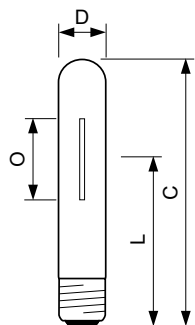
Warnings and Safety

- 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 Agro 400W E40 1SL/12	47 mm	83 mm	175 mm	278 mm	205 mm

Light Technical

Colour Code	220
Correlated Colour Temperature (Nom)	2000 K

Mechanical and Housing

Bulb Finish	Clear
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
928144609201	MASTER Agro 400W E40 1SL/12	473 kWh	A+	22.0 mg
928196305116	MASTER GreenPower Plus 1000W EL/5X6CT	1116 kWh	A++	42.0 mg

Controls and Dimming

Order Code	Full Product Name	Dimmable
928144609201	MASTER Agro 400W E40 1SL/12	No

Order Code	Full Product Name	Dimmable
928196305116	MASTER GreenPower Plus 1000W EL/5X6CT	Yes

Operating and Electrical

Order Code	Full Product Name	Lamp Current				Power (Rated)		Re-Ignition Time (Min) (Max)
		(EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	(Min)	(Nom)	
928144609201	MASTER Agro 400W E40 1SL/12	3.9 A	143 V	113 V	128 V	430.0 W	430.0 W	2 min
928196305116	MASTER GreenPower Plus 1000W EL/5X6CT	-	270 V	230 V	250 V	1015.0 W	1000 W	5 min

General Information

Order Code	Full Product Name	Life To 10%		Life To 20%		Life To 50%		Life To 5%		Operating	
		Cap-Base	Failures (Nom)	Failures (Nom)	Failures (Nom)	Failures (Nom)	Failures (Nom)	Failures (Nom)	Failures (Nom)	Position	System Description
928144609201	MASTER Agro 400W E40 1SL/12	E40	-	9500 h	18000 h	5000 h	UNIVERSAL	External Ignitor (E)			
928196305116	MASTER GreenPower Plus 1000W EL/5X6CT	K12X30S	10000 h	-	-	-	P	Electronic			

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)	Order Code	Full Product Name	Bulb Temperature (Max)
928144609201	MASTER Agro 400W E40 1SL/12	450 °C	928196305116	MASTER GreenPower Plus 1000W EL/5X6CT	700 °C

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Colour Rendering Index (Max)	Colour Rendering Index (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)	Photosynthetic Photon Flux (PPF)
928144609201	MASTER Agro 400W E40 1SL/12	520	415	25	20	130 lm/W	56000 lm	700 µmol/s
928196305116	MASTER GreenPower Plus 1000W EL/5X6CT	529	416	-	38	141 lm/W	143000 lm	2100 µmol/s

Light Technical (2/2)

Order Code	Full Product Name	PPF Maintenance 10000 h	PPF Maintenance 2000 h	PPF Maintenance 4000 h	PPF Maintenance 5000 h	Order Code	Full Product Name	PPF Maintenance 10000 h	PPF Maintenance 2000 h	PPF Maintenance 4000 h	PPF Maintenance 5000 h
928144609201	MASTER Agro 400W E40 1SL/12	84 %	96 %	-	90 %		Plus 1000W EL/5X6CT				
928196305116	MASTER GreenPower	95 %	-	98 %	-						

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape	Order Code	Full Product Name	Bulb Shape
928144609201	MASTER Agro 400W E40 1SL/12	T46	928196305116	MASTER GreenPower Plus 1000W EL/5X6CT	T40

