



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.

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	
Colour Code	542
Colour 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)
27777100	HPL-N 80W/542 E27 1CT/24	88 kWh	14.0 mg
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
18045299	HPL-N 400W/542 E40 HG 1SL/6	440 kWh	72 mg

Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
27777100	HPL-N 80W/542 E27 1CT/24	0.8 A	125 V	105 V	115 V
27779500	HPL-N 125W/542 E27 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)
27781800	HPL-N 250W/542 E40 1SL/12	2.1 A	145 V	125 V	135 V
18045299	HPL-N 400W/542 E40 HG 1SL/6	3.25 A	150 V	130 V	140 V

Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Nom)
27777100	HPL-N 80W/542 E27 1CT/24	80.0 W
27779500	HPL-N 125W/542 E27 1CT/24	125.0 W

Order Code	Full Product Name	Power (Rated) (Nom)
27781800	HPL-N 250W/542 E40 1SL/12	250.0 W
18045299	HPL-N 400W/542 E40 HG 1SL/6	400.0 W

General Information (1/2)

Order Code	Full Product Name	Cap-Base	Life To 20%	Life To 50%	Life To 5%
			Failures (Nom)	Failures (Nom)	Failures (Nom)
27777100	HPL-N 80W/542 E27 1CT/24	E27	12000 h	20000 h	6000 h
27779500	HPL-N 125W/542 E27 1CT/24	E27	12000 h	20000 h	6000 h

Order Code	Full Product Name	Cap-Base	Life To 20%	Life To 50%	Life To 5%
			Failures (Nom)	Failures (Nom)	Failures (Nom)
27781800	HPL-N 250W/542 E40 1SL/12	E40	10000 h	15000 h	5000 h
18045299	HPL-N 400W/542 E40 HG 1SL/6	E40	12000 h	16000 h	6000 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
27777100	HPL-N 80W/542 E27 1CT/24	80 %	68 %	50 %	98 %	95 %	92 %
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 %

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
18045299	HPL-N 400W/542 E40 HG 1SL/6	65 %	45 %	28 %	97 %	92 %	83 %

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity		Correlated Colour	Colour Rendering
		Coordinate X (Nom)	Coordinate Y (Nom)	Temperature (Nom)	Index (Nom)
27777100	HPL-N 80W/542 E27 1CT/24	370	366	4300 K	45
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 Colour	Colour Rendering
		Coordinate X (Nom)	Coordinate Y (Nom)	Temperature (Nom)	Index (Nom)
18045299	HPL-N 400W/542 E40 HG 1SL/6	384	384	4200 K	50

Light Technical (2/3)

Order Code	Full Product Name	LLMF							Lumen Maintenance	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)
27777100	HPL-N 80W/542 E27 1CT/24	85 %	80 %	92 %	76 %	91 %	89 %	88 %	82 %	92 %
27779500	HPL-N 125W/542 E27 1CT/24	85 %	80 %	92 %	76 %	91 %	89 %	88 %	82 %	92 %
27781800	HPL-N 250W/542 E40 1SL/12	78 %	75 %	88 %	72 %	86 %	84 %	82 %	78 %	88 %
18045299	HPL-N 400W/542 E40 HG 1SL/6	78 %	75 %	88 %	72 %	86 %	84 %	82 %	78 %	88 %

Light Technical (3/3)

Order Code	Full Product Name	Lumen Maintenance		Luminous Efficacy	Luminous Flux
		5000 h (Min)	5000 h (Nom)	(rated) (Nom)	(Rated) (Nom)
27777100	HPL-N 80W/542 E27 1CT/24	80 %	90 %	44.5 lm/W	3600 lm
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		Luminous Efficacy	Luminous Flux
		5000 h (Min)	5000 h (Nom)	(rated) (Nom)	(Rated) (Nom)
18045299	HPL-N 400W/542 E40 HG 1SL/6	75 %	85 %	55 lm/W	22000 lm

Mechanical and Housing

HPL-N

Order Code	Full Product Name	Bulb Material	Bulb Shape
27777100	HPL-N 80W/542 E27 1CT/24	Soft Glass	BF70
27779500	HPL-N 125W/542 E27 1CT/24	Soft Glass	E75

Order Code	Full Product Name	Bulb Material	Bulb Shape
27781800	HPL-N 250W/542 E40 1SL/12	Hard Glass	ED90
18045299	HPL-N 400W/542 E40 HG 1SL/6	Hard Glass	ED120

