



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

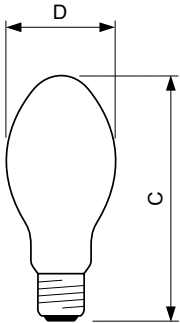


HPL, E39/40



HPL, 100W, E39

Dimensional drawing



Product	D (max)	C (max)
HPL-N 125W/542 E27 1CT/24	76 mm	173 mm
HPL-N 250W/542 E40 1SL/12	91 mm	226 mm
HPL-N 400W/542 E40 1SL/6	122 mm	290 mm
HPL-N 100W E39 HG 1SL/12	76 mm	188 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 125W E27 SG 1CT/24	76 mm	173 mm
HPL-N 80W/542 E27 1CT/24	71 mm	155 mm

Controls and Dimming	
Dimmable	No
General Information	
LSF 2000 h Rated	99 %
Operating Position	UNIVERSAL
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)
928051007391	HPL-N 80W/542 E27 1CT/24	88 kWh	B	14.0 mg
928052007391	HPL-N 125W/542 E27 1CT/24	137 kWh	B	19.0 mg
928052007399	HPL-N 125W E27 SG 1CT/24	137 kWh	B	19.0 mg
928053007492	HPL-N 250W/542 E40 1SL/12	275 kWh	B	38 mg

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
928053507488	HPL-N 400W/542 E40 HG 1SL	440 kWh	B	72 mg
928053507493	HPL-N 400W/542 E40 1SL/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)
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
928053507493	HPL-N 400W/542 E40 1SL/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

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)
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%		Life To 50%		Life To 5% Failures		LSF 12000 h	LSF 16000 h	LSF 20000 h
			Failures (Nom)	Failures (Nom)	Failures (Nom)	Failures (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 %			
928053507493	HPL-N 400W/542 E40 1SL/6	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 %			
928485500091	HPL-N 100W E39 HG 1SL/12	E39	10000 h	15000 h	5000 h	65 %	45 %	-			

General Information (2/2)

Order Code	Full Product Name	LSF 4000 h			LSF 6000 h			LSF 8000 h		
		Rated	Rated	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 %	928053507493	HPL-N 400W/542 E40 1SL/6	97 %	92 %	83 %	
928052007399	HPL-N 125W E27 SG 1CT/24	98 %	95 %	92 %	928053507496	HPL-N 400W/542 E40 HG 1SL/6	97 %	92 %	83 %	
928053007492	HPL-N 250W/542 E40 1SL/12	97 %	92 %	83 %	928485500091	HPL-N 100W E39 HG 1SL/12	97 %	94 %	92 %	

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928051007391	HPL-N 80W/542 E27 1CT/24	350 °C
928052007391	HPL-N 125W/542 E27 1CT/24	350 °C
928052007399	HPL-N 125W E27 SG 1CT/24	350 °C
928053007492	HPL-N 250W/542 E40 1SL/12	350 °C
928053507488	HPL-N 400W/542 E40 HG 1SL	350 °C
928053507493	HPL-N 400W/542 E40 1SL/6	350 °C
928053507496	HPL-N 400W/542 E40 HG 1SL/6	350 °C
928485500091	HPL-N 100W E39 HG 1SL/12	400 °C

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated Color	Color			
		Coordinate X (Nom)	Coordinate Y (Nom)		Rendering Index (Nom)	LLMF 12000 h	LLMF 16000 h	LLMF 2000 h
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 %
928053507493	HPL-N 400W/542 E40 1SL/6	384	384	3900 K	40	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	370	370	4200 K	-	72 %	70 %	88 %

Light Technical (2/3)

HPL-N

Order Code	Full Product Name	LLMF	LLMF	LLMF	LLMF	Lumen	Lumen	Lumen	Lumen	Lumen
		20000 h	4000 h	6000 h	8000 h	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance
		Rated	Rated	Rated	Rated	10000 h (Min)	10000 h (Nom)	2000 h (Min)	2000 h (Nom)	5000 h (Min)
928051007391	HPL-N 80W/542 E27 1CT/24	76 %	91 %	89 %	88 %	-	-	82 %	92 %	80 %
928052007391	HPL-N 125W/542 E27 1CT/24	76 %	91 %	89 %	88 %	-	-	82 %	92 %	80 %
928052007399	HPL-N 125W E27 SG 1CT/24	76 %	91 %	89 %	88 %	-	-	82 %	92 %	80 %
928053007492	HPL-N 250W/542 E40 1SL/12	72 %	86 %	84 %	82 %	-	-	78 %	88 %	75 %
928053507488	HPL-N 400W/542 E40 HG 1SL	72 %	86 %	84 %	82 %	-	-	78 %	88 %	75 %
928053507493	HPL-N 400W/542 E40 1SL/6	72 %	86 %	84 %	82 %	-	-	78 %	88 %	75 %
928053507496	HPL-N 400W/542 E40 HG 1SL/6	72 %	86 %	84 %	82 %	-	-	78 %	88 %	75 %
928485500091	HPL-N 100W E39 HG 1SL/12	68 %	86 %	82 %	78 %	65 %	75 %	80 %	88 %	75 %

Light Technical (3/3)

Order Code	Full Product Name	Lumen	Luminous	Luminous	Luminous	Order Code	Full Product Name	Lumen	Luminous	Luminous	Luminous
		Maintenance	Efficacy	Flux	Flux			Maintenance	Efficacy	Flux	Flux
		5000 h (Nom)	(rated) (Nom)	(Rated) (Min)	(Rated) (Nom)			5000 h (Nom)	(rated) (Nom)	(Rated) (Min)	(Rated) (Nom)
928051007391	HPL-N 80W/542 E27 1CT/24	90 %	44.5 lm/W	-	3600 lm	928053507488	HPL-N 400W/542 E40 HG 1SL	85 %	55 lm/W	-	22000 lm
928052007391	HPL-N 125W/542 E27 1CT/24	90 %	50 lm/W	-	6200 lm	928053507493	HPL-N 400W/542 E40 1SL/6	85 %	55 lm/W	-	22000 lm
928052007399	HPL-N 125W E27 SG 1CT/24	90 %	50 lm/W	-	6200 lm	928053507496	HPL-N 400W/542 E40 HG 1SL/6	85 %	55 lm/W	-	22000 lm
928053007492	HPL-N 250W/542 E40 1SL/12	85 %	51 lm/W	-	12700 lm	928485500091	HPL-N 100W E39 HG 1SL/12	85 %	42 lm/W	3800 lm	4200 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Material	Bulb Shape	Order Code	Full Product Name	Bulb Material	Bulb Shape
928051007391	HPL-N 80W/542 E27 1CT/24	Soft Glass	BF70	928053507488	HPL-N 400W/542 E40 HG 1SL	Hard Glass	ED120
928052007391	HPL-N 125W/542 E27 1CT/24	Soft Glass	E75	928053507493	HPL-N 400W/542 E40 1SL/6	Hard Glass	ED120
928052007399	HPL-N 125W E27 SG 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	928485500091	HPL-N 100W E39 HG 1SL/12	Hard Glass	ED75

Color Rendering Diagrams



LDCR_HPL_0002-Colour rendering diagram

