

High Pressure Sodium Lamps

Description: HPSE.50W/E27

Performance Data

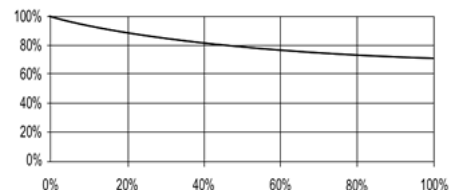
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|---|----------------|
| Rated Light Output (Lumens @ 100 hours) | 3300 |
| Lamp Lumens per Watt | 66 |
| Rated Life (Hrs @ 10Hr./Start) | 28000+ |
| Correlated Colour Temperature (K) | 2000 |
| Chromaticity (CIE - X Y) | 540,415 |
| Colour Rendering Index (CRI) or (Ra) | 25 |
| Typical Warm Up Time (Minutes) | 5 |
| Typical Hot Restart Time (Minutes) | 1 |
| Burning Position | Universal |
| Energy Rating (ErP) | A 55 kWh/1000h |

Physical Data

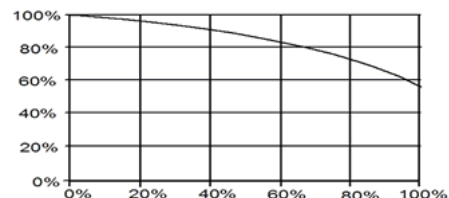
| | |
|----------------------------|---------------|
| Base Designation | E27 |
| Bulb Diameter (mm) | 72 |
| Max. Overall Length (mm) | 156 |
| Max. Base Temperature (°C) | 210 |
| Max. Bulb Temperature (°C) | 400 |
| Luminaire Type | Open/Enclosed |
| Socket Pulse Rating (KV) | 2.8 |
| Mercury Content (mg) | 2.5 |

Lamp Electrical Data

| | |
|-------------------------------------|----------------|
| Nominal Lamp Wattage (W) | 50 |
| Lamp Operating Voltage (V) | 88 |
| Lamp Operating Current (A) | 0.75 |
| Min. Open Circuit Voltage (RMS) | 198 |
| Min. Starting Pulse (Peak V) | 1800-2300 |
| Min. Pulse Width (Microseconds) | 1 @2700V |
| Min. Pulse Rate Per ½ cycle | 1 |
| Pulse Position (Electrical Degrees) | 60-90, 240-270 |



Lumen Maintenance (Light Output vs. Rated Life)



Lamp Mortality (Survivors vs. Rated Life)

Revision: 28-02-2012

See page 2 for product notes

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Notes:

Standard high pressure sodium lamps are suitable for use outside the EU

This Product Specification contains data about typical performance at nominal power. Actual values may depend on ballast and applications. Complies with (CE), Low Voltage (CE), WEEE and RoHS Directives.