

SHP-S / SHP-TS Twinarc

SA SHP-TS 250W TWINARC E40 SL

0020741



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	0020741
Technology	HID
Light colour	0
Energy class	A+
Average life (Rated) (h)	55000
Lamp shape	tubular
Lamp finish	clear
Dimmable	Yes
Cap/Base	E40
Type	SHP-TS
EAN code	5410288207414
CRI (Ra)	20
Colour temperature (K)	2050
Luminous flux (Rated) (lm)	32000
Efficacy (Rated) (lm/w)	124
Watt (Nominal) (W)	255
Voltage (V)	100

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DATA TABLE

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General data

Ordering number	0020741
Technology	HID
Life T90	24000
Average life (Nominal) (h)	55000
Energy class	A+
Average life (Rated) (h)	55000
Lamp shape	tubular
Lamp finish	clear
Dimmable	Yes
Cap/Base	E40
Type	SHP-TS
EAN code	5410288207414
E-number FI	4845536
E-number SE	8358009
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	SA SHP-TS 250W TWINARC E40 SL
Lamp mercury content (mg)	43.6
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	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	1
Rated survival factor at 4000 h 50Hz	1

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Rated survival factor at 6000 h	1
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	0.96
Rated survival factor at 16000 h 50Hz	0.96
Rated survival factor at 20000 h	0.93
Rated survival factor at 20000 h 50Hz	0.93

Optical data

Light colour	0
CRI (Ra)	20
Colour temperature (K)	2050
Luminous flux (Rated) (lm)	32000
Luminous flux (Nominal) (lm)	32000
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)	124
Watt (Rated) (W)	255
Watt (Nominal) (W)	255
Voltage (V)	100
Ignition voltage (V)	0
Current (A)	2.95

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Physical data

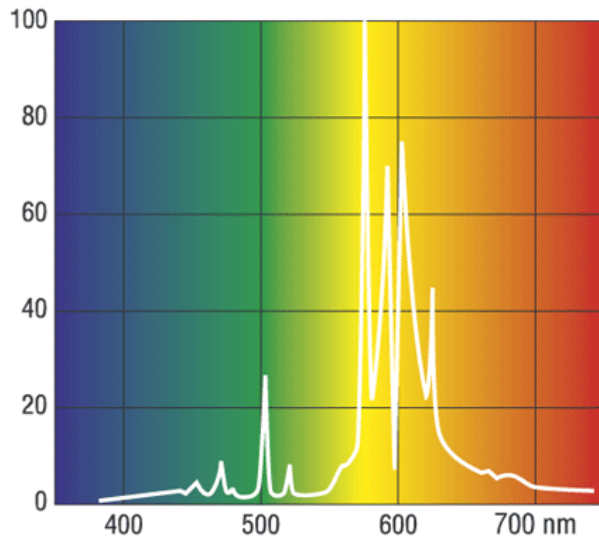
Weight (kg)	0.18
Lamp Length (mm) - C/L	260
Max. Lamp Diameter (mm) - D	48
Single packaging type	Box/Sleeve
Single package dimensions (L x W x H) (cm)	30.50 x 5.00 x 5.00
Outer package dimensions (L x W x H) (cm)	28.00 x 23.00 x 33.00

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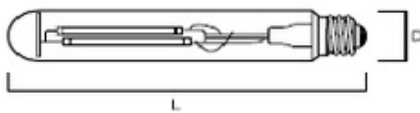
0020741

PHOTOMETRY



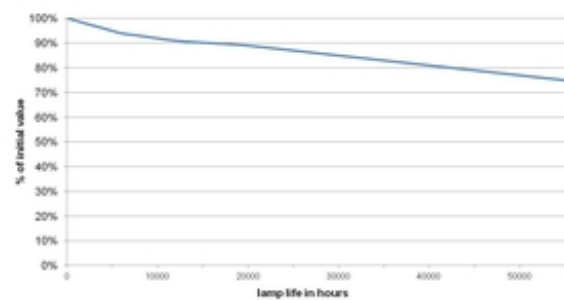
TECHNICAL DRAWINGS

SHP-TS TwinArc



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-TS TwinArc 70-400W



ENERGY LABEL

