



# 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.

# HPL-N

## Versions

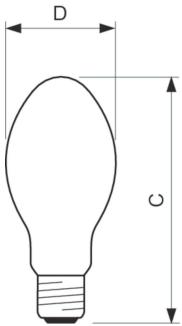


HPL, E26/E27



HPL, E39/40

## Dimensional drawing



Product	D (max)	C (max)
HPL-N 400W/542 E40 1SL/6	122 mm	290 mm
HPL-N 250W/542 E40 1SL/12	91 mm	226 mm
HPL-N 125W/542 E27 1CT/24	76 mm	173 mm

### Approval and Application

Energy Efficiency Label (EEL) B

### 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

Color Code 542

Color 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)
27779500	HPL-N 125W/542 E27 1CT/24	137 kWh	19.0 mg
27781800	HPL-N 250W/542 E40 1SL/12	275 kWh	38 mg
27793100	HPL-N 400W/542 E40 1SL/6	440 kWh	72 mg

## Operating and Electrical (1/2)

# HPL-N

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
27779500	HPL-N 125W/542 E27 1CT/24	1.15 A	135 V	115 V	125 V
27781800	HPL-N 250W/542 E40 1SL/12	2.1 A	145 V	125 V	135 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
27793100	HPL-N 400W/542 E40 1SL/6	3.25 A	150 V	130 V	140 V

## Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Nom)
27779500	HPL-N 125W/542 E27 1CT/24	125.0 W
27781800	HPL-N 250W/542 E40 1SL/12	250.0 W

Order Code	Full Product Name	Power (Rated) (Nom)
27793100	HPL-N 400W/542 E40 1SL/6	400.0 W

## General Information (1/2)

Order Code	Full Product Name	Cap-Base	Life To		
			20% Failures (Nom)	50% Failures (Nom)	5% Failures (Nom)
27779500	HPL-N 125W/542 E27 1CT/24	E27	12000 h	20000 h	6000 h
27781800	HPL-N 250W/542 E40 1SL/12	E40	10000 h	15000 h	5000 h

Order Code	Full Product Name	Cap-Base	Life To		
			20% Failures (Nom)	50% Failures (Nom)	5% Failures (Nom)
27793100	HPL-N 400W/542 E40 1SL/6	E40	10000 h	15000 h	5000 h

## General Information (2/2)

Order Code	Full Product Name	LSF 12000 h Rated	LSF 16000 h Rated	LSF 20000 h Rated	LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated
27779500	HPL-N 125W/542 E27 1CT/24	80 %	68 %	50 %	98 %	95 %	92 %
27781800	HPL-N 250W/542 E40 1SL/12	65 %	45 %	28 %	97 %	92 %	83 %
27793100	HPL-N 400W/542 E40 1SL/6	65 %	45 %	28 %	97 %	92 %	83 %

## Light Technical (1/3)

Order Code	Full Product Name	Chromaticity		Correlated Color	Color Rendering
		Coordinate X (Nom)	Coordinate Y (Nom)	Temperature (Nom)	Index (Nom)
27779500	HPL-N 125W/542 E27 1CT/24	374	373	4100 K	46
27781800	HPL-N 250W/542 E40 1SL/12	381	383	4100 K	40

Order Code	Full Product Name	Chromaticity		Correlated Color	Color Rendering
		Coordinate X (Nom)	Coordinate Y (Nom)	Temperature (Nom)	Index (Nom)
27793100	HPL-N 400W/542 E40 1SL/6	384	384	3900 K	40

## Light Technical (2/3)

Order Code	Full Product Name	LLMF							Lumen Maintenance	
		12000 h Rated	16000 h Rated	2000 h Rated	20000 h Rated	4000 h Rated	6000 h Rated	8000 h Rated	2000 h (Min)	2000 h (Nom)
27779500	HPL-N 125W/542 E27 1CT/24	85 %	80 %	92 %	76 %	91 %	89 %	88 %	82 %	92 %

# HPL-N

Order Code	Full Product Name	LLMF 12000	LLMF 16000	LLMF 2000	LLMF 20000	LLMF 4000	LLMF 6000	LLMF 8000	Lumen	Lumen
		h Rated	h Rated	h Rated	h Rated	h Rated	h Rated	h Rated	Maintenance 2000	Maintenance 2000
									h (Min)	h (Nom)
27781800	HPL-N 250W/542 E40 1SL/12	78 %	75 %	88 %	72 %	86 %	84 %	82 %	78 %	88 %
27793100	HPL-N 400W/542 E40 1SL/6	78 %	75 %	88 %	72 %	86 %	84 %	82 %	78 %	88 %

## Light Technical (3/3)

Order Code	Full Product Name	Lumen Maintenance 5000 h (Min)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
27779500	HPL-N 125W/542 E27 1CT/24	80 %	90 %	50 lm/W	6200 lm
27781800	HPL-N 250W/542 E40 1SL/12	75 %	85 %	51 lm/W	12700 lm

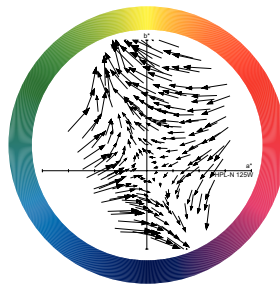
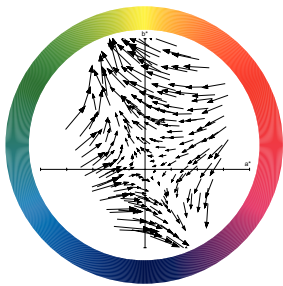
Order Code	Full Product Name	Lumen Maintenance 5000 h (Min)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
27793100	HPL-N 400W/542 E40 1SL/6	75 %	85 %	55 lm/W	22000 lm

## Mechanical and Housing

Order Code	Full Product Name	Bulb Material	Bulb Shape
27779500	HPL-N 125W/542 E27 1CT/24	Soft Glass	E75
27781800	HPL-N 250W/542 E40 1SL/12	Hard Glass	ED90

Order Code	Full Product Name	Bulb Material	Bulb Shape
27793100	HPL-N 400W/542 E40 1SL/6	Hard Glass	ED120

## Colour Rendering Diagrams



LDCR\_HPL\_0002-Colour rendering diagram

LDCR\_HPL\_N\_125W-Colour rendering diagram

