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

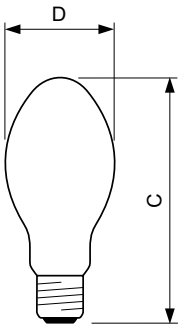
Versions

HPL, E26/E27

HPL, E39/40

HPL, 100W, E39

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/6	122 mm	290 mm
HPL-N 400W/542 E40 HG 1SL	122 mm	290 mm
HPL-N 400W E40 HG 1CT/6	122 mm	290 mm
HPL-N 400W/542 E40 HG 1SL/6	122 mm	290 mm
HPL-N 50W E27 SG 1CT/24	56 mm	129 mm
HPL-N 100W E39 HG 1SL/12	76 mm	188 mm
HPL-N 80W/542 E27 SG 1CT/24	71 mm	155 mm
HPL-N 80W E27 SG 1CT/24	71 mm	155 mm
HPL-N 250W E40 HG SLV/12	91 mm	226 mm
HPL-N 250W/542 E40 HG 1SL/12	91 mm	226 mm
HPL-N 250W E40 HG 1CT/12	91 mm	226 mm
HPL-N 250W/542 E40 HG 1SL	91 mm	226 mm
HPL-N 125W E27 SG 1CT/24	76 mm	173 mm
HPL-N 125W/542 E27 SG 1CT/24	76 mm	173 mm
HPL-N 125W/542 E27 SG SLV/24	76 mm	173 mm
HPL-N 80W/542 E27 SG 1SL/24	71 mm	155 mm

Controls and Dimming	
Dimmable	No
General Information	
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	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
928050507396	HPL-N 50W E27 SG 1CT/24	55 kWh	B	12 mg
928051007360	HPL-N 80W/542 E27 SG 1SL/24	88 kWh	B	14.0 mg
928051007395	HPL-N 80W E27 SG 1CT/24	88 kWh	B	14.0 mg
928051007396	HPL-N 80W/542 E27 SG 1CT/24	88 kWh	B	14.0 mg

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
928052007360	HPL-N 125W/542 E27 SG SLV/24	137 kWh	B	19.0 mg
928052007395	HPL-N 125W E27 SG 1CT/24	137 kWh	B	19.0 mg
928052007396	HPL-N 125W/542 E27 SG 1CT/24	137 kWh	B	19.0 mg
928052007399	HPL-N 125W E27 SG 1CT/24	137 kWh	B	19.0 mg

HPL-N

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
928053007422	HPL-N 250W/542 E40 HG 1SL/12	275 kWh	B	38 mg
928053007495	HPL-N 250W E40 HG 1CT/12	275 kWh	B	38 mg
928053007496	HPL-N 250W E40 HG SLV/12	275 kWh	B	38 mg
928053007499	HPL-N 250W/542 E40 HG 1SL	275 kWh	B	38 mg
928053507422	HPL-N 400W/542 E40 HG 1SL/6	440 kWh	B	72 mg
928053507488	HPL-N 400W/542 E40 HG 1SL	440 kWh	B	72 mg
928053507495	HPL-N 400W E40 HG 1CT/6	440 kWh	B	72 mg
928053507496	HPL-N 400W/542 E40 HG 1SL/6	440 kWh	B	72 mg
928485500091	HPL-N 100W E39 HG 1SL/12	-	-	13.7 mg

