



Simplicity is changing our world with light

Philips CosmoPolis - a Lamp and Gear system designed to fulfil all requirements from the demanding public lighting application ensuring you a future-proof installation.



Philips MASTER CosmoWhite 45/60W



Philips MASTER CosmoWhite 90/140W

The Philips CosmoPolis system consists of:

- The Philips CosmoWhite lamp family.
- A new electronic gear platform to complement the system

System features

- High system efficiencies: up to 117 lm/W for the lamp; up to 91% efficiency for the electronic gear
- Unique burner design and positioning in combination with best lamp fixation
- Compact: reduced size to 50% compared to SON/HPL systems
- Electronic gear designed for outdoor applications (Philips LumiStep stand-alone control option planned at a later stage)

System benefits

- High system efficiency gives energy saving and a low cost of ownership
- Best optical efficacy allowing greater spacing between luminaires and thus lower investment
- Compactness offers optimisation in design of optics and luminaires
- Optimal lamp service lifetime
- Robust outdoor dedicated electronic Xtreme gear for long and reliable operation
- A Green Flagship product to minimise environmental impact and CO₂ emission
- Attractive white light: Philips CosmoWhite

Applications - Urban public lighting:

- City centres • Residential areas • Road

| Lamp range | Light output (lm) | Lamp base | Lamp voltage (V) | Colour temperature (K) * | Colour rendering | Service lifetime (h) | Lumen maintenance at service lifetime | Order code EOC |
|------------------------------------|-------------------|-----------|------------------|--------------------------|------------------|----------------------|---------------------------------------|----------------|
| Philips MASTER CosmoWhite 45W/628 | 4.300 | PGZ 12 | 230 | 2600 - 2850 | 60 | 12.000 (design spec) | 80% (design spec) | 211194 15 |
| Philips MASTER CosmoWhite 60W/728 | 6.850 | PGZ 12 | 230 | 2600 - 2850 | 65 | 12.000 | 80% | 208514 15 |
| Philips MASTER CosmoWhite 90W/728 | 10.450 | PGZ 12 | 230 | 2600 - 2850 | 65 | 12.000 (design spec) | 80% (design spec) | 211217 15 |
| Philips MASTER CosmoWhite 140W/728 | 16.500 | PGZ 12 | 230 | 2600 - 2850 | 65 | 12.000 | 80% | 208538 15 |

* Lamps are optimised for horizontal use, although they can be operated in all positions. Colour temperature and colour rendering are position dependent (corresponding data are for vertical/horizontal position)



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Philips CosmoWhite
HID-PrimaVision Xtreme gear

Benefits of electronic gear compared with conventional electromagnetic gear

- High system efficiency to save energy
- Compact size and low weight provide design flexibility and easy installation
- Mains voltage fluctuations do not affect light output, so costs can be reduced by specifying lighter-duty cabling and/or fewer switching cabinets
- No power factor correction needed so no capacitor to fail
- Only one component to simplify servicing

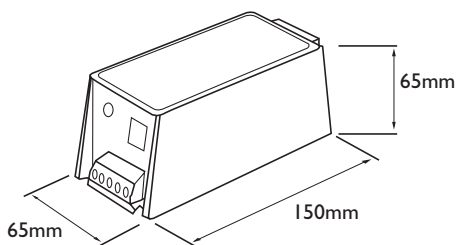
In addition the benefits of Philips CosmoPolis HID-PV Xtreme gear

- Outdoor long-life heavy-duty specification, hence its name 'Xtreme' (60.000 hours)
- Peak voltage protection to safeguard lamp, and surge protected to safeguard gear
- Full lightning protection
- Fully potted box, protecting components against dust, moisture and vibrations

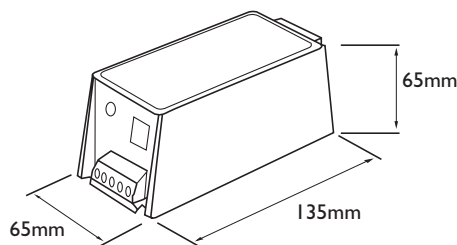
You deal only with one trusted supplier for the entire system.

| Commercial name | Nominal system power (W) | Ambient temperature range (°C) | Rated mains voltage (V) | Expected lifetime max 5% failure rate (at Tc life) (h) | Order code EOC |
|--|--------------------------|--------------------------------|-------------------------|--|----------------|
| Philips CosmoWhite HID-PV Xtreme gear 45 W | 51.5 | -20/+50 | 220-240 | 60.000 | 912756 30 |
| Philips CosmoWhite HID-PV Xtreme gear 60 W | 67.3 | -20/+50 | 220-240 | 60.000 | 912343 30 |
| Philips CosmoWhite HID-PV Xtreme gear 90 W | 99 | -20/+50 | 220-240 | 60.000 | 913319 30 |
| Philips CosmoWhite HID-PV Xtreme gear 140 W* | 152.5 | -20/+50 | 220-240 | 60.000 | 912893 30 |

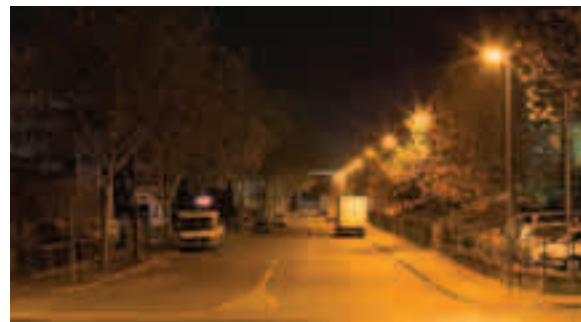
* To be released



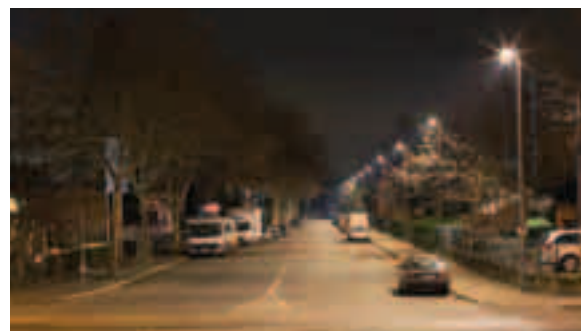
Philips CosmoWhite HID-PV Xtreme 90/140W



Philips CosmoWhite HID-PV Xtreme 45/60W



Before - Old technology Böblingen, Germany



After - New technology Böblingen, Germany



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