

HSI-HX / HSI-THX

SA HSI-THX 400W 4K E40 SLV

0020546



Range Features

- HX family of metal halide lamps for use with a mercury ballast with soft ignitor
- HX family can also be operated on SHP control gear, resulting in both different output and colour temperature
- I internal ignitor versions available, for simpler circuits with no ignitor
- I versions can be used as a direct replacement for mercury discharge lamps
- High lumen package with good colour rendering properties
- For industrial applications such as petrol stations, car parks, rail yards
- Popular choice for sports arena lighting



PRODUCT OVERVIEW

| | |
|----------------------------|----------------|
| Lamp finish | clear |
| Lamp shape | tubular bulged |
| Colour temperature (K) | 4200 |
| CRI (Ra) | 70 |
| Dimmable | No |
| EAN code | 5410288205465 |
| Energy class | A+ |
| Cap/Base | E40 |
| Type | HSI-THX |
| Watt (Nominal) (W) | 400 |
| Light colour | 940 Cool White |
| Ordering number | 0020546 |
| Efficacy (Rated) (lm/w) | 92 |
| Average life (Rated) (h) | 20000 |
| Luminous flux (Rated) (lm) | 36000 |
| Technology | HID |
| Voltage (V) | 130 |

DATA TABLE

Optical data

| | |
|--|----|
| Ambient temperature for maximum luminous flux (°C) | 25 |
|--|----|

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| | |
|---|----------------|
| Colour temperature (K) | 4200 |
| CRI (Ra) | 70 |
| Light colour | 940 Cool White |
| Luminous flux (Nominal) (lm) | 36000 |
| Rated lumen maint. factor at 12000 h | 0.5 |
| Rated lumen maint. factor at 12000 h 50Hz | 0.5 |
| Rated lumen maint. factor at 16000 h | 0.48 |
| Rated lumen maint. factor at 16000 h 50Hz | 0.48 |
| Rated lumen maint. factor at 20000 h | 0.46 |
| Rated lumen maint. factor at 20000 h 50Hz | 0.46 |
| Rated lumen maint. factor at 2000 h | 0.81 |
| Rated lumen maint. factor at 2000 h 50Hz | 0.81 |
| Rated lumen maint. factor at 4000 h | 0.68 |
| Rated lumen maint. factor at 4000 h 50Hz | 0.68 |
| Rated lumen maint. factor at 6000 h | 0.6 |
| Rated lumen maint. factor at 6000 h 50Hz | 0.6 |
| Rated lumen maint. factor at 8000 h | 0.55 |
| Rated lumen maint. factor at 8000 h 50Hz | 0.55 |
| Luminous flux (Rated) (lm) | 36000 |

General data

| | |
|----------------------------|---------------------------------|
| Average life (Nominal) (h) | 20000 |
| Control gear required | yes |
| Lamp finish | clear |
| Lamp shape | tubular bulged |
| Dimmable | No |
| EAN code | 5410288205465 |
| 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) | 38 |
| Type | HSI-THX |
| Life T90 | 10000 |
| Ordering number | 0020546 |

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Range features

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 For industrial applications such as petrol stations, car parks, rail yards
 Popular choice for sports arena lighting

| | |
|--|----------------------------|
| Product name | SA HSI-THX 400W 4K E40 SLV |
| Average life (Rated) (h) | 20000 |
| Rated survival factor at 12000 h | 0.84 |
| Rated survival factor at 12000 h 50Hz | 0.84 |
| Rated survival factor at 16000 h | 0.69 |
| Rated survival factor at 16000 h 50Hz | 0.69 |
| Rated survival factor at 20000 h | 0.5 |
| Rated survival factor at 20000 h 50Hz | 0.5 |
| 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 | 0.99 |
| Rated survival factor at 6000 h | 0.97 |
| Rated survival factor at 6000 h 50Hz | 0.97 |
| Rated survival factor at 8000 h | 0.94 |
| Rated survival factor at 8000 h 50Hz | 0.94 |
| Special purpose lamp | No |
| Technology | HID |
| Transformer required | no |
| Sales pack quantity | 12 |
| E-number SE | 8359003 |
| E-number FI | 4844708 |

Electrical data

| | |
|--|-----|
| Current (A) | 3.4 |
| Ignition voltage (V) | 0 |
| kWh per 1000 hours burning time | 440 |
| Watt (Nominal) (W) | 400 |
| Efficacy (Rated) (lm/w) | 92 |
| Watt (Rated) (W) | 400 |
| Voltage (V) | 130 |

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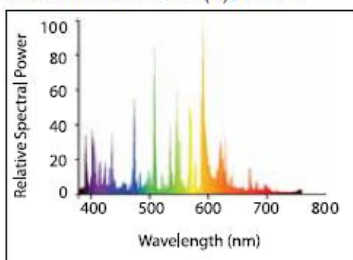
0020546

Physical data

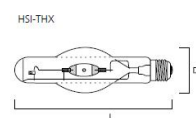
| | |
|---|-----------------------|
| Max. Lamp Diameter (mm) - D | 63 |
| Lamp Length (mm) - C/L | 270 |
| Single packaging type | Box/Sleeve |
| Weight (kg) | 0.23 |
| Outer package dimensions (L x W x H) (cm) | 33.50 x 32.50 x 26.50 |
| Single package dimensions (L x W x H) (cm) | 33.00 x 6.20 x 6.20 |

PHOTOMETRY

Metal Halide HSI-(T)HX/CL

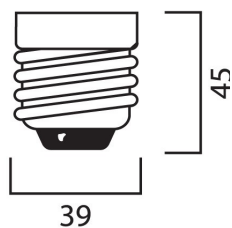


TECHNICAL DRAWINGS



| HSI-SX T | 250W | 400W |
|----------|------|------|
| L | 257 | 270 |
| D | 48 | 63 |

E40



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