

HPL High Pressure Mercury HPL-N



Product Description

- Standard High Pressure Mercury lamp

Product Features

- Equipped with 1 or 2 auxiliary electrodes to ensure quick and reliable ignition

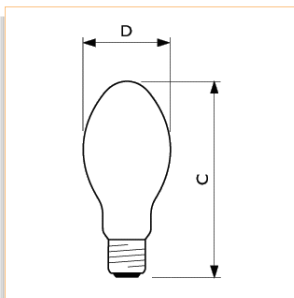
- Single-ended gas-filled glass bulb (HG-SG) with a quartz mercury vapour discharge tube
- Internally coated ovoid outer bulb, providing a cool, bluish white light with reasonable colour qualities

Product Benefits

- Good budget alternative

Application

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



Dimensions (mm)

Dim. no.	C max.	D max.
1	130	56
2	155	71
3	173	76
4	184	76
5	228	91
6	290	121.5
7	328	141.5
8	399	166.5

Commercial product name						Colour Rendering Index (R _a)	Colour Temperature (K)	Lamp Luminous Flux EM (lm)	Burning Position	Dim. no.	Photo letter	Ordering number
Type	Wattage/Colour designation	Cap/base	Bulb material	Packing type	Packing configuration							
HPL-N	50W/542	E27	SG	SLV	24	49	4200	1800	Any	1	B	8711500... 179913 30
HPL-N	80W/542	E27	SG	SLV	24	48	4200	3700	Any	2	B	179975 30
HPL-N	125W/542	E27	SG	SLV	24	46	4200	6200	Any	3	B	180124 30
HPL-N	125W/542	E40	HG	SLV	24	46	4100	6200	Any	4	A	180308 30
HPL-N	250W/542	E40	HG	CRP	12	45	4100	12700	Any	5	A	180605 15
HPL-N	400W/542	E40	HG	CRP	6	45	3900	22000	Any	6	A	180452 10
HPL-N	700W/542	E40	HG	CRP	6	45	3900	38500	Any	7	A	183910 10
HPL-N	1000W/542	E40	HG	CRP	6	36	3900	58500	Any	8	A	184030 10

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Additional technical data

Product name	Lamp Voltage (V)	Bulb	Bulb Finish	Bulb Temperature max. (°C)	Cap-Base Temperature max. (°C)	Product Nett weight (g)
HPL-N 50W/542 E27 SG	95	BD55	Coated	350	200	46
HPL-N 80W/542 E27 SG	115	BD70	Coated	350	200	57
HPL-N 125W/542 E27 SG	125	BD75	Coated	350	200	76
HPL-N 125W/542 E40 HG	125	B75	Coated	350	200	126
HPL-N 250W/542 E40 HG	135	BD90	Coated	350	250	184
HPL-N 400W/542 E40 HG	140	BD120	Coated	350	250	260
HPL-N 700W/542 E40 HG	145	BD140	Coated	350	250	344
HPL-N 1000W/542 E40 HG	145	BD165	Coated	350	250	520

Product name	Dimmable	Lamp Current EM (A)	Lamp Luminous Efficacy EM (lm/W)	Lamp Wattage EM (W)	Recommended ballast
HPL-N 50W/542 E27 SG	no	0.61	36.0	50	BHL50L202
HPL-N 80W/542 E27 SG	no	0.80	44.5	80	BHL80L202
HPL-N 125W/542 E27 SG	no	1.15	50.0	125	BHL125L202
HPL-N 125W/542 E40 HG	no	1.15	50.0	125	BHL125L202
HPL-N 250W/542 E40 HG	no	2.10	51.0	250	BHL250L202
HPL-N 400W/542 E40 HG	no	3.25	55.0	400	BHL400L202
HPL-N 700W/542 E40 HG	no	5.40	55.0	700	BHL700L202
HPL-N 1000W/542 E40 HG	no	7.50	59.0	1000	BHL1000L78

