



# Product Description

## HPL-N

Standard High Pressure Mercury lamp

### Benefits

- Good budget alternative

### 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

### Application

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

### Warnings and Safety

- For use with control gear designed for high-pressure mercury lamps
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Controls and Dimming	
Dimmable	No
General Information	
LSF 2000 h Rated	99 %
Operating Position	UNIVERSAL
Luminaire Design Requirements	
Bulb Temperature (Max)	350 °C
Light Technical	
Colour Code	542
Colour Designation	Cool White (CW)
Mechanical and Housing	
Bulb Finish	Coated glass

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
928052007391	HPL-N 125W/542 E27 1CT/24	137 kWh	19.0 mg
928053007492	HPL-N 250W/542 E40 1SL/12	275 kWh	38 mg

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
928053507496	HPL-N 400W/542 E40 HG 1SL/6	440 kWh	72 mg

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
928052007391	HPL-N 125W/542 E27 1CT/24	1.15 A	135 V	115 V	125 V	125.0 W
928053007492	HPL-N 250W/542 E40 1SL/12	2.1 A	145 V	125 V	135 V	250.0 W
928053507496	HPL-N 400W/542 E40 HG 1SL/6	3.25 A	150 V	130 V	140 V	400.0 W

## General Information (1/2)

Order Code	Full Product Name	Cap-Base	Life To 20% Failures (Nom)	Life To 50% Failures (Nom)	Life To 5% Failures (Nom)	LSF 12000 h Rated	LSF 16000 h Rated	LSF 20000 h Rated
928052007391	HPL-N 125W/542 E27 1CT/24	E27	12000 h	20000 h	6000 h	80 %	68 %	50 %
928053007492	HPL-N 250W/542 E40 1SL/12	E40	10000 h	15000 h	5000 h	65 %	45 %	28 %
928053507496	HPL-N 400W/542 E40 HG 1SL/6	E40	12000 h	16000 h	6000 h	65 %	45 %	28 %

## General Information (2/2)

Order Code	Full Product Name	LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated
928052007391	HPL-N 125W/542 E27 1CT/24	98 %	95 %	92 %
928053007492	HPL-N 250W/542 E40 1SL/12	97 %	92 %	83 %

Order Code	Full Product Name	LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated
928053507496	HPL-N 400W/542 E40 HG 1SL/6	97 %	92 %	83 %

## Light Technical (1/3)

## HPL-N

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated Colour Temperature (Nom)	Colour			
		Coordinate X (Nom)	Coordinate Y (Nom)		Rendering Index (Nom)	LLMF 12000 h Rated	LLMF 16000 h Rated	LLMF 2000 h Rated
928052007391	HPL-N 125W/542 E27 1CT/24	374	373	4100 K	46	85 %	80 %	92 %
928053007492	HPL-N 250W/542 E40 1SL/12	381	383	4100 K	40	78 %	75 %	88 %
928053507496	HPL-N 400W/542 E40 HG 1SL/6	384	384	4200 K	50	78 %	75 %	88 %

### Light Technical (2/3)

Order Code	Full Product Name	LLMF	LLMF	LLMF	LLMF	Lumen	Lumen	Lumen	Lumen	Luminous
		20000 h Rated	4000 h Rated	6000 h Rated	8000 h Rated	Maintenance 2000 h (Min)	Maintenance 2000 h (Nom)	Maintenance 5000 h (Min)	Maintenance 5000 h (Nom)	Efficacy (rated) (Nom)
928052007391	HPL-N 125W/542 E27 1CT/24	76 %	91 %	89 %	88 %	82 %	92 %	80 %	90 %	50 lm/W
928053007492	HPL-N 250W/542 E40 1SL/12	72 %	86 %	84 %	82 %	78 %	88 %	75 %	85 %	51 lm/W
928053507496	HPL-N 400W/542 E40 HG 1SL/6	72 %	86 %	84 %	82 %	78 %	88 %	75 %	85 %	55 lm/W

### Light Technical (3/3)

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)	Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
928052007391	HPL-N 125W/542 E27 1CT/24	6200 lm	928053507496	HPL-N 400W/542 E40 HG 1SL/6	22000 lm
928053007492	HPL-N 250W/542 E40 1SL/12	12700 lm			

### Mechanical and Housing

Order Code	Full Product Name	Bulb Material	Bulb Shape	Order Code	Full Product Name	Bulb Material	Bulb Shape
928052007391	HPL-N 125W/542 E27 1CT/24	Soft Glass	E75	928053507496	HPL-N 400W/542 E40 HG 1SL/6	Hard Glass	ED120
928053007492	HPL-N 250W/542 E40 1SL/12	Hard Glass	ED90				