Operating and Electrical

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
928050507396	HPL-N 50W E27 SG 1CT/24	0.61 A	105 V	85 V	95 V	50.0 W
928051007360	HPL-N 80W/542 E27 SG 1SL/24	0.8 A	125 V	105 V	115 V	80.0 W
928051007395	HPL-N 80W E27 SG 1CT/24	0.8 A	125 V	105 V	115 V	80.0 W
928051007396	HPL-N 80W/542 E27 SG 1CT/24	0.8 A	125 V	105 V	115 V	80.0 W
928052007360	HPL-N 125W/542 E27 SG SLV/24	1.15 A	135 V	115 V	125 V	125.0 W
928052007395	HPL-N 125W E27 SG 1CT/24	1.15 A	135 V	115 V	125 V	125.0 W
928052007396	HPL-N 125W/542 E27 SG 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
928053007422	HPL-N 250W/542 E40 HG 1SL/12	2.1 A	145 V	125 V	135 V	250.0 W
928053007495	HPL-N 250W E40 HG 1CT/12	2.1 A	145 V	125 V	135 V	250.0 W
928053007496	HPL-N 250W E40 HG SLV/12	2.1 A	145 V	125 V	135 V	250.0 W
928053007499	HPL-N 250W/542 E40 HG 1SL	2.1 A	145 V	125 V	135 V	250.0 W
928053507422	HPL-N 400W/542 E40 HG 1SL/6	3.25 A	150 V	130 V	140 V	400.0 W
928053507488	HPL-N 400W/542 E40 HG 1SL	3.25 A	150 V	130 V	140 V	400.0 W
928053507495	HPL-N 400W E40 HG 1CT/6	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
928485500091	HPL-N 100W E39 HG 1SL/12	0.85 A	140 V	120 V	130 V	100.0 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 2000 h Rated
928050507396	HPL-N 50W E27 SG 1CT/24	E27	10000 h	16000 h	6000 h	80 %	68 %	99 %
928051007360	HPL-N 80W/542 E27 SG 1SL/24	E27	10000 h	16000 h	6000 h	80 %	68 %	99 %
928051007395	HPL-N 80W E27 SG 1CT/24	E27	10000 h	16000 h	6000 h	80 %	68 %	99 %
928051007396	HPL-N 80W/542 E27 SG 1CT/24	E27	10000 h	16000 h	6000 h	80 %	68 %	99 %
928052007360	HPL-N 125W/542 E27 SG SLV/24	E27	10000 h	16000 h	6000 h	80 %	68 %	99 %
928052007395	HPL-N 125W E27 SG 1CT/24	E27	10000 h	16000 h	6000 h	80 %	68 %	99 %
928052007396	HPL-N 125W/542 E27 SG 1CT/24	E27	10000 h	16000 h	6000 h	80 %	68 %	99 %
928052007399	HPL-N 125W E27 SG 1CT/24	E27	10000 h	16000 h	6000 h	80 %	68 %	99 %
928053007422	HPL-N 250W/542 E40 HG 1SL/12	E40	12000 h	16000 h	6000 h	65 %	45 %	99 %
928053007495	HPL-N 250W E40 HG 1CT/12	E40	12000 h	16000 h	6000 h	65 %	45 %	99 %
928053007496	HPL-N 250W E40 HG SLV/12	E40	12000 h	16000 h	6000 h	65 %	45 %	99 %
928053007499	HPL-N 250W/542 E40 HG 1SL	E40	12000 h	16000 h	6000 h	65 %	45 %	99 %
928053507422	HPL-N 400W/542 E40 HG 1SL/6	E40	12000 h	16000 h	6000 h	65 %	45 %	99 %

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 2000 h Rated
928053507488	HPL-N 400W/542 E40 HG 1SL	E40	12000 h	16000 h	6000 h	65 %	45 %	99 %
928053507495	HPL-N 400W E40 HG 1CT/6	E40	12000 h	16000 h	6000 h	65 %	45 %	99 %
928053507496	HPL-N 400W/542 E40 HG 1SL/6	E40	12000 h	16000 h	6000 h	65 %	45 %	99 %
928485500091	HPL-N 100W E39 HG 1SL/12	E39	10000 h	15000 h	5000 h	-	-	-

General Information (2/2)

Order Code	Full Product Name	LSF 20000 h Rated	LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated
928050507396	HPL-N 50W E27 SG 1CT/24	50 %	98 %	95 %	92 %
928051007360	HPL-N 80W/542 E27 SG 1SL/24	50 %	98 %	95 %	92 %
928051007395	HPL-N 80W E27 SG 1CT/24	50 %	98 %	95 %	92 %
928051007396	HPL-N 80W/542 E27 SG 1CT/24	50 %	98 %	95 %	92 %
928052007360	HPL-N 125W/542 E27 SG SLV/24	50 %	98 %	95 %	92 %
928052007395	HPL-N 125W E27 SG 1CT/24	50 %	98 %	95 %	92 %
928052007396	HPL-N 125W/542 E27 SG 1CT/24	50 %	98 %	95 %	92 %
928052007399	HPL-N 125W E27 SG 1CT/24	50 %	98 %	95 %	92 %
928053007422	HPL-N 250W/542 E40 HG 1SL/12	28 %	97 %	92 %	83 %

