

SHP-S/SHP-TS Super

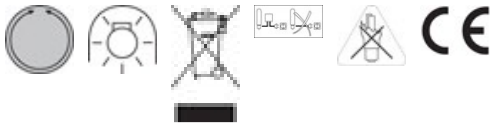
SA SHP-TS 400W E40 SLV

0020714



Range Features

- Patented new construction featuring the Sylvania Wound Ignition Antenna for the ultimate starting reliability throughout lamp life
- Exclusive frameless construction delivers superior system efficiency and improves lumen maintenance over life
- Exceptional reliability, offering 4 years service with over 95% lumen maintenance
- Super versions with high xenon pressure boost luminous efficacy up to 150 lm/W
- Offers increased lighting levels and an extended maintenance-free service life in all road and industrial applications



PRODUCT OVERVIEW

| | |
|----------------------------------------------|---------------|
| Lampenoberfläche | clear |
| Lampenform | tubular |
| Farbtemperatur (K) | 2050 |
| Ra | 20 |
| Dimmbar | Yes |
| EAN-Code | 5410288207148 |
| Energieklasse | A++ |
| Verschluss/Socket | E40 |
| Typ | SHP-TS |
| Watt (Nennleistung) (W) | 400 |
| Lichtfarbe | 0 |
| Bestellnummer | 0020714 |
| Lichtausbeute (Nennwert) (lm/W) | 142 |
| Durchschnittliche Lebensdauer (Nennwert) (h) | 32000 |
| Nutzbarer Lichtstrom (Nennwert) (lm) | 56500 |
| Technologie | HID |
| Spannung (V) | 100 |

DATENTABELLE

Optische Daten

| | |
|---------------------------------------------------|------|
| Umgebungstemperatur für maximalen Lichtstrom (°C) | 25 |
| Farbtemperatur (K) | 2050 |
| Ra | 20 |
| Lichtfarbe | 0 |

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|-------------------------------------------------|-------|
| Lichtstrom (Nennwert) (lm) | 55500 |
| Nennwert Lichtstrom nach 12.000 h | 0.91 |
| Nennwert Lichtstrom nach 12.000 h, 50 Hz | 0.91 |
| Nennwert Lichtstrom nach 16.000 h | 0.9 |
| Nennwert Lichtstrom nach 16.000 h, 50 Hz | 0.9 |
| Nennwert Lichtstrom nach 20.000 h | 0.89 |
| Nennwert Lichtstrom nach 20.000 h, 50 Hz | 0.89 |
| Nennwert Lichtstrom nach 2.000 h | 0.98 |
| Nennwert Lichtstrom nach 2.000 h, 50 Hz | 0.98 |
| Nennwert Lichtstrom nach 4.000 h | 0.96 |
| Nennwert Lichtstrom nach 4.000 h, 50 Hz | 0.96 |
| Nennwert Lichtstrom nach 6.000 h | 0.94 |
| Nennwert Lichtstrom nach 6.000 h, 50 Hz | 0.94 |
| Nennwert Lichtstrom nach 8.000 h | 0.93 |
| Nennwert Lichtstrom nach 8.000 h, 50 Hz | 0.93 |
| Nutzbarer Lichtstrom (Nennwert) (lm) | 56500 |

Allgemeine Daten

| | |
|--------------------------------------------|---------------------------------|
| Mittlere Lebensdauer (Nennwert) (h) | 32000 |
| Betriebsgerät erforderlich | yes |
| Lampenoberfläche | clear |
| Lampenform | tubular |
| Dimmbar | Yes |
| EAN-Code | 5410288207148 |
| Energieklasse | A++ |
| Leuchtennennwert | open |
| Allgemeiner Einsatz | Logistics and Industry; Outdoor |
| IEC-Referenz 2 | IEC 62035 |
| Einsatzzweck | General lighting |
| Verschluss/Socket | E40 |
| Quecksilbergehalt der Lampe (mg) | 21.6 |
| Typ | SHP-TS |
| Lebensdauer T90 | 16000 |

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Hinweise

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.

