SHP-S / SHP-TS Twinarc

SHP-S 35W TwinArc

0020720



Range features

- Range of high pressure sodium lamps with double arc tube construction
- Dual arc tube design guarantees immediate re-strike after a power interruption
- Doubled lamp life and reduced occurrence of early failures
- Exceptional reliability, offering 6 years of maintenance-free service and superior lumen maintenance, exceeding 95% over life
- Ideal for applications which are difficult to access, or where maintenance is expensive
- Perfect for tunnels, airports, military installations, harbours and industrial sites

PRODUCT OVERVIEW

Ordering number	0020720
Technology	HID
Light colour	0
Energy class	B
Average life (Rated) (h)	40000
Lamp shape	elliptical
Lamp finish	coated
Dimmable	Yes
Cap/Base	E27
Type	SHP-S
EAN code	5410288207209
CRI (Ra)	20
Colour temperature (K)	2050
Luminous flux (Rated) (lm)	2000
Efficacy (Rated) (lm/w)	57
Watt (Nominal) (W)	35
Voltage (V)	90

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DATA TABLE

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General data

Ordering number	0020720
Technology	HID
Life T90	21000
Average life (Nominal) (h)	40000
Energy class	B
Average life (Rated) (h)	40000
Lamp shape	elliptical
Lamp finish	coated
Dimmable	Yes
Cap/Base	E27
Type	SHP-S
EAN code	5410288207209
E-number FI	4844450
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	Range of high pressure sodium lamps with double arc tube construction. Dual arc tube design guarantees immediate re-strike after a power interruption. Doubled lamp life and reduced occurrence of early failures. Exceptional reliability, offering 6 years of maintenance-free service and superior lumen maintenance, exceeding 95% over life. Ideal for applications which are difficult to access, or where maintenance is expensive. Perfect for tunnels, airports, military installations, harbours and industrial sites
Product name	SHP-S 35W TwinArc
Lamp mercury content (mg)	14.4
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	40
Rated survival factor at 2000 h	1
Rated survival factor at 2000 h 50Hz	1
Rated survival factor at 4000 h	1
Rated survival factor at 4000 h 50Hz	1
Rated survival factor at 6000 h	1

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Rated survival factor at 6000 h 50Hz	1
Rated survival factor at 8000 h	0.99
Rated survival factor at 8000 h 50Hz	0.99
Rated survival factor at 12000 h	0.98
Rated survival factor at 12000 h 50Hz	0.98
Rated survival factor at 16000 h	0.95
Rated survival factor at 16000 h 50Hz	0.95
Rated survival factor at 20000 h	0.91
Rated survival factor at 20000 h 50Hz	0.91

Optical data

Light colour	0
CRI (Ra)	20
Colour temperature (K)	2050
Luminous flux (Rated) (lm)	2000
Luminous flux (Nominal) (lm)	2000
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	39
Efficacy (Rated) (lm/w)	57
Watt (Rated) (W)	35
Watt (Nominal) (W)	35
Voltage (V)	90
Ignition voltage (V)	0
Current (A)	0.49

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Physical data

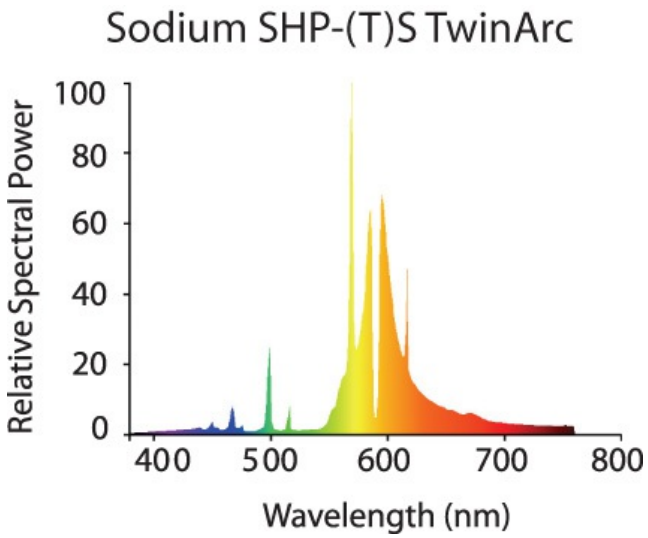
Weight (kg)	0.06
Lamp Length (mm) - C/L	165
Max. Lamp Diameter (mm) - D	72
Single packaging type	Box/Sleeve
Single package dimensions (L x W x H) (cm)	16.50 x 7.00 x 7.00
Outer package dimensions (L x W x H) (cm)	42.00 x 35.00 x 36.00

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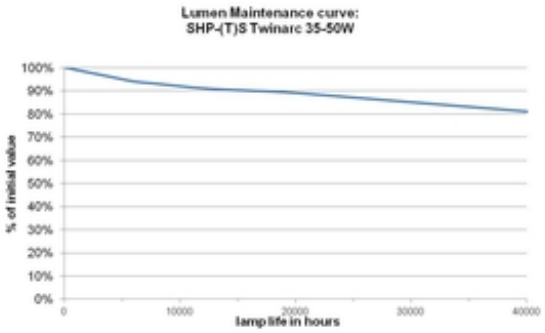
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PHOTOMETRY



TECHNICAL DRAWINGS





ENERGY LABEL

