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## SHP-S/SHP-TS Super

SA SHP-TS 250W E40 SLV

0020713



### Range features

- Patented new construction featuring the Sylvania Wound Ignition Antenna for the ultimate starting reliability throughout lamp life
- Exclusive frameless construction delivers superior system efficiency and improves lumen maintenance over life
- Exceptional reliability, offering 4 years service with over 95% lumen maintenance
- Super versions with high xenon pressure boost luminous efficacy up to 150 lm/W
- Offers increased lighting levels and an extended maintenance-free service life in all road and industrial applications



### PRODUCT OVERVIEW

Ordering number	0020713
Technology	HID
Light colour	0
Energy class	A++
Average life (Rated) (h)	32000
Lamp shape	tubular
Lamp finish	clear
Dimmable	Yes
Cap/Base	E40
Type	SHP-TS
EAN code	5410288207131
CRI (Ra)	20
Colour temperature (K)	2050
Luminous flux (Rated) (lm)	34000
Efficacy (Rated) (lm/w)	131.223465843304
Watt (Nominal) (W)	255
Voltage (V)	100

# SHP-S/SHP-TS Super

*SA SHP-TS 250W E40 SLV*

**0020713**

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## **DATA TABLE**

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## SHP-S/SHP-TS Super

SA SHP-TS 250W E40 SLV

0020713

### General data

Ordering number	0020713
Technology	HID
Life T90	
Average life (Nominal) (h)	32000
Energy class	A++
Average life (Rated) (h)	32000
Lamp shape	tubular
Lamp finish	clear
Dimmable	Yes
Cap/Base	E40
Type	SHP-TS
EAN code	5410288207131
E-number FI	4845512
E-number SE	8358015

### Notes

Sylvania SHP lamps can be dimmed with negligible impact on performance creating the potential for flexible light levels and reduced energy consumption.. Dimming is supported on electronic square wave ballasts and magnetic systems that can maintain the open circuit voltage. Square wave operation is recommended.. Dimming causes a reduction of light and some colour change.. We advise to start the lamps at full power and to hold this for 15 minutes before reducing the power. To avoid extinguishing the power should be adjusted gradually taking a few minutes to reach the final dimming condition.. Square wave dimming down to 50% of the rated power will have negligible impact on performance, dimming down to 35% of the rated power can affect lumen maintenance and colour appearance.. Dimming by means of voltage on magnetic systems is not advised as this increases the chance of lamp extinguishing.. Dimming by phase-cutting on magnetic systems is not allowed.. Instant dimming on magnetic systems by adding an impedance is suggested down to 50% of the rated power but the average life can be reduced.

### Long description

Patented new construction featuring the Sylvania Wound Ignition Antenna for the ultimate starting reliability throughout lamp life. Exclusive frameless construction delivers superior system efficiency and improves lumen maintenance over life. Exceptional reliability, offering 4 years service with over 95% lumen maintenance. Super versions with high xenon pressure boost luminous efficacy up to 150 lm/W. Offers increased lighting levels and an extended maintenance-free service life in all road and industrial applications

Product name	SA SHP-TS 250W E40 SLV
Lamp mercury content (mg)	21.6
Control gear required	yes
Fixture rating	open
IEC Reference	IEC 60662
IEC Reference 2	IEC 62035
Intended purpose	General lighting
Special purpose lamp	No
Transformer required	
Sales pack quantity	12
Rated survival factor at 2000 h	1
Rated survival factor at 2000 h 50Hz	1

# SHP-S/SHP-TS Super

SA SHP-TS 250W E40 SLV

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Rated survival factor at 4000 h	1
Rated survival factor at 4000 h 50Hz	1
Rated survival factor at 6000 h	0.99
Rated survival factor at 6000 h 50Hz	0.99
Rated survival factor at 8000 h	0.99
Rated survival factor at 8000 h 50Hz	0.99
Rated survival factor at 12000 h	0.96
Rated survival factor at 12000 h 50Hz	0.96
Rated survival factor at 16000 h	0.9
Rated survival factor at 16000 h 50Hz	0.9
Rated survival factor at 20000 h	0.81
Rated survival factor at 20000 h 50Hz	0.81

