

SHP-S / SHP-TS Twinarc

SA SHP-TS 100W TWINARC E40 SL

0020724



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

Lamp finish	clear
Lamp shape	tubular
Colour temperature (K)	2050
CRI (Ra)	20
Dimmable	Yes
EAN code	5410288207247
Energy class	A+
Cap/Base	E40
Type	SHP-TS
Watt (Nominal) (W)	100

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Light colour	0
Ordering number	0020724
Efficacy (Rated) (lm/w)	99
Average life (Rated) (h)	55000
Luminous flux (Rated) (lm)	10000
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)	10000
Rated lumen maint. factor at 12000 h	0.91
Rated lumen maint. factor at 12000 h 50Hz	0.91
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)	10000

General data

Average life (Nominal) (h)	55000
Control gear required	yes
Lamp finish	clear

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Lamp shape	tubular
Dimmable	Yes
EAN code	5410288207247
Energy class	A+
Fixture rating	open
General application	Logistics and Industry; Outdoor
IEC Reference	IEC 60662
IEC Reference 2	IEC 62035
Intended purpose	General lighting
Cap/Base	E40
Lamp mercury content (mg)	28.8
Type	SHP-TS
Life T90	24000
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.</p> <p>Dimming by phase-cutting on magnetic systems is not allowed.</p> <p>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	0020724
Range features	<p>Range of high pressure sodium lamps with double arc tube construction</p> <p>Dual arc tube design guarantees immediate re-strike after a power interruption</p> <p>Doubled lamp life and reduced occurrence of early failures</p> <p>Exceptional reliability, offering 6 years of maintenance-free service and superior lumen maintenance, exceeding 95% over life</p> <p>Ideal for applications which are difficult to access, or where maintenance is expensive</p> <p>Perfect for tunnels, airports, military installations, harbours and industrial sites</p>
Product name	SA SHP-TS 100W TWINARC E40 SL
Average life (Rated) (h)	55000
Rated survival factor at 12000 h	0.98

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0020724

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
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
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
Special purpose lamp	No
Technology	HID
Transformer required	no
Sales pack quantity	12
E-number SE	8358007
E-number FI	4845530

Electrical data

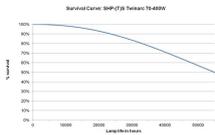
Current (A)	1.2
Ignition voltage (V)	0
kWh per 1000 hours burning time	110
Watt (Nominal) (W)	100
Efficacy (Rated) (lm/w)	99
Watt (Rated) (W)	100
Voltage (V)	100

Physical data

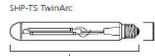
Max. Lamp Diameter (mm) - D	48
Lamp Length (mm) - C/L	211
Single packaging type	Box/Sleeve
Weight (kg)	0.12
Outer package dimensions (L x W x H) (cm)	28.00 x 23.00 x 25.00
Single package dimensions (L x W x H) (cm)	22.50 x 5.00 x 5.00

TECHNICAL DRAWINGS

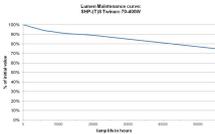
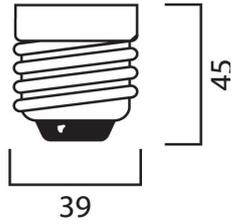
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E40



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



ENERGY LABEL
Y IJA
IE IA
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SYLVANIA 0020724

A⁺⁺
A⁺ **A⁺**
A
B
C
D
E

110 kWh/1000h