HPL-N

HPL-N 250W/542 E40 HG 1SL

Standard High Pressure Mercury lamp

Product data

- General Characteristics

Cap-Base	E40
Bulb	BD90 [BD 90mm]
Bulb Material	Hard Glass
Bulb Finish	Coated
Operating Position	any [Any or Universal (U)]
Life to 5% failures	6000 hr
Life to 20% failures	12000 hr
Life to 50% failures	16000 hr
LSF EM 20000h Rated,12h cycle	28 %
LSF EM 16000h Rated,12h cycle	45 %
LSF EM 12000h Rated,12h cycle	65 %
LSF EM 8000h Rated, 12h cycle	83 %
LSF EM 6000h Rated, 12h cycle	92 %
LSF EM 4000h Rated, 12h cycle	97 %
LSF EM 2000h Rated, 12h cycle	99 %

- Light Technical Characteristics

Color Code	542 [CCT of 4200K]
Color Rendering Index	45 Ra8
Color Designation (text)	Cool White
Color Temperature	4100 K
Chromaticity Coordinate X	381 -
Chromaticity Coordinate Y	383 -
Lumen Maintenance 2000h	90 %
Lumen Maintenance 5000h	85 %
Lum Efficacy Rated EM 25°C	51 Lm/W
LLMF EM 20000h Rated	72 %
LLMF EM 16000h Rated	75 %
LLMF EM 12000h Rated	78 %
LLMF EM 8000h Rated	82 %
LLMF EM 6000h Rated	84 %
LLMF EM 4000h Rated	86 %
LLMF EM 2000h Rated	88 %
Luminous Flux EM 25°C, Rated	12700 Lm

- Electrical Characteristics

Lamp Wattage	250 W
Lamp Voltage	135 V
Lamp Current EM	2.1 A
Dimmable	No
Lamp Wattage EM 25°C, Rated	250 W
Lamp Wattage EM 25°C, Nominal	250 W

PHILIPS

sense and simplicity

HPL-N

- Environmental Characteristics

Mercury (Hg) Content	38 mg

- Luminaire Design Requirements

Cap-Base Temperature	250 (max) C
Bulb Temperature	350 (max) C

- Product Dimensions

Overall Length C	228 (max) mm
Diameter D	91 (max) mm

- Product Data

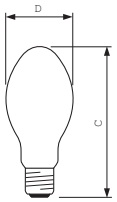
Order code	928053007422

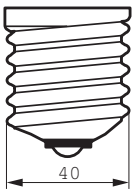
Full product code	928053007422
Full product name	HPL-N 250W/542 E40 HG 1SL
Order product name	HPL-N 250W/542 E40 HG 1SL/12
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500180605
Bar code on outerbox - EAN3	8711500180612
Logistic code(s) - 12NC	928053007422
ILCOS code	QE-250/41/3-H-E40
Net weight per piece	0.180 kg

Warnings and Safety

- For use with control gear designed for high-pressure mercury lamps

Dimensional drawing

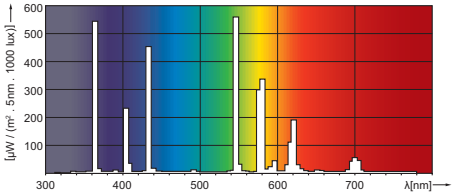




HPL, E26/E27/E39/E40

Product	C (Max)	D (Max)
HPL N 250W E40 HG	226	91

Photometric data



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Lamps being part of this product family comply with Commission Regulation (EC) No 245/2009 – Ecodesign requirements, applicable from 13 April 2010.
1.3 Product information requirements on lamps
a) Nominal and rated lamp wattage;
b) Nominal and rated lamp luminous flux;
c) Rated lamp efficacy at 100 h in standard conditions.
d) Rated lamp Lumen Maintenance Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
e) Rated lamp Survival Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
f) Lamp mercury content as X.X mg;
g) Colour Rendering Index (Ra) of the lamp;
h) Colour temperature of the lamp;
i) Ambient temperature inside the luminaire at which the lamp was designed to maximise its luminous flux. If this temperature is equal to or lower than 0 °C or equal to or higher than 50 °C it shall be stated that the lamp is not suitable for indoor use at standard room temperatures;
For more information see http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:076:0017:0044:EN:PDF

www.philips.com/lighting

2011, November 15
data subject to change