

Gro-Lux® HPS
GRO-LUX SHP-TS 600W / 400V
0020809



Product features

- Gro-Lux High Pressure Sodium 600W/400V grow lamp | Patented arc tube delivers the highest photosynthetic efficiency | Performance maintained at an exceptional level due to improved structure of the outer bulb, - Optimised for the highest Phytolumens or PAR output | Industry leading lumen maintenance of 95% at the end of life | For use as complete or additional artificial lighting of plants | Recommended for use in greenhouses and indoor lighting.



PRODUCT OVERVIEW

Product name	GRO-LUX SHP-TS 600W / 400V
Technology	HID
Cap/Base	E40
Lamp finish	Clear
Fixture rating	Open
General application	SPG
ETIM Class	EC000821
E-number FI	4844456

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E-number Norway	3802875
Luminous flux (lm)	88000
Correlated colour temperature (k)	1950
Light colour	Grolux
CRI (Ra)	20
Power consumption (W)	620
Wattage (W)	620
Dimmable	Yes
Dimming method	Mains: leading / trailing edge
Average life (Nominal) (h)	24000
Product EAN number	5410288208091

DATA TABLE

General data

Product name	GRO-LUX SHP-TS 600W / 400V
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Cap/Base	E40
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Optical data

Luminous flux (lm)	88000
Ambient temperature for maximum luminous flux (°C)	25
Correlated colour temperature (k)	1950
Light colour	Grolux
CRI (Ra)	20
Adjustable chromaticity	N
Rated lumen maint. factor (%) at 4000 h 50Hz	96
Rated lumen maint. factor (%) at 6000 h 50Hz	94
Rated lumen maint. factor (%) at 8000 h 50Hz	93
Rated lumen maint. factor (%) at 12000 h 50Hz	91
Rated lumen maint. factor (%) at 16000 h 50Hz	90
Rated lumen maint. factor (%) at 20000 h 50Hz	89

Electrical data

Power consumption (W)	620
Wattage (W)	620
Current (A)	3.5

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Primary Supply/Product voltage - min (V)	200
Primary Supply/Product voltage - max (V)	200
Control gear required	Yes
Dimmable	Yes
Dimming method	Mains: leading / trailing edge

Lifetime data

Average life (Nominal) (h)	24000
Average life (Rated) (h)	24000
Life T90	16000
Rated survival factor (%) at 2000 h 50Hz	100
Rated survival factor (%) at 4000 h 50Hz	99
Rated survival factor (%) at 6000 h 50Hz	98
Rated survival factor (%) at 8000 h 50Hz	97
Rated survival factor (%) at 12000 h 50Hz	90
Rated survival factor (%) at 16000 h 50Hz	79
Rated survival factor (%) at 20000 h 50Hz	66

Physical data

Max. Lamp Diameter (mm) - D	48
Weight (kg)	0.178

Packaging

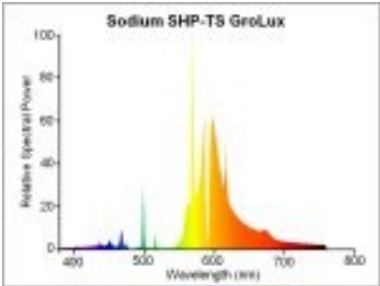
Product EAN number	5410288208091
Packaging single length / height (cm)	30.5
Packaging single width (cm)	5.0
Packaging single depth (cm)	5.0
DUN14 (inner)	15410288208098
Units per outer package	12
Packaging outer length / height (cm)	28.0
Packaging outer width (cm)	23.0
Packaging outer depth (cm)	33.0

Safety data

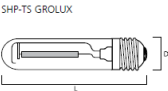
Lamp mercury content (mg)	6.48
Breakage cleaning instructions	Applicable
Recommendation for disposal at end of life	Applicable
Special purpose lamp	Yes
Intended purpose	Horticulture
Suitable for household illumination	No
Safety message	Not suitable for household

PHOTOMETRY

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TECHNICAL DRAWINGS



SHP-TS GroLux	250W	400W	600W
L	260	292	292
D	48	48	48