# HPL-N

## HPL-N 80W/542 E27 SG 1SL

Standard High Pressure Mercury lamp

## Product data

- General Characteristics

| | |
|---|---|
| Cap-Base | E27 |
| Bulb | BF70 [BF 70mm] |
| Bulb Material | Soft Glass |
| Bulb Finish | Coated |
| Operating Position | any [Any or Universal (U)] |
| Life to 5% failures | 6000 hr |
| Life to 20% failures | 10000 hr |
| Life to 50% failures | 16000 hr |
| LSF EM 20000h Rated,12h cycle | 50 % |
| LSF EM 16000h Rated,12h cycle | 68 % |
| LSF EM 12000h Rated,12h cycle | 80 % |
| LSF EM 8000h Rated, 12h cycle | 92 % |
| LSF EM 6000h Rated, 12h cycle | 95 % |
| LSF EM 4000h Rated, 12h cycle | 98 % |
| LSF EM 2000h Rated, 12h cycle | 99 % |

- Light Technical Characteristics

| | |
|---|---|
| Color Code | 542 [CCT of 4200K] |
| Color Rendering Index | 48 Ra8 |
| Color Designation (text) | Cool White |
| Color Temperature | 4200 K |
| Chromaticity Coordinate X | 370 - |
| Chromaticity Coordinate Y | 366 - |
| Lumen Maintenance 2000h | 90 % |
| Lumen Maintenance 5000h | 85 % |
| Lum Efficacy Rated EM 25°C | 44.5 Lm/W |
| LLMF EM 20000h Rated | 76 % |
| LLMF EM 16000h Rated | 80 % |
| LLMF EM 12000h Rated | 85 % |
| LLMF EM 8000h Rated | 88 % |
| LLMF EM 6000h Rated | 89 % |
| LLMF EM 4000h Rated | 91 % |
| LLMF EM 2000h Rated | 92 % |
| Luminous Flux EM 25°C, Rated | 3600 Lm |

- Electrical Characteristics

| | |
|---|---|
| Lamp Wattage | 80 W |
| Lamp Voltage | 115 V |
| Lamp Current EM | 0.8 A |
| Dimmable | No |
| Lamp Wattage EM 25°C, Rated | 80 W |
| Lamp Wattage EM 25°C, Nominal | 80 W |

PHILIPS

sense and simplicity

# HPL-N

- Environmental Characteristics

| | |
|---|---|
| Mercury (Hg) Content | 14 mg |

- Luminaire Design Requirements

| | |
|---|---|
| Cap-Base Temperature | 200 (max) C |
| Bulb Temperature | 350 (max) C |

- Product Dimensions

| | |
|---|---|
| Overall Length C | 155 (max) mm |
| Diameter D | 71 (max) mm |

- Product Data

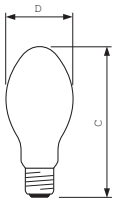
| | |
|---|---|
| Order code | 928051007360 |

| | |
|---|---|
| Full product code | 928051007360 |
| Full product name | HPL-N 80W/542 E27 SG 1SL |
| Order product name | HPL-N 80W/542 E27 SG 1SL/24 |
| Pieces per pack | 1 |
| Packing configuration | 24 |
| Packs per outerbox | 24 |
| Bar code on pack - EAN1 | 8711500179975 |
| Bar code on outerbox - EAN3 | 8711500179982 |
| Logistic code(s) - 12NC | 928051007360 |
| ILCOS code | QE-80/43/3-H-E27 |
| Net weight per piece | 0.054 kg |

## Warnings and Safety

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

## Dimensional drawing

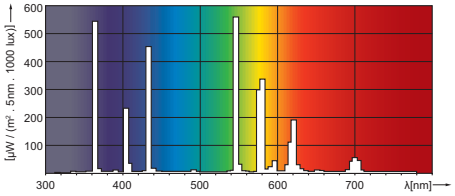




**HPL, E26/E27/E39/E40**

| Product | C (Max) | D (Max) |
|---|---|---|
| HPL N 80W E27 SG | 155 | 71 |

## Photometric data




HPL-N

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**

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data subject to change