PHILIPS Lighting



MASTER - LED HID HPL

MAS LED HPL M 6Klm 33.5W 840 E40 FR G

Philips Master LED HPL lamps offer an easy and short payback LED solution to replace High Intensity Discharge (HID) lamps. The products bring the energy efficiency and long lifetime benefits of LED to HID HPL replacement and provide instant saving and low initial investment. With the right lamp size and light distribution, you can easily retrofit Master LED HPL urban lamps and bypass the existing ballast while enhancing the lighting quality.

Warnings and Safety

• Please refer to the installation guide or consult a Philips Lighting representative for wiring diagram and instructions.

Product data

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General Information	
Cap-Base	E40
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	300 degree(s)
Luminous Flux	6,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	179 lm/W
Color Consistency	<6
Color rendering index (CRI)	80

LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RGO
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	33.5 W
Lamp Current (Nom)	150 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	45 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
Ballast Compatibility	Mains
Inrush current at mains	23.2
Max. lamp no. on MCB B type 10A - Mains	8

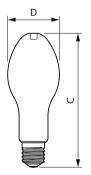
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Max. lamp no. on MCB B type 10A – EM ballast	-	Energy Consumption kWh/1000 h	34 kWh
without Compensation Capacitor.		EPREL Registration Number	1363720
Max. lamp no. on MCB B type 10A - EM ballast	-	CE mark	Yes
with Compensation Capacitor.		EU RoHS compliant	Yes
Max. lamp no. on MCB B type 16A - Mains	13	Flickering value (PstLM) - Flickering value as per	1
Max. lamp no. on MCB B type 16A – EM ballast	-	EN 61000-3-3	
without Compensation Capacitor.		Stroboscopic effect visibility measure (SVM)	1.6
Max. lamp no. on MCB B type 16A - EM ballast	-	Ambient temperature range	-30 to +45 °C
with Compensation Capacitor.			
		Product Data	
Temperature		Order product name	MAS LED HPL M 6Klm 33.5W 840
T-Case Maximum (Nom)	65 °C		E40 FR G
		Full product name	MAS LED HPL M 6Klm 33.5W 840
Controls and Dimming			E40 FR G
Dimmable	No	Full product code	871951445207700
		Order code	929003531402
Mechanical and Housing		Material Nr. (12NC)	929003531402
Bulb Finish	Frosted	Numerator - Quantity Per Pack	1
Bulb Material	Glass	EAN/UPC - Product/Case	8719514452077
Bulb Shape	Tube, single-ended	Numerator - Packs per outer box	6
Net Weight (Piece)	0.210 kg	EAN/UPC - Case	8719514452084
Approval and Application			
Energy Efficiency Class	С		

Dimensional drawing

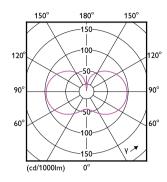


Product	D	с
MAS LED HPL M 6Klm 33.5W 840 E40 FR G	91 mm	238 mm

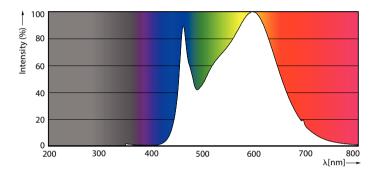
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Photometric data

	1 x 929001511412.5W
	5 a \$200 kh
Anna Alta	

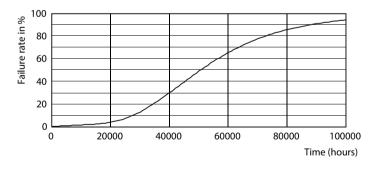


General uniform lighting - MAS LED HPL M 6Klm 33.5W 840 E40 FR G



Spectral Power Distribution Colour - MAS LED HPL M 6Klm 33.5W 840 E40 FR G

Lifetime



Lumen in % 90 80 70 60 50 ∟ 0 10000 20000 30000 40000 50000 60000 **Burning hours**

Life Expectancy Diagram

Lumen Maintenance Diagram - MAS LED HPL M 6Klm 33.5W 840 E40 FR G

Light Distribution Diagram - MAS LED HPL M 6Klm 33.5W 840 E40 FR G

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