



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

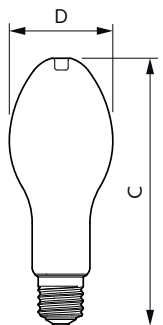
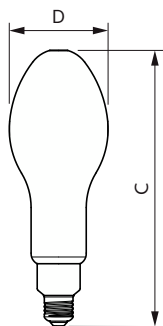


LEDTForce MAS HPL ED90 E27



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 |

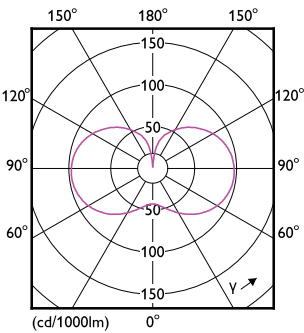
| Product | D | C |
|---------------------------------------|-------|--------|
| MAS LED HPL M 6Klm 33.5W 840 E40 FR G | 91 mm | 238 mm |

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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 |
|------------|---------------------------------------|----------|
| 45203900 | MAS LED HPL M 6Klm 33.5W 840 E27 FR G | E27 |
| 45207700 | MAS LED HPL M 6Klm 33.5W 840 E40 FR G | E40 |



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