HPL High pressure mercury

HPL-N

HPL E26/E27

Product Description

- Standard High Pressure Mercury lamp

Product Feature

- Equipped with 1 or 2 auxiliary electrodes to ensure quick and reliable ignition
- Single-ended gas-filled glass bulb (HG-SG) with a quartz mercury vapour discharge tube
- Internally coated ovoid outer bulb, providing a cool, bluish white light with reasonable color qualities

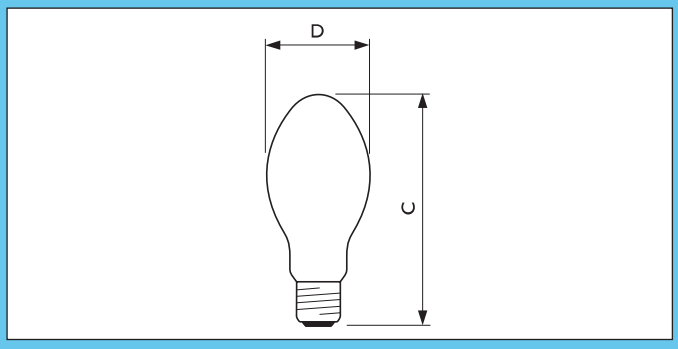
Product Benefit

- Good budget alternative

Application

- All outdoor applications, factories, transport sector and industrial area lighting

Dimensions in mm



	Overall length	Diameter
Product ID	C max.	D max.
80W	135	71
125W	171.5	76
200W	173	91
250W	228	91
400W	290	121.5
1000W	399	166.5

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Preferred selection

Product ID	Rated Lamp Wattage (W)	Lamp Current EL (A)	Lamp Voltage (V)	Cap Base	Color Temperature (K)	Color Rendering Index (R_a)	Chromaticity Coordinate X	Chromaticity Coordinate Y
HPL-N 80W/542 E27 SG 1CT	80	0.8	115	E27	4200	48	370	366
HPL-N 125W/542 E27 SG 1CT	125	1.15	125	E27	4200	46	374	373
HPL-N 250W/542 E40 HG SLV	250	2.1	135	E40	4100	45	381	383
HPL-N 400W/542 E40 HG SLV	400	3.25	140	E40	3900	45	384	384
HPL-N 1000W/542 E40 HG CRP	1000	7.5	145	E40	3900	36	390	395

Product ID	Bulb Finish	Luminous Flux Lamp EM/CuFe (lm)	Luminous Efficacy Lamp EM (lm/W)	Ignition Supply Voltage (V)	Cap-Base Temperature (C)	Bulb Temperature (C)	Nett Weight Product In Grams (gr)
HPL-N 80W/542 E27 SG 1CT	Coated	3700	44.50	180	200	350	57
HPL-N 125W/542 E27 SG 1CT	Coated	6200	50	180	200	350	76
HPL-N 250W/542 E40 HG SLV	Coated	12700	51	180	250	350	184
HPL-N 400W/542 E40 HG SLV	Coated	22000	55	180	250	350	260
HPL-N 1000W/542 E40 HG CRP	Coated	58500	59	180	250	350	520

Spectral power distribution

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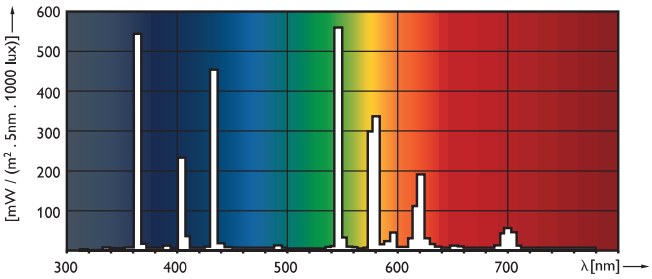

Performance diagrams

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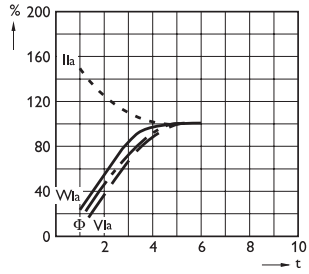
Lamp performance during run up



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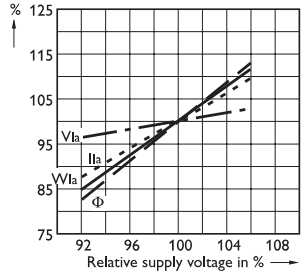
Effects of mains voltage variations



I_{la} = Lamp current
Φ = Luminous Flux
V_{la} = Lamp Voltage
W_{la} = Lamp Wattage