Order Code	Full Product Name	LSF 20000 h Rated	LSF 4000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated
928053007495	HPL-N 250W E40 HG 1CT/12	28 %	97 %	92 %	83 %
928053007496	HPL-N 250W E40 HG SLV/12	28 %	97 %	92 %	83 %
928053007499	HPL-N 250W/542 E40 HG 1SL	28 %	97 %	92 %	83 %
928053507422	HPL-N 400W/542 E40 HG 1SL/6	28 %	97 %	92 %	83 %
928053507488	HPL-N 400W/542 E40 HG 1SL	28 %	97 %	92 %	83 %
928053507495	HPL-N 400W E40 HG 1CT/6	28 %	97 %	92 %	83 %
928053507496	HPL-N 400W/542 E40 HG 1SL/6	28 %	97 %	92 %	83 %
928485500091	HPL-N 100W E39 HG 1SL/12	-	-	-	-

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	LLMF 12000 h Rated	LLMF 16000 h Rated	LLMF 2000 h Rated
928050507396	HPL-N 50W E27 SG 1CT/24	371	370	4200 K	49	85 %	80 %	92 %
928051007360	HPL-N 80W/542 E27 SG 1SL/24	370	366	4200 K	45	85 %	80 %	92 %
928051007395	HPL-N 80W E27 SG 1CT/24	370	366	4200 K	45	85 %	80 %	92 %
928051007396	HPL-N 80W/542 E27 SG 1CT/24	370	366	4200 K	45	85 %	80 %	92 %
928052007360	HPL-N 125W/542 E27 SG SLV/24	374	373	4200 K	46	85 %	80 %	92 %
928052007395	HPL-N 125W E27 SG 1CT/24	374	373	4200 K	46	85 %	80 %	92 %
928052007396	HPL-N 125W/542 E27 SG 1CT/24	374	373	4200 K	46	85 %	80 %	92 %
928052007399	HPL-N 125W E27 SG 1CT/24	374	373	4200 K	46	85 %	80 %	92 %
928053007422	HPL-N 250W/542 E40 HG 1SL/12	381	383	4100 K	45	78 %	75 %	88 %
928053007495	HPL-N 250W E40 HG 1CT/12	381	383	4100 K	45	78 %	75 %	88 %
928053007496	HPL-N 250W E40 HG SLV/12	381	383	4100 K	45	78 %	75 %	88 %
928053007499	HPL-N 250W/542 E40 HG 1SL	381	383	4100 K	45	78 %	75 %	88 %
928053507422	HPL-N 400W/542 E40 HG 1SL/6	384	384	4200 K	50	78 %	75 %	88 %
928053507488	HPL-N 400W/542 E40 HG 1SL	384	384	4200 K	50	78 %	75 %	88 %
928053507495	HPL-N 400W E40 HG 1CT/6	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 %
928485500091	HPL-N 100W E39 HG 1SL/12	385	380	3950 K	45	-	-	-

Light Technical (2/3)

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)
928050507396	HPL-N 50W E27 SG 1CT/24	76 %	91 %	89 %	88 %	82 %	92 %	80 %	90 %	36 lm/W
928051007360	HPL-N 80W/542 E27 SG 1SL/24	76 %	91 %	89 %	88 %	82 %	92 %	80 %	90 %	44.5 lm/W
928051007395	HPL-N 80W E27 SG 1CT/24	76 %	91 %	89 %	88 %	82 %	92 %	80 %	90 %	44.5 lm/W
928051007396	HPL-N 80W/542 E27 SG 1CT/24	76 %	91 %	89 %	88 %	82 %	92 %	80 %	90 %	44.5 lm/W
928052007360	HPL-N 125W/542 E27 SG SLV/24	76 %	91 %	89 %	88 %	82 %	92 %	80 %	90 %	50 lm/W
928052007395	HPL-N 125W E27 SG 1CT/24	76 %	91 %	89 %	88 %	82 %	92 %	80 %	90 %	50 lm/W
928052007396	HPL-N 125W/542 E27 SG 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
928053007422	HPL-N 250W/542 E40 HG 1SL/12	72 %	86 %	84 %	82 %	78 %	88 %	75 %	85 %	51 lm/W
928053007495	HPL-N 250W E40 HG 1CT/12	72 %	86 %	84 %	82 %	78 %	88 %	75 %	85 %	51 lm/W
928053007496	HPL-N 250W E40 HG SLV/12	72 %	86 %	84 %	82 %	78 %	88 %	75 %	85 %	51 lm/W
928053007499	HPL-N 250W/542 E40 HG 1SL	72 %	86 %	84 %	82 %	78 %	88 %	75 %	85 %	51 lm/W
928053507422	HPL-N 400W/542 E40 HG 1SL/6	72 %	86 %	84 %	82 %	78 %	88 %	75 %	85 %	55 lm/W
928053507488	HPL-N 400W/542 E40 HG 1SL	72 %	86 %	84 %	82 %	78 %	88 %	75 %	85 %	55 lm/W
928053507495	HPL-N 400W E40 HG 1CT/6	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
928485500091	HPL-N 100W E39 HG 1SL/12	-	-	-	-	80 %	90 %	75 %	85 %	42 lm/W

