



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.

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Versions

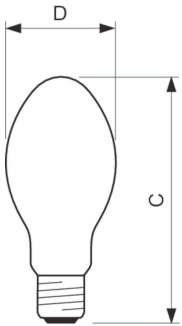


HPL, E26/E27



HPL, E39/40

Dimensional drawing



Product	D (max)	C (max)
HPL-N 125W E27 SG 1CT/24	76 mm	173 mm
HPL-N 400W/542 E40 HG 1SL	122 mm	290 mm
HPL-N 400W/542 E40 HG 1SL/6	122 mm	290 mm
HPL-N 250W/542 E40 1SL/12	91 mm	226 mm
HPL-N 80W/542 E27 1CT/24	71 mm	155 mm
HPL-N 125W/542 E27 1CT/24	76 mm	173 mm

Controls and dimming

Dimmable	No
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General information

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)

Mechanical and housing

Bulb Finish	Coated glass
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Approval and application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
928051007391	HPL-N 80W/542 E27 1CT/24	88 kWh	14.0 mg
928052007391	HPL-N 125W/542 E27 1CT/24	137 kWh	19.0 mg

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
928052007399	HPL-N 125W E27 SG 1CT/24	137 kWh	19.0 mg
928053007492	HPL-N 250W/542 E40 1SL/12	275 kWh	38 mg

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Order Code	Full Product Name	Energy Consumption	Mercury (Hg)
		kWh/1000 h	Content (Nom)
928053507488	HPL-N 400W/542 E40 HG 1SL	440 kWh	72 mg
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 (Nom)
928051007391	HPL-N 80W/542 E27 1CT/24	0.8 A	125 V	105 V	115 V	80.0 W
928052007391	HPL-N 125W/542 E27 1CT/24	1.15 A	135 V	115 V	125 V	125.0 W
928052007399	HPL-N 125W E27 SG 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
928053507488	HPL-N 400W/542 E40 HG 1SL	3.25 A	150 V	130 V	140 V	400.0 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%	Life To 50%	Life To 5% Failures	LSF 12000 h	LSF 16000 h	LSF 20000 h
			Failures (Nom)	Failures (Nom)	(Nom)	Rated	Rated	Rated
928051007391	HPL-N 80W/542 E27 1CT/24	E27	12000 h	20000 h	6000 h	80 %	68 %	50 %
928052007391	HPL-N 125W/542 E27 1CT/24	E27	12000 h	20000 h	6000 h	80 %	68 %	50 %
928052007399	HPL-N 125W E27 SG 1CT/24	E27	10000 h	16000 h	6000 h	80 %	68 %	50 %
928053007492	HPL-N 250W/542 E40 1SL/12	E40	10000 h	15000 h	5000 h	65 %	45 %	28 %
928053507488	HPL-N 400W/542 E40 HG 1SL	E40	12000 h	16000 h	6000 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	LSF 6000 h	LSF 8000 h	Order Code	Full Product Name	LSF 4000 h	LSF 6000 h	LSF 8000 h
		Rated	Rated	Rated			Rated	Rated	Rated
928051007391	HPL-N 80W/542 E27 1CT/24	98 %	95 %	92 %	928053507488	HPL-N 400W/542 E40 HG 1SL	97 %	92 %	83 %
928052007391	HPL-N 125W/542 E27 1CT/24	98 %	95 %	92 %	928053507496	HPL-N 400W/542 E40 HG 1SL/6	97 %	92 %	83 %
928052007399	HPL-N 125W E27 SG 1CT/24	98 %	95 %	92 %					
928053007492	HPL-N 250W/542 E40 1SL/12	97 %	92 %	83 %					

Light technical (1/3)

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated Color	Color	LLMF 12000 h	LLMF 16000 h	LLMF 2000 h
		Coordinate X (Nom)	Coordinate Y (Nom)		Rendering Index (Nom)			
928051007391	HPL-N 80W/542 E27 1CT/24	370	366	4300 K	45	85 %	80 %	92 %
928052007391	HPL-N 125W/542 E27 1CT/24	374	373	4100 K	46	85 %	80 %	92 %
928052007399	HPL-N 125W E27 SG 1CT/24	374	373	4200 K	46	85 %	80 %	92 %
928053007492	HPL-N 250W/542 E40 1SL/12	381	383	4100 K	40	78 %	75 %	88 %
928053507488	HPL-N 400W/542 E40 HG 1SL	384	384	4200 K	50	78 %	75 %	88 %
928053507496	HPL-N 400W/542 E40 HG 1SL/6	384	384	4200 K	50	78 %	75 %	88 %

Light technical (2/3)

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Order Code	Full Product Name	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)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)
928051007391	HPL-N 80W/542 E27 1CT/24	76 %	91 %	89 %	88 %	82 %	92 %	80 %	90 %	44.5 lm/W
928052007391	HPL-N 125W/542 E27 1CT/24	76 %	91 %	89 %	88 %	82 %	92 %	80 %	90 %	50 lm/W
928052007399	HPL-N 125W E27 SG 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
928053507488	HPL-N 400W/542 E40 HG 1SL	72 %	86 %	84 %	82 %	78 %	88 %	75 %	85 %	55 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)
928051007391	HPL-N 80W/542 E27 1CT/24	3600 lm
928052007391	HPL-N 125W/542 E27 1CT/24	6200 lm
928052007399	HPL-N 125W E27 SG 1CT/24	6200 lm

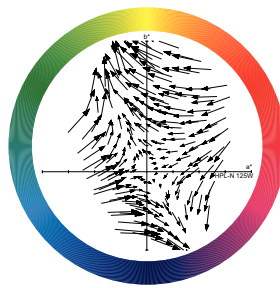
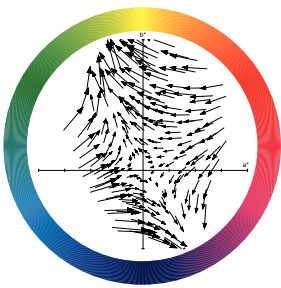
Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
928053007492	HPL-N 250W/542 E40 1SL/12	12700 lm
928053507488	HPL-N 400W/542 E40 HG 1SL	22000 lm
928053507496	HPL-N 400W/542 E40 HG 1SL/6	22000 lm

Mechanical and housing

Order Code	Full Product Name	Bulb Material	Bulb Shape
928051007391	HPL-N 80W/542 E27 1CT/24	Soft Glass	BF70
928052007391	HPL-N 125W/542 E27 1CT/24	Soft Glass	E75
928052007399	HPL-N 125W E27 SG 1CT/24	Soft Glass	E75

Order Code	Full Product Name	Bulb Material	Bulb Shape
928053007492	HPL-N 250W/542 E40 1SL/12	Hard Glass	ED90
928053507488	HPL-N 400W/542 E40 HG 1SL	Hard Glass	ED120
928053507496	HPL-N 400W/542 E40 HG 1SL/6	Hard Glass	ED120

Color Rendering Diagrams



LDCR_HPL_0002-Colour rendering diagram

LDCR_HPL_N_125W-Colour rendering diagram

