

High Pressure Sodium Lamps

Description: HPST.70W/E27/HO

Performance Data

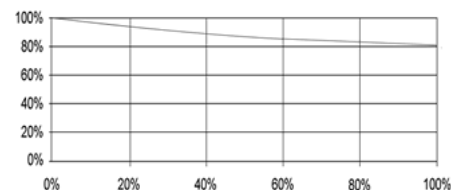
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|---|-----------------|
| Rated Light Output (Lumens @ 100 hours) | 6500 |
| Lamp Lumens per Watt | 93 |
| Rated Life (Hrs @ 10Hr./Start) | 32000 |
| Correlated Colour Temperature (K) | 2000 |
| Chromaticity (CIE - X Y) | 540,420 |
| Colour Rendering Index (CRI) or (Ra) | 25 |
| Typical Warm Up Time (Minutes) | 5 |
| Typical Hot Restart Time (Minutes) | 1 |
| Burning Position | Universal |
| Energy Rating (ErP) | A+ 77 kWh/1000h |

Physical Data

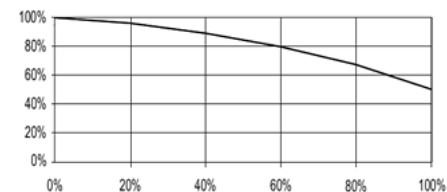
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|----------------------------|---------------|
| Base Designation | E27 |
| Bulb Diameter (mm) | 38 |
| Max. Overall Length (mm) | 156 |
| Light Centre Length (mm) | 97 |
| Effective Arc Length (mm) | 34.8 |
| Max. Base Temperature (°C) | 210 |
| Max. Bulb Temperature (°C) | 400 |
| Luminaire Type | Open/Enclosed |
| Socket Pulse Rating (KV) | 2.8 |
| Mercury Content (mg) | 3.75 |

Lamp Electrical Data

| | |
|-------------------------------------|----------------|
| Nominal Lamp Wattage (W) | 70 |
| Lamp Operating Voltage (V) | 90 |
| Lamp Operating Current (A) | 1.0 |
| 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: 05-05-2011

See page 2 for product notes

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Notes:

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.