## Optical data

Light colour	0
CRI (Ra)	20
Colour temperature (K)	2050
Luminous flux (Rated) (lm)	34000
Luminous flux (Nominal) (lm)	33400
Ambient temperature for maximum luminous flux (°C)	25
Rated lumen maint. factor at 2000 h	0.98
Rated lumen maint. factor at 4000 h	0.96
Rated lumen maint. factor at 6000 h	0.94
Rated lumen maint. factor at 8000 h	0.93
Rated lumen maint. factor at 12000 h	0.91
Rated lumen maint. factor at 16000 h	0.9
Rated lumen maint. factor at 20000 h	0.89
Rated lumen maint. factor at 2000 h 50Hz	0.98
Rated lumen maint. factor at 4000 h 50Hz	0.96
Rated lumen maint. factor at 6000 h 50Hz	0.94
Rated lumen maint. factor at 8000 h 50Hz	0.93
Rated lumen maint. factor at 12000 h 50Hz	0.91
Rated lumen maint. factor at 16000 h 50Hz	0.9
Rated lumen maint. factor at 20000 h 50Hz	0.89

## Electrical data

kWh per 1000 hours burning time	281
Efficacy (Rated) (lm/w)	131.223465843304
Watt (Rated) (W)	255
Watt (Nominal) (W)	255
Voltage (V)	100
Ignition voltage (V)	
Current (A)	0.98

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## Physical data

<b>Weight (kg)</b>	0.18
<b>Lamp Length (mm) - C/L</b>	260
<b>Max. Lamp Diameter (mm) - D</b>	48
<b>Single packaging type</b>	Box/Sleeve
<b>Single package dimensions (L x W x H) (cm)</b>	30.50 x 5.00 x 5.00
<b>Outer package dimensions (L x W x H) (cm)</b>	28.00 x 23.00 x 33.00

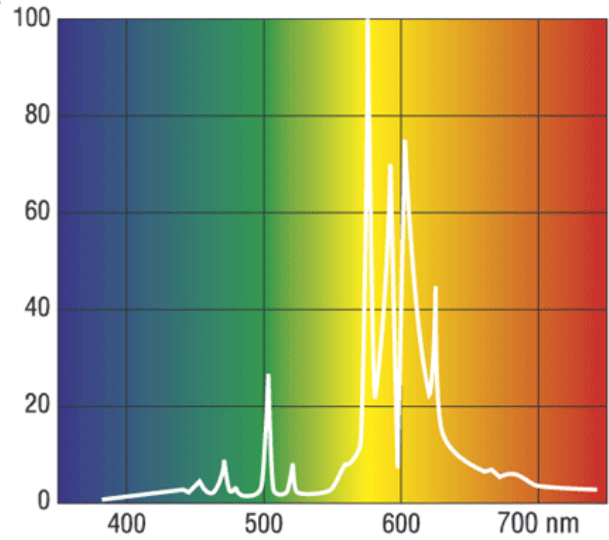
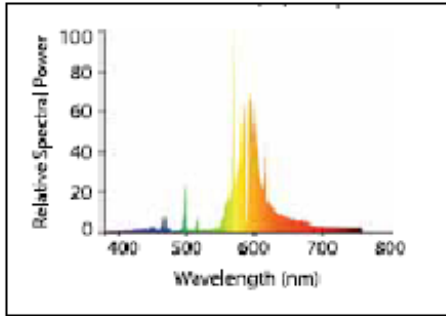
## SHP-S/SHP-TS Super

SA SHP-TS 250W E40 SLV

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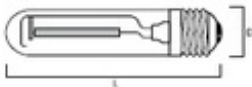
### PHOTOMETRY

Sodium SHP-(-T)S Super



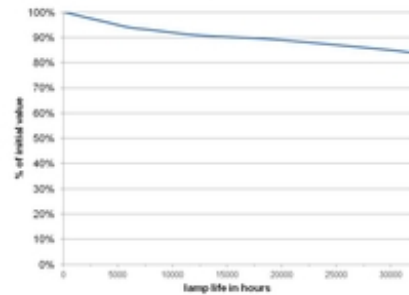
### TECHNICAL DRAWINGS

SHP-TS



SHP-TS	35W	50W	70W	100W	150W	250W	400W
L	156	156	156	211	211	260	292
D	39	39	39	48	48	48	48

Lumen Maintenance curve:  
SHP-(-T)S Super 150-400W



### ENERGY LABEL

