

SHP / SHP-T Standard and Basic PLUS

Sa Shp 250w Basic Plus E40

0020843



Range features



PRODUCT OVERVIEW

Ordering number	0020843
Technology	HID
Energy class	A+
Average life (Rated) (h)	28000
Lamp finish	coated
Lamp shape	elliptical
Dimmable	Yes
Cap/Base	E40
Type	SHP
EAN code	5410288208435
CRI (Ra)	20
Colour temperature (K)	2000
Luminous flux (Rated) (lm)	29000
Efficacy (Rated) (lm/w)	116
Watt (Nominal) (W)	250
Voltage (V)	100

SHP / SHP-T Standard and Basic PLUS

Sa Shp 250w Basic Plus E40

0020843

DATA TABLE

General data

Ordering number	0020843
Technology	HID
Average life (Nominal) (h)	28000
Energy class	A+
Average life (Rated) (h)	28000
Lamp shape	elliptical
Lamp finish	coated
Dimmable	Yes
Cap/Base	E40
Type	SHP
EAN code	5410288208435

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.

Product name	Sa Shp 250w Basic Plus E40
Lamp mercury content (mg)	12
Control gear required	yes
Fixture rating	open
IEC Reference	IEC 60188
IEC Reference 2	IEC 62035
IEC Reference 3	IEC 60662
Intended purpose	General lighting
Special purpose lamp	No
Transformer required	no
Sales pack quantity	12
Rated survival factor at 2000 h 50Hz	1
Rated survival factor at 4000 h 50Hz	0.99
Rated survival factor at 6000 h 50Hz	0.98
Rated survival factor at 8000 h 50Hz	0.97
Rated survival factor at 12000 h 50Hz	0.93
Rated survival factor at 16000 h 50Hz	0.9
Rated survival factor at 20000 h 50Hz	0.86

SHP / SHP-T Standard and Basic PLUS

Sa Shp 250w Basic Plus E40

0020843

Optical data

CRI (Ra)	20
Colour temperature (K)	2000
Luminous flux (Rated) (lm)	29000
Luminous flux (Nominal) (lm)	29000
Ambient temperature for maximum luminous flux (°C)	25
Rated lumen maint. factor at 2000 h 50Hz	0.97
Rated lumen maint. factor at 4000 h 50Hz	0.96
Rated lumen maint. factor at 6000 h 50Hz	0.95
Rated lumen maint. factor at 8000 h 50Hz	0.93
Rated lumen maint. factor at 12000 h 50Hz	0.9
Rated lumen maint. factor at 16000 h 50Hz	0.88
Rated lumen maint. factor at 20000 h 50Hz	0.86

Electrical data

kWh per 1000 hours burning time	275
Efficacy (Rated) (lm/w)	116
Watt (Rated) (W)	250
Watt (Nominal) (W)	250
Voltage (V)	100
Ignition voltage (V)	0
Current (A)	3

Physical data

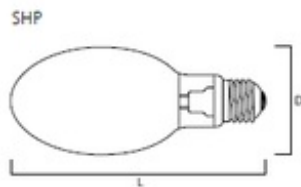
Weight (kg)	0.19
Lamp Length (mm) - C/L	227
Max. Lamp Diameter (mm) - D	91
Single packaging type	Box/Sleeve
Single package dimensions (L x W x H) (cm)	23.70 x 9.50 x 9.50
Outer package dimensions (L x W x H) (cm)	40.40 x 30.30 x 24.80

SHP / SHP-T Standard and Basic PLUS

Sa Shp 250w Basic Plus E40

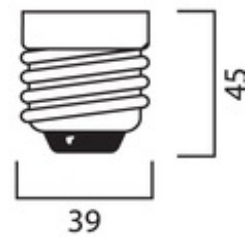
0020843

TECHNICAL DRAWINGS



SHP	50W	70W	100W	150W	250W	400W
L	165	165	178	227	227	292
D	72	72	78	91	91	122

E40



ENERGY LABEL

