

## SHP-TS GroLux

SA SHP-TS 400W GROLUX E40 SLV

**0020807**



### Range Features

- Patented arc tube delivers highest photosynthetic efficiency of any lamp in the world
- Performance maintained at an exceptional level due to improved structure of outer bulb
- Optimised for the highest Phytolumens or PAR output
- GroLux light spectrum maximises red output essential for plant growth
- Industry leading lumen maintenance of 95% at the end of life
- Suitable for a plethora of applications related to plant growth



### PRODUCT OVERVIEW

<b>Lamp finish</b>	clear
<b>Lamp shape</b>	tubular
<b>Colour temperature (K)</b>	2050
<b>CRI (Ra)</b>	20
<b>Dimmable</b>	Yes

## SHP-TS GroLux

SA SHP-TS 400W GROLUX E40 SLV

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EAN code	5410288208077
Energy class	A++
Cap/Base	E40
Type	SHP-TS
Watt (Nominal) (W)	425
Light colour	0
Ordering number	0020807
Efficacy (Rated) (lm/w)	137
Average life (Rated) (h)	26000
Luminous flux (Rated) (lm)	58000
Technology	HID
Voltage (V)	120

### DATA TABLE

#### Optical data

Ambient temperature for maximum luminous flux (°C)	25
Colour temperature (K)	2050
CRI (Ra)	20
Light colour	0
Luminous flux (Nominal) (lm)	58000
Rated lumen maint. factor at 12000 h	0.91
Rated lumen maint. factor at 12000 h 50Hz	0.91
Rated lumen maint. factor at 16000 h	0.9
Rated lumen maint. factor at 16000 h 50Hz	0.9
Rated lumen maint. factor at 20000 h	0.89
Rated lumen maint. factor at 20000 h 50Hz	0.89
Rated lumen maint. factor at 2000 h	0.98
Rated lumen maint. factor at 2000 h 50Hz	0.98
Rated lumen maint. factor at 4000 h	0.96
Rated lumen maint. factor at 4000 h 50Hz	0.96
Rated lumen maint. factor at 6000 h	0.94
Rated lumen maint. factor at 6000 h 50Hz	0.94
Rated lumen maint. factor at 8000 h	0.93
Rated lumen maint. factor at 8000 h 50Hz	0.93
Luminous flux (Rated) (lm)	58000

## SHP-TS GroLux

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### General data

<b>Average life (Nominal) (h)</b>	26000
<b>Control gear required</b>	yes
<b>Lamp finish</b>	clear
<b>Lamp shape</b>	tubular
<b>Dimmable</b>	Yes
<b>EAN code</b>	5410288208077
<b>Energy class</b>	A++
<b>Fixture rating</b>	open
<b>General application</b>	Logistics and Industry; Outdoor
<b>IEC Reference</b>	IEC 60662
<b>IEC Reference 2</b>	IEC 62035
<b>Intended purpose</b>	General lighting
<b>Cap/Base</b>	E40
<b>Lamp mercury content (mg)</b>	22.7
<b>Type</b>	SHP-TS
<b>Life T90</b>	12000
<b>Ordering number</b>	0020807

Patented arc tube delivers highest photosynthetic efficiency of any lamp in the world  
 Performance maintained at an exceptional level due to improved structure of outer bulb  
 Optimised for the highest Phytolumens or PAR output  
 GroLux light spectrum maximises red output essential for plant growth  
 Industry leading lumen maintenance of 95% at the end of life  
 Suitable for a plethora of applications related to plant growth

### Range features

<b>Product name</b>	SA SHP-TS 400W GROLUX E40 SLV
<b>Average life (Rated) (h)</b>	26000
<b>Rated survival factor at 12000 h</b>	0.9
<b>Rated survival factor at 12000 h 50Hz</b>	0.9
<b>Rated survival factor at 16000 h</b>	0.79
<b>Rated survival factor at 16000 h 50Hz</b>	0.79
<b>Rated survival factor at 20000 h</b>	0.66
<b>Rated survival factor at 20000 h 50Hz</b>	0.66
<b>Rated survival factor at 2000 h</b>	1
<b>Rated survival factor at 2000 h 50Hz</b>	1
<b>Rated survival factor at 4000 h</b>	0.99
<b>Rated survival factor at 4000 h 50Hz</b>	0.99
<b>Rated survival factor at 6000 h</b>	0.98
<b>Rated survival factor at 6000 h 50Hz</b>	0.98
<b>Rated survival factor at 8000 h</b>	0.97
<b>Rated survival factor at 8000 h 50Hz</b>	0.97
<b>Special purpose lamp</b>	No

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<b>Technology</b>	HID
<b>Transformer required</b>	no
<b>Sales pack quantity</b>	12
<b>E-number SE</b>	8358018
<b>E-number FI</b>	4844454

### Electrical data

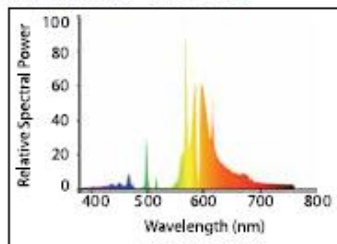
<b>Current (A)</b>	4
<b>kWh per 1000 hours burning time</b>	468
<b>Watt (Nominal) (W)</b>	425
<b>Efficacy (Rated) (lm/w)</b>	137
<b>Watt (Rated) (W)</b>	425
<b>Voltage (V)</b>	120

### Physical data

<b>Max. Lamp Diameter (mm) - D</b>	48
<b>Lamp Length (mm) - C/L</b>	292
<b>Single packaging type</b>	Box/Sleeve
<b>Weight (kg)</b>	0.18
<b>Outer package dimensions (L x W x H) (cm)</b>	28.00 x 23.00 x 33.00
<b>Single package dimensions (L x W x H) (cm)</b>	30.50 x 5.00 x 5.00

## PHOTOMETRY

Sodium SHP-TS GroLux



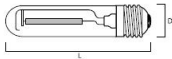
## TECHNICAL DRAWINGS

## SHP-TS GroLux

SA SHP-TS 400W GROLUX E40 SLV

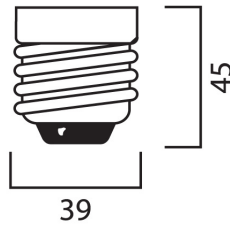
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SHP-TS GROLUX



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

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**SYLVANIA** 0020807

468 kWh/1000h