

SHP / SHP-T Standard and Basic PLUS

SHP-T 250W

0020482



Range Features

- ErP compliant High Pressure Sodium Lamps
- Long life between 24,000 to 28,000 hours, T90 at 16,000 hours
- Strong performance with high reliability
- Car park, Street and Floodlighting applications



PRODUCT OVERVIEW

Lamp finish	clear
Lamp shape	tubular
Colour temperature (K)	2050
CRI (Ra)	20
Dimmable	Yes
EAN code	5410288204826
Energy class	A+
Cap/Base	E40
Type	SHP-T
Watt (Nominal) (W)	250
Light colour	0
Ordering number	0020482
Efficacy (Rated) (lm/w)	122
Average life (Rated) (h)	24000
Luminous flux (Rated) (lm)	31000
Technology	HID
Voltage (V)	100

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)	28000
Rated lumen maint. factor at 12000 h	0.91
Rated lumen maint. factor at 12000 h 50Hz	0.91

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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)	31000

General data

Average life (Nominal) (h)	24000
Control gear required	yes
Lamp finish	clear
Lamp shape	tubular
Dimmable	Yes
EAN code	5410288204826
Energy class	A+
Fixture rating	open
General application	Logistics and Industry; Outdoor
IEC Reference	IEC 60188
IEC Reference 2	IEC 62035
Intended purpose	General lighting
Cap/Base	E40
Lamp mercury content (mg)	21.6
Type	SHP-T
Life T90	12000

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Notes	<p>Sylvania SHP lamps can be dimmed with negligible impact on performance creating the potential for flexible light levels and reduced energy consumption.</p> <p>Dimming is supported on electronic square wave ballasts and magnetic systems that can maintain the open circuit voltage. Square wave operation is recommended.</p> <p>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.</p> <p>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.</p> <p>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.</p>
Ordering number	0020482
Range features	<p>ErP compliant High Pressure Sodium Lamps</p> <p>Long life between 24,000 to 28,000 hours, T90 at 16,000 hours</p> <p>Strong performance with high reliability</p> <p>Car park, Street and Floodlighting applications</p>
Product name	SHP-T 250W
Average life (Rated) (h)	24000
Rated survival factor at 12000 h	0.9
Rated survival factor at 12000 h 50Hz	0.96
Rated survival factor at 16000 h	0.79
Rated survival factor at 16000 h 50Hz	0.9
Rated survival factor at 20000 h	0.66
Rated survival factor at 20000 h 50Hz	0.82
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	1
Rated survival factor at 6000 h	0.98
Rated survival factor at 6000 h 50Hz	0.99
Rated survival factor at 8000 h	0.97
Rated survival factor at 8000 h 50Hz	0.99
Special purpose lamp	No
Technology	HID
Transformer required	no
Sales pack quantity	1
E-number SE	8358020
E-number FI	4845511

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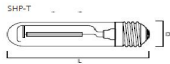
Electrical data

Current (A)	3
Ignition voltage (V)	0
kWh per 1000 hours burning time	275
Watt (Nominal) (W)	250
Efficacy (Rated) (lm/w)	122
Watt (Rated) (W)	250
Voltage (V)	100

Physical data

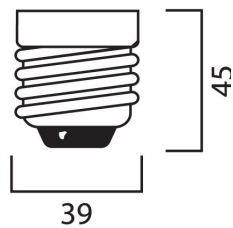
Max. Lamp Diameter (mm) - D	48
Lamp Length (mm) - C/L	260
Single packaging type	Box/Sleeve
Weight (kg)	0.18
Outer package dimensions (L x W x H) (cm)	28.00 x 23.00 x 33.00
Single package dimensions (L x W x H) (cm)	30.50 x 5.00 x 5.00

TECHNICAL DRAWINGS



SHP-T	35W	70W	100W	150W	250W	400W	1000W
L	156	156	211	260	292	400	
D	39	39	48	48	48	68	

E40



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