

PHILIPS

LED HPL lamps

REAL
PROs
REAL
QUALITY

New:
MASTER LED
HPL with
50,000
hours
lifetime



Real pros replace HID with "WOW"

Discover the range of Philips LED HPL lamps that offers a perfect LED solution to replace HID lamps for every budget and requirement.

Are your customers concerned about rising energy cost? Do they want to convert their HID lamps to LED, but are afraid of the effort and cost of replacing their existing luminaires?

With the Philips MASTER and CorePro LED HPL ranges, you can offer them all the benefits of LED combined with very attractive payback times. Both ranges provide greater energy efficiency, longer lifetimes and optimal light distribution. **The new MASTER LED HPL** is especially convincing with an extra long service life of 50,000 hours, resulting in further reduced maintenance and energy costs.

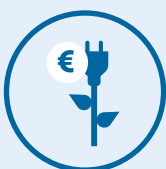
Unique in the market

Patented high-power LED filament technology

- High light output → Up to 6000lm
- High efficacy → Up to 179 lm/W
- Uniform light distribution → LED filament, light all around

Unique glass housing design

- Similar look & feel as conventional HID → Frosted glass finish
- "PerfectFit" in existing HID luminaires → Designed according to HID size
- Suitable for indoor and outdoor application → IP65 design*



More than 60%
energy savings**



Fast payback
in less than
two months**



Lower initial
investment than
LED luminaires

* Use suitable IP rated sockets when installing in outdoor applications.

** When upgrading from conventional lamps to Philips MASTER LED HPL lamps. Please see calculation details on next page.

Philips LED HPL lamps up close

Perfect fit with existing HID luminaires

- Compact size
- Designed according to HID lamp size
- Low weight
- Compatible with direct mains

Suitable for indoor and outdoor applications

- -20 to 45°C operation temperature
- IP65¹
- Surge protection 2KV



Additional energy savings through mains only connection

Outstanding light quality

- High-power LED filament design for better light quality and uniformity
- High color rendering index (CRI80)
- High lumen packages: 2000/3000/4000lm
- 3000/4000K CCT
- Long lifetime: 50,000 hrs (Philips MASTER LED HPL), 25,000 hrs (Philips CorePro LED HPL)

Payback before you know it

When updating from conventional HPL to Philips MASTER LED HPL lamps, your customers can expect a full return on investment in less than **2 months**.

	200W HPL		MASTER LED HPL	CorePro LED HPL
Lifetime	15,000 hrs	➤	50,000 hrs	25,000 hrs
Lamp wattage	200W	➤	33.5W	36W
Average buying price/lamp	15 €	➤	35 €	21.51 €
Total costs/year/lamp ²	300.76 €	➤	53.10 €	58.34 €
Number of lamps	10			
Burning hours/year	4,380 hrs			
Total savings/year			2,477 €	2,424 €
Lifetime (4,380 burning hours/year)			11.4 years	5.7 years
Payback period			1.7 months	1.1 months
			Choose MASTER LED HPL lamps for extra durable lighting with top performance and great energy savings.	Choose CorePro LED HPL lamps for reliable lighting with an attractive payback time.

Compared to a conventional lamp, a new Philips MASTER LED HPL lamp can reduce CO₂ emissions by up to 3,497 kg over its lifetime³ – equivalent to the emissions absorbed by more than 158 trees⁴.

Compared to a conventional lamp, a new Philips CorePro LED HPL lamp can reduce CO₂ emissions by up to 1,722 kg over its lifetime³ – equivalent to the emissions absorbed by more than 78 trees⁴.

All calculations are based on the European average of 0.335 €/kW hour.

¹ Use suitable IP rated sockets when installing in outdoor applications.

³ Calculation based on CO₂ gas emissions of 0.42kg/kWh.

² Including maintenance and lamp replacement cost.

⁴ Based on multiple scientific literature, an average fully grown tree can absorb 22 kg CO₂ per year.

Choose the right Philips LED HPL lamp



Conventional wattage	MASTER LED HPL 13W E27	MASTER LED HPL 18W E27	MASTER LED HPL 26W E27	CorePro LED HPL 13W E27	CorePro LED HPL 18W E27	CorePro LED HPL 26W E27
HPL 50W E27	○	×		○	×	
HPL 80W E27		○	×		○	×
HPL 125W E27			○			○
SON 50W E27		○	×		○	×
SON 50W E27			○			○

✗ **True replacement:** Initial perceived light effect/lux levels of LED lamp is the same or better than conventional HID.

○ **Average equivalence:** Average perceived light effect / lux levels of LED lamp during the life comparable to conventional HID.

Order information

Product type	Power	Lumen output	Efficacy	CRI	Color temp.	Lifetime	EOC code	12nc code
Philips CorePro LED HPL	W	lm	lm/W		K	hrs	8718699	
CorePro LED HPL 13W E27 830 FR	13	2000	154	80	3000	25,000	75025100	929002349702
CorePro LED HPL 13W E27 840 FR					4000		75027500	929002349802
CorePro LED HPL 18W E27 830 FR	18	3000	3000		75029900		929002349902	
CorePro LED HPL 18W E27 840 FR			4000		75031200		929002350002	
CorePro LED HPL 26W E27 830 FR	26	4000	3000		75033600		929002350102	
CorePro LED HPL 26W E27 840 FR			4000		75035000		929002350202	
Philips MASTER LED HPL							8719514	
MAS LED HPL MV 2.8Klm 19W 830E27 FR	19	2850	150	80	3000	50,000	45193300	929003530702
MAS LED HPL MV 3Klm 19W 840 E27 FR		3100	163		4000		45195700	929003530802
MAS LED HPL MV 3.8Klm 24W 830 E27 FR	24	3850	160		3000		45197100	929003530902
MAS LED HPL MV 4Klm 24W 840 E27 FR		4000	166		4000		45199500	929003531002
MAS LED HPL MV 5.6Klm 33.5W 830 E27 FR	33,5	5600	167		3000		45201500	929003531102
MAS LED HPL MV 6Klm 33.5W 840 E27 FR		6000	179		4000		45203900	929003531202
MAS LED HPL MV 5.6Klm 33.5W 830 E40 FR		5600	167		3000		45205300	929003531302
MAS LED HPL MV 6Klm 33.5W 840 E40 FR		6000	179		4000		45207700	929003531402

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e-cat link
to be added
once it's
available

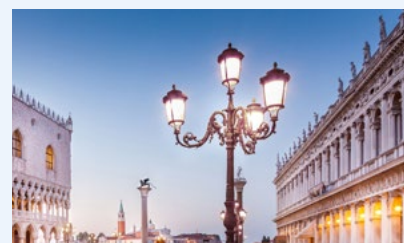
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