Light Technical (3/3)

Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928050507396	HPL-N 50W E27 SG 1CT/24	-	1770 lm
928051007360	HPL-N 80W/542 E27 SG 1SL/24	-	3600 lm
928051007395	HPL-N 80W E27 SG 1CT/24	-	3600 lm
928051007396	HPL-N 80W/542 E27 SG 1CT/24	-	3600 lm
928052007360	HPL-N 125W/542 E27 SG SLV/24	-	6200 lm
928052007395	HPL-N 125W E27 SG 1CT/24	-	6200 lm
928052007396	HPL-N 125W/542 E27 SG 1CT/24	-	6200 lm
928052007399	HPL-N 125W E27 SG 1CT/24	-	6200 lm
928053007422	HPL-N 250W/542 E40 HG 1SL/12	-	12700 lm

Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928053007495	HPL-N 250W E40 HG 1CT/12	-	12700 lm
928053007496	HPL-N 250W E40 HG SLV/12	-	12700 lm
928053007499	HPL-N 250W/542 E40 HG 1SL	-	12700 lm
928053507422	HPL-N 400W/542 E40 HG 1SL/6	-	22000 lm
928053507488	HPL-N 400W/542 E40 HG 1SL	-	22000 lm
928053507495	HPL-N 400W E40 HG 1CT/6	-	22000 lm
928053507496	HPL-N 400W/542 E40 HG 1SL/6	-	22000 lm
928485500091	HPL-N 100W E39 HG 1SL/12	3800 lm	4200 lm

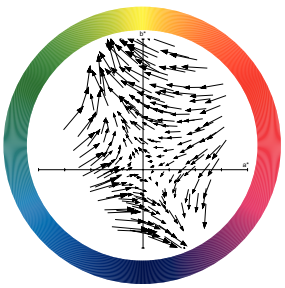
HPL-N

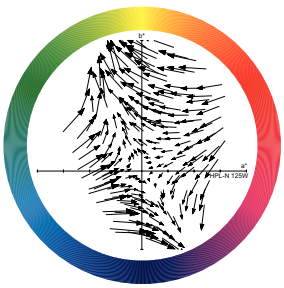
Mechanical and Housing

Order Code	Full Product Name	Bulb Material	Bulb Shape
928050507396	HPL-N 50W E27 SG 1CT/24	Soft Glass	BF55
928051007360	HPL-N 80W/542 E27 SG 1SL/24	Soft Glass	BF70
928051007395	HPL-N 80W E27 SG 1CT/24	Soft Glass	BF70
928051007396	HPL-N 80W/542 E27 SG 1CT/24	Soft Glass	BF70
928052007360	HPL-N 125W/542 E27 SG SLV/24	Soft Glass	E75
928052007395	HPL-N 125W E27 SG 1CT/24	Soft Glass	E75
928052007396	HPL-N 125W/542 E27 SG 1CT/24	Soft Glass	E75
928052007399	HPL-N 125W E27 SG 1CT/24	Soft Glass	E75
928053007422	HPL-N 250W/542 E40 HG 1SL/12	Hard Glass	ED90

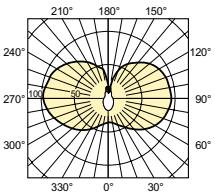
Order Code	Full Product Name	Bulb Material	Bulb Shape
928053007495	HPL-N 250W E40 HG 1CT/12	Hard Glass	ED90
928053007496	HPL-N 250W E40 HG SLV/12	Hard Glass	ED90
928053007499	HPL-N 250W/542 E40 HG 1SL	Hard Glass	ED90
928053507422	HPL-N 400W/542 E40 HG 1SL/6	Hard Glass	ED120
928053507488	HPL-N 400W/542 E40 HG 1SL	Hard Glass	ED120
928053507495	HPL-N 400W E40 HG 1CT/6	Hard Glass	ED120
928053507496	HPL-N 400W/542 E40 HG 1SL/6	Hard Glass	ED120
928485500091	HPL-N 100W E39 HG 1SL/12	Hard Glass	ED75

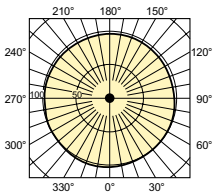
Color Rendering Diagrams





Light Distribution Diagrams





HPL-N 250W

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