



# The best LED solution for High Intensity Discharge (HID) HPL lamp replacement

## MASTER - LED HID HPL

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.

### Benefits

- Cost saving with short payback time
- Low initial investment
- Enhance lighting quality with easy adoption

### Features

- High Energy efficient lamps
- Long lifetime - 50,000 hrs
- Surge protection 4KV
- Pleasant white light with CRI 80
- Omnidirectional light around lamp
- Additional Energy saving by Direct Mains connection
- Right lamp size and lighting distribution for retrofit
- IP65 product (IP rated sockets required for outdoor application)

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## Application

- Parking Garages
- Parks and Plazas
- Road and Street

## Warnings and Safety

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

## Versions

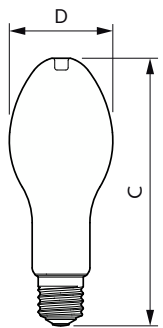
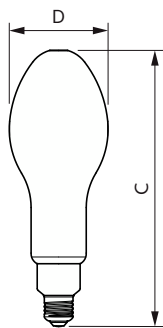


LEDTForce MAS HPL ED90 E27



LEDTForce MAS HPL ED90 E40

## Dimensional drawing



Product	D	C
MAS LED HPL M 6Klm 33.5W 840 E27 FR G	91 mm	249 mm

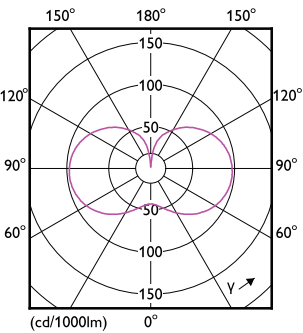
Product	D	C
MAS LED HPL M 6Klm 33.5W 840 E40 FR G	91 mm	238 mm

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General Information	
Switching Cycle	50,000
Nominal lifetime	50,000 hour(s)
Light Technical	
Beam Angle (Nom)	300 degree(s)
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	80
Color Code	840
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux	6,000 lm
Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Power Consumption	33.5 W
Starting Time (Nom)	0.5 s
Temperature	
T-Case Maximum (Nom)	65 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	Tube, single-ended
Approval and Application	
Ambient temperature range	-30 to +45 °C
Energy Consumption kWh/1000 h	34 kWh

General Information

Order Code	Full Product Name	Cap-Base
929003531202	MAS LED HPL M 6Klm 33.5W 840 E27 FR G	E27
929003531402	MAS LED HPL M 6Klm 33.5W 840 E40 FR G	E40



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