



TrueForce Core LED Public (Urban/Road – HPL/SON)

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

Philips TrueForce Core LED urban 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 replacement and provide instant savings and low initial investment. With the right lamp size and light distribution, you can easily retrofit TrueForce Core LED urban lamps and bypass the existing ballast while enhancing the lighting quality.

Product data

General Information		Colour rendering index (CRI)	
Cap base	E40 [E40]	Colour rendering index (CRI)	80
Nominal lifetime	50,000 h	LLMF at end of nominal lifetime (nom.)	70 %
Switching Cycle	50,000	Flickering value (PstLM)	1
Lighting Technology	LED	Stroboscopic effect	1.6
Flux measurement reference	Sphere	Photobiological safety according to EN 62471	RG0
EU RoHS compliant	Yes		
Light Technical		Operating and Electrical	
Colour Code	840 [CCT of 4000K]	Line Frequency	50 to 60 Hz
Beam angle (nom.)	300 degree(s)	Input frequency	50 to 60 Hz
Luminous Flux	6,000 lm	Power Consumption	33.5 W
Colour designation	Cool White (CW)	Lamp current (nom.)	150 mA
Correlated Colour Temperature	4000 K	Starting time (nom.)	0.5 s
Luminous efficacy (rated) (nom.)	179 lm/W	Warm-up time to 60% light	45 s
Colour consistency	<6	Power Factor (Fraction)	0.9
		Voltage (nom.)	220-240 V
		Max. lamp no. on MCB B type 10A – Mains	8

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Max. lamp no. on MCB B type 10A — EM ballast without Comp. Cap.	-
Max. lamp no. on MCB B type 10A — EM ballast with Comp. Cap.	-
Max. lamp no. on MCB B type 16A — Mains	13
Max. lamp no. on MCB B type 16A — EM ballast without Comp. Cap.	-
Max. lamp no. on MCB B type 16A — EM ballast with Comp. Cap.	-

Temperature

Ambient temperature range	-30 to +45 °C
T-Case maximum (nom.)	65 °C

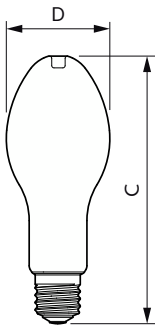
Controls and Dimming

Dimmable	No
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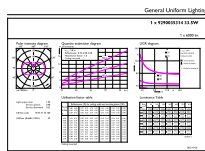
Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Glass
Bulb shape	Tube, single-ended

Dimensional drawing



Photometric data



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

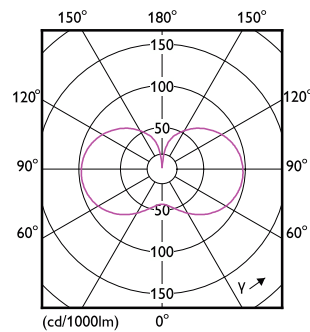
Approval and Application

Energy Efficiency Class	C
Energy consumption kWh/1,000 hours	34 kWh
EPREL registration number	1363720

Product Data

Order product name	MAS LED HPL M 6Klm 33.5W 840 E40 FR G
Full product name	MAS LED HPL M 6Klm 33.5W 840 E40 FR G
Full EOC	871951445207700
Order code	45207700
Material no. (12 NC)	929003531402
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514452077
Numerator – packs per outer box	6
EAN/UPC - Case	8719514452084

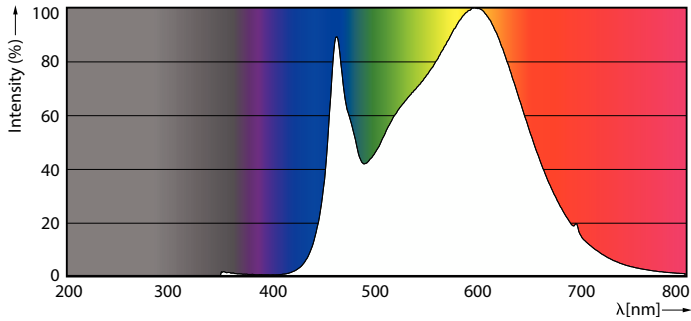
Product	D	C
MAS LED HPL M 6Klm 33.5W 840 E40 FR G	91 mm	238 mm



Light Distribution Diagram

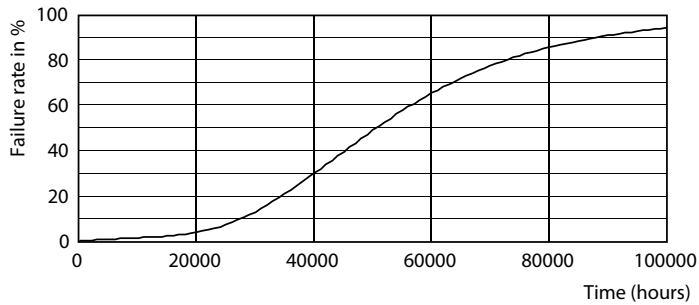
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Photometric data

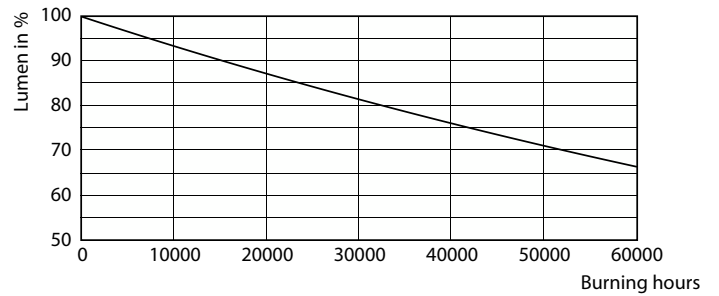


Spectral Power Distribution Colour

Lifetime



Life Expectancy Diagram - MAS LED HPL M 6Klm 33.5W 840 E40 FR G



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

