



Product Description

HPL-N

Standard High Pressure Mercury lamp

Benefits

- Good budget alternative

Features

- Equipped with one or two 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 color 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

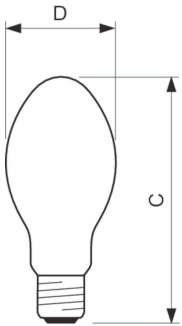


HPL, E26/E27



HPL, E39/40

Dimensional drawing



Product	D (max)	C (max)
HPL-N 400W/542 E40 HG 1SL	122 mm	290 mm
HPL-N 125W E27 SG 1CT/24	76 mm	173 mm

Controls and Dimming

Dimmable	No
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General Information

Life To 50% Failures (Nom)	16000 h
Life To 5% Failures (Nom)	6000 h
LSF 2000 h Rated	99 %
Operating Position	UNIVERSAL

Luminaire Design Requirements

Bulb Temperature (Max)	350 °C
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Light Technical

Color Code	542
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4200 K

Mechanical and Housing

Bulb Finish	Coated glass
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h (Nom)	Mercury (Hg) Content
928052007399	HPL-N 125W E27 SG 1CT/24	137 kWh	19.0 mg
928053507488	HPL-N 400W/542 E40 HG 1SL	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)
928052007399	HPL-N 125W E27 SG 1CT/24	1.15 A	135 V	115 V	125 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928053507488	HPL-N 400W/542 E40 HG 1SL	3.25 A	150 V	130 V	140 V

Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Nom)
928052007399	HPL-N 125W E27 SG 1CT/24	125.0 W

Order Code	Full Product Name	Power (Rated) (Nom)
928053507488	HPL-N 400W/542 E40 HG 1SL	400.0 W

General Information (1/2)

Order Code	Full Product Name	Cap-Base	Life To 20%		
			Failures (Nom)	LSF 12000 h Rated	LSF 16000 h Rated
928052007399	HPL-N 125W E27 SG 1CT/24	E27	10000 h	80 %	68 %

Order Code	Full Product Name	Cap-Base	Life To 20%		
			Failures (Nom)	LSF 12000 h Rated	LSF 16000 h Rated
928053507488	HPL-N 400W/542 E40 HG 1SL	E40	12000 h	65 %	45 %

General Information (2/2)

Order Code	Full Product Name	LSF			
		LSF 20000 h Rated	LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated
928052007399	HPL-N 125W E27 SG 1CT/24	50 %	98 %	95 %	92 %

Order Code	Full Product Name	LSF			
		LSF 20000 h Rated	LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated
928053507488	HPL-N 400W/542 E40 HG 1SL	28 %	97 %	92 %	83 %

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color	
				Rendering Index (Nom)	LLMF 12000 h Rated
928052007399	HPL-N 125W E27 SG 1CT/24	374	373	46	85 %

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color	
				Rendering Index (Nom)	LLMF 12000 h Rated
928053507488	HPL-N 400W/542 E40 HG 1SL	384	384	50	78 %

Light Technical (2/3)

Order Code	Full Product Name	LLMF 16000 h Rated		LLMF 20000 h Rated		LLMF 4000 h Rated		LLMF 6000 h Rated		LLMF 8000 h Rated		Lumen Maintenance 2000 h (Min)		Lumen Maintenance 2000 h (Nom)		Lumen Maintenance 5000 h (Min)	
		Rated	Rated	Rated	Rated	Rated	Rated	Rated	Rated	h (Min)	h (Nom)	h (Min)	h (Min)	h (Min)	h (Min)		
928052007399	HPL-N 125W E27 SG 1CT/24	80 %	92 %	76 %	91 %	89 %	88 %	82 %	92 %	80 %							
928053507488	HPL-N 400W/542 E40 HG 1SL	75 %	88 %	72 %	86 %	84 %	82 %	78 %	88 %	75 %							

Light Technical (3/3)

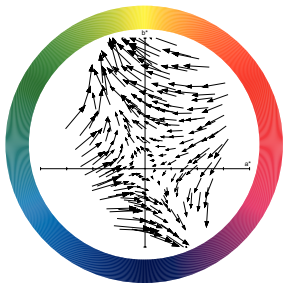
HPL-N

Order Code	Full Product Name	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
928052007399	HPL-N 125W E27 SG 1CT/24	90 %	50 lm/W	6200 lm
928053507488	HPL-N 400W/542 E40 HG 1SL	85 %	55 lm/W	22000 lm

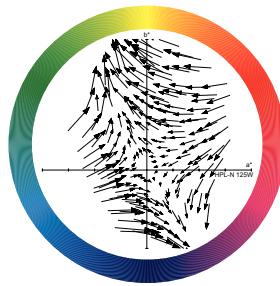
Mechanical and Housing

Order Code	Full Product Name	Bulb Material	Bulb Shape	Order Code	Full Product Name	Bulb Material	Bulb Shape
928052007399	HPL-N 125W E27 SG 1CT/24	Soft Glass	E75	928053507488	HPL-N 400W/542 E40 HG 1SL	Hard Glass	ED120

Colour Rendering Diagrams



LDCR_HPL_0002-Colour rendering diagram



LDCR_HPL_N_125W-Colour rendering diagram

