# HPL-N

HPL-N 80W/542 E27 1CT/24

Standard High Pressure Mercury lamp

## Product data

### General Information

<table>
<thead>
<tr>
<th>Cap-Base</th>
<th>E27 [ E27]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Position</td>
<td>UNIVERSAL [ Any or Universal (U)]</td>
</tr>
<tr>
<td>Life to 5% Failures (Nom)</td>
<td>6000 h</td>
</tr>
<tr>
<td>Life to 20% Failures (Nom)</td>
<td>12000 h</td>
</tr>
<tr>
<td>Life to 50% Failures (Nom)</td>
<td>20000 h</td>
</tr>
<tr>
<td>LSF 2000 h Rated</td>
<td>99 %</td>
</tr>
<tr>
<td>LSF 4000 h Rated</td>
<td>98 %</td>
</tr>
<tr>
<td>LSF 6000 h Rated</td>
<td>95 %</td>
</tr>
<tr>
<td>LSF 8000 h Rated</td>
<td>92 %</td>
</tr>
<tr>
<td>LSF 12000 h Rated</td>
<td>80 %</td>
</tr>
<tr>
<td>LSF 16000 h Rated</td>
<td>68 %</td>
</tr>
<tr>
<td>LSF 20000 h Rated</td>
<td>50 %</td>
</tr>
</tbody>
</table>

### Light Technical

| Color Code | 542 [ CCT of 4200K] |
| Luminous Flux (Rated) (Nom) | 3600 lm |
| Color Designation | Cool White (CW) |
| Lumen Maintenance 2000 h (Min) | 82 % |
| Lumen Maintenance 2000 h (Nom) | 92 % |
| Lumen Maintenance 5000 h (Min) | 80 % |
| Lumen Maintenance 5000 h (Nom) | 90 % |
| Chromaticity Coordinate X (Nom) | 370 |
| Chromaticity Coordinate Y (Nom) | 366 |
| Correlated Color Temperature (Nom) | 4300 K |
| Luminous Efficacy (rated) (Nom) | 44.5 lm/W |

### Color Rendering Index (Nom)

| Color Rendering Index (Nom) | 45 |
| LLMF 2000 h Rated | 92 % |
| LLMF 4000 h Rated | 91 % |
| LLMF 6000 h Rated | 89 % |
| LLMF 8000 h Rated | 88 % |
| LLMF 12000 h Rated | 85 % |
| LLMF 16000 h Rated | 80 % |
| LLMF 20000 h Rated | 76 % |

### Operating and Electrical

| Power (Nom) | 80.0 W |
| Lamp Current (EM) (Nom) | 0.8 A |
| Ignition Supply Voltage (Max) | 170 V |
| Voltage (Max) | 125 V |
| Voltage (Min) | 105 V |
| Voltage (Nom) | 115 V |

### Controls and Dimming

| Dimmable | No |

### Mechanical and Housing

| Bulb Finish | Coated glass |
| Bulb Material | Soft Glass |

### Approval and Application

| Energy Efficiency Label (EEL) | B |

Datasheet, 2020, March 19

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Mercury (Hg) Content (Nom) 14.0 mg
Energy Consumption kWh/1000 h 88 kWh

Luminaire Design Requirements
Bulb Temperature (Max) 350 °C
Cap-Base Temperature (Max) 200 °C

Product Data
Full product code 692059027777100
Order product name HPL-N 80W/542 E27 1CT/24

Dimensional drawing

<table>
<thead>
<tr>
<th>Product</th>
<th>D (max)</th>
<th>C (max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPL-N 80W/542 E27 1CT/24</td>
<td>71 mm</td>
<td>155 mm</td>
</tr>
</tbody>
</table>

Photometric data

LDPO_HPL_N-Spectral power distribution Colour

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Lifetime

LDLE_HPL_0001-Life expectancy diagram

LDLM_HPL_0001-Lumen maintenance diagram

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