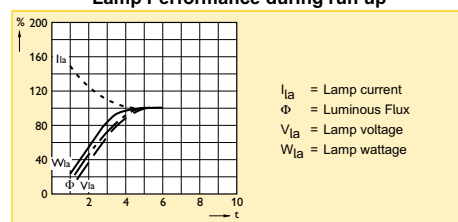
Logistic data

Product name	Packing type	Packing type description	Packs per outer box	Packing configu- ration	Quantity per pack	Packing length (mm)	Packing width (mm)	Packing height (mm)	Gross weight per piece (g)	Net weight per piece (g)
HPL-N 50W/542 E27 SG	SLV	1 Sleeve	24	24	1	245	185	270	60.00	45
HPL-N 80W/542 E27 SG	SLV	1 Sleeve	24	24	1	459	309	164	78.43	54
HPL-N 125W/542 E27 SG	SLV	1 Sleeve	24	24	1	480	324	195	92.00	63
HPL-N 125W/542 E40 HG	SLV	1 Sleeve	24	24	1	456	308	187	157.00	95
HPL-N 250W/542 E40 HG	CRP	1 Corrugated Pack	12	12	1	413	315	260	253.00	180
HPL-N 400W/542 E40 HG	CRP	1 Corrugated Pack	6	6	1	384	259	320	384.00	245
HPL-N 700W/542 E40 HG	CRP	1 Corrugated Pack	6	6	1	555	395	425	610.00	300
HPL-N 1000W/542 E40 HG	CRP	1 Corrugated Pack	6	6	1	580	410	475	802.00	420

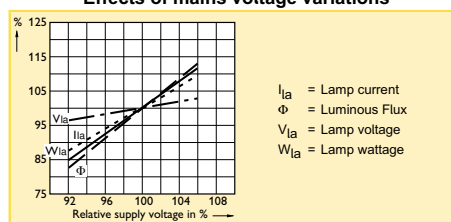
Performance diagrams

HPL Comfort/HPL-N

Lamp Performance during run up

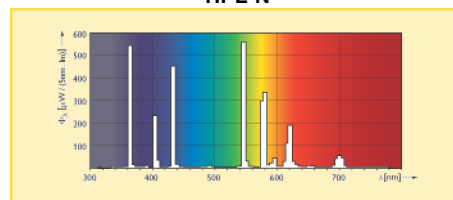


Effects of mains voltage variations



Spectral power distribution

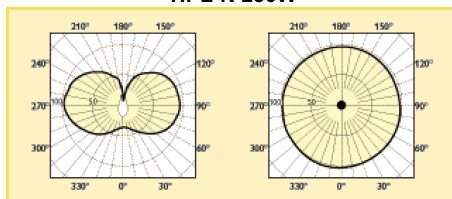
HPL-N



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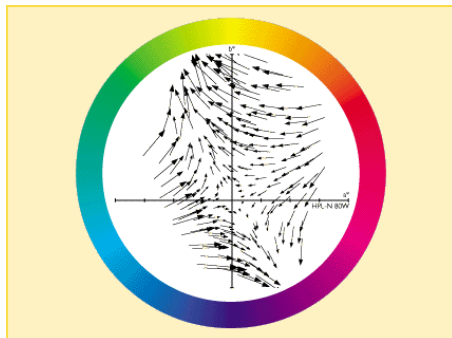
Light distribution curves

HPL-N 250W

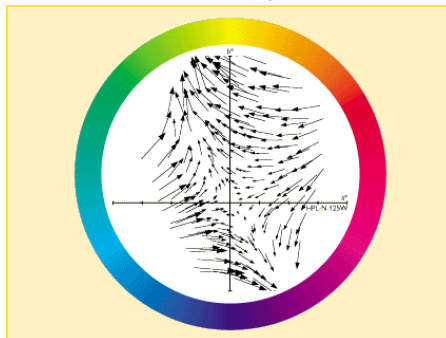


CRV diagrams

HPL-N

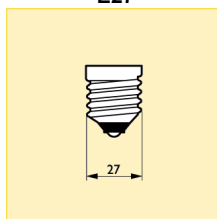


HPL-N 125W

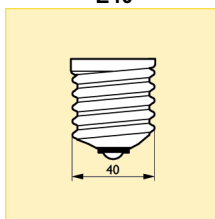


Cap/base

E27



E40



Additional extended technical data

Product name	Chromaticity Coordinate X	Chromaticity Coordinate Y	Bulb Material	Ignition Supply Voltage min. (V)	Colour Designation (text)
HPL-N 50W/542 E27 SG	371	370	Soft Glass	180	Cool White
HPL-N 80W/542 E27 SG	370	366	Soft Glass	180	Cool White
HPL-N 125W/542 E27 SG	374	373	Soft Glass	180	Cool White
HPL-N 125W/542 E40 HG	374	373	Hard Glass	198	Cool White
HPL-N 250W/542 E40 HG	381	383	Hard Glass	180	Cool White
HPL-N 400W/542 E40 HG	384	384	Hard Glass	180	Cool White
HPL-N 700W/542 E40 HG	390	390	Hard Glass	180	Cool White
HPL-N 1000W/542 E40 HG	390	395	Hard Glass	180	Cool White

Burning position

Any

