SHP-S/SHP-TS Super

SA SHP-S 50W/CO/E E27 SLV

0020688

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	0020688
Technology	HID
Light colour	0
Energy class	A
Average life (Rated) (h)	24000
Lamp shape	elliptical
Lamp finish	coated
Dimmable	Yes
Cap/Base	E27
Type	SHP-S
EAN code	5410288206882
CRI (Ra)	20
Colour temperature (K)	2050
Luminous flux (Rated) (lm)	3700
Efficacy (Rated) (lm/w)	74
Watt (Nominal) (W)	50
Voltage (V)	85

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DATA TABLE

SHP-S/SHP-TS Super

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General data

Ordering number	0020688
Technology	HID
Life T90	12000
Average life (Nominal) (h)	24000
Energy class	A
Average life (Rated) (h)	24000
Lamp shape	elliptical
Lamp finish	coated
Dimmable	Yes
Cap/Base	E27
Type	SHP-S
EAN code	5410288206882
E-number FI	4845573
E-number SE	8358111
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.
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 name	SA SHP-S 50W/CO/E E27 SLV
Lamp mercury content (mg)	7.2
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	no
Sales pack quantity	1
Rated survival factor at 2000 h	1
Rated survival factor at 2000 h 50Hz	1
Rated survival factor at 4000 h	0.99
Rated survival factor at 4000 h 50Hz	0.99

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Rated survival factor at 6000 h	0.98
Rated survival factor at 6000 h 50Hz	0.98
Rated survival factor at 8000 h	0.97
Rated survival factor at 8000 h 50Hz	0.97
Rated survival factor at 12000 h	0.9
Rated survival factor at 12000 h 50Hz	0.9
Rated survival factor at 16000 h	0.79
Rated survival factor at 16000 h 50Hz	0.79
Rated survival factor at 20000 h	0.66
Rated survival factor at 20000 h 50Hz	0.66

Optical data

Light colour	0
CRI (Ra)	20
Colour temperature (K)	2050
Luminous flux (Rated) (lm)	3700
Luminous flux (Nominal) (lm)	3600
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	55
Efficacy (Rated) (lm/w)	74
Watt (Rated) (W)	50
Watt (Nominal) (W)	50
Voltage (V)	85
Ignition voltage (V)	0
Current (A)	0.76

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Physical data

Weight (kg)	0.06
Lamp Length (mm) - C/L	165
Max. Lamp Diameter (mm) - D	72
Single packaging type	Box/Sleeve
Single package dimensions (L x W x H) (cm)	16.50 x 7.00 x 7.00
Outer package dimensions (L x W x H) (cm)	42.00 x 35.00 x 36.00

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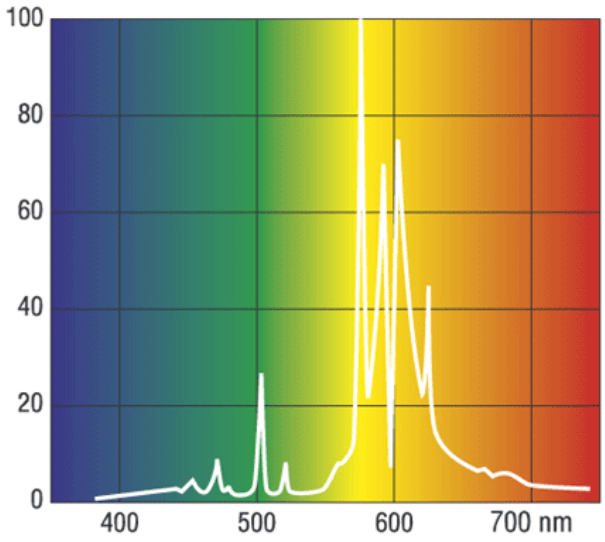
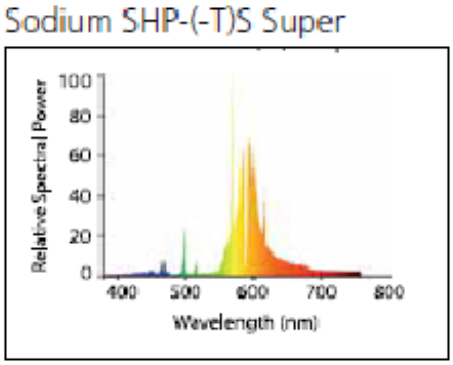
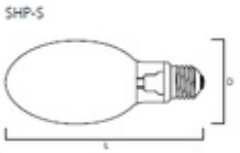
PHOTOMETRY

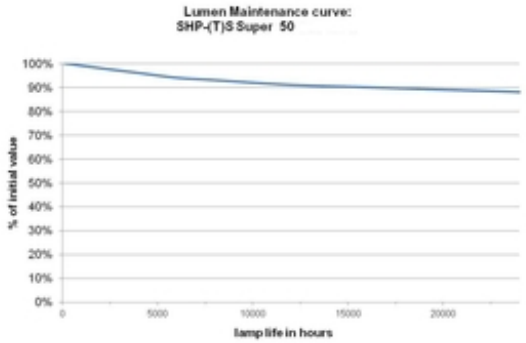




TECHNICAL DRAWINGS



SHP-S	35W	50W	70W	100W	150W	250W	400W
L	165	165	165	186	227	227	292
D	72	72	72	78	91	91	122



ENERGY LABEL