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|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bestellnummer | 0020714 |
| Lange Bezeichnung | Patented new construction featuring the Sylvania Wound Ignition Antenna for the ultimate starting reliability throughout lamp life Exclusive frameless construction delivers superior system efficiency and improves lumen maintenance over life Exceptional reliability, offering 4 years service with over 95% lumen maintenance Super versions with high xenon pressure boost luminous efficacy up to 150 lm/W Offers increased lighting levels and an extended maintenance-free service life in all road and industrial applications |
| Produktname | SA SHP-TS 400W E40 SLV |
| Durchschnittliche Lebensdauer (Nennwert) (h) | 32000 |
| Nennwert Überlebensfaktor nach 12.000 h | 0.96 |
| Nennwert Überlebensfaktor nach 12.000 h, 50 Hz | 0.96 |
| Nennwert Überlebensfaktor nach 16.000 h | 0.9 |
| Nennwert Überlebensfaktor nach 16.000 h, 50 Hz | 0.9 |
| Nennwert Überlebensfaktor nach 20.000 h | 0.81 |
| Nennwert Überlebensfaktor nach 20.000 h, 50 Hz | 0.81 |
| Nennwert Überlebensfaktor nach 2.000 h | 1 |

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| | |
|-----------------------------------------------|---------|
| Nennwert Überlebensfaktor nach 2.000 h, 50 Hz | 1 |
| Nennwert Überlebensfaktor nach 4.000 h | 1 |
| Nennwert Überlebensfaktor nach 4.000 h, 50 Hz | 1 |
| Nennwert Überlebensfaktor nach 6.000 h | 0.99 |
| Nennwert Überlebensfaktor nach 6.000 h, 50 Hz | 0.99 |
| Nennwert Überlebensfaktor nach 8.000 h | 0.99 |
| Nennwert Überlebensfaktor nach 8.000 h, 50 Hz | 0.99 |
| Lampen für spezielle Einsatzbereiche | No |
| Technologie | HID |
| Transformator erforderlich | no |
| Menge/Verpackungseinheit | 12 |
| E-Nummer SE | 8358016 |
| E-Nummer FI | 4845522 |

Elektrische Daten

| | |
|----------------------------------|-----|
| Stromstärke (A) | 4.5 |
| kWh pro 1.000 Stunden Brenndauer | 440 |
| Watt (Nennleistung) (W) | 400 |
| Lichtausbeute (Nennwert) (lm/W) | 142 |
| Watt (Nennwert) (W) | 400 |
| Spannung (V) | 100 |

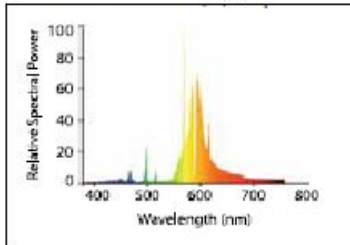
Physikalische Daten

| | |
|--------------------------------------------|-----------------------|
| Lampendurchmesser (mm) – D | 48 |
| Lampenlänge (mm) – C/L | 292 |
| Verpackungsbezeichnung | Box/Sleeve |
| Gewicht (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 |

PHOTOMETRIE

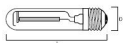
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Sodium SHP-(T)S Super



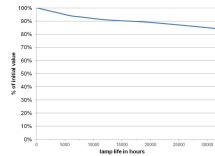
TECHNISCHE ZEICHNUNGEN

SHP-TS

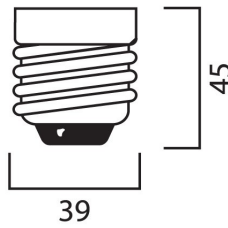


| SHP-TS | 35W | 50W | 70W | 100W | 150W | 250W | 400W |
|--------|-----|-----|-----|------|------|------|------|
| L | 156 | 156 | 156 | 211 | 211 | 260 | 292 |
| D | 39 | 39 | 39 | 48 | 48 | 48 | 48 |

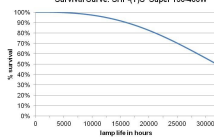
Lumen Maintenance curve:
SHP-TS Super 150-400W



E40



Survival Curve: SHP-(T)S Super 150-400W



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