



**PHILIPS**

CorePro LED PLC & PLL



# Maintain the spilling or **lower your cost?**

Real pros count on **Philips CorePro LED** PLC & LED PLL lamps



**REAL  
PROs  
REAL  
QUALITY**

# The first quality branded LED replacement for conventional downlights

Philips CorePro LED PLC & PLL are the ideal uplamping solutions for downlights in a wide range of general lighting applications. They integrate a LED light source into a traditional fluorescent form factor to offer superb energy savings over a lifetime that's twice as long as fluorescent alternatives. So you can upgrade your lighting at the same time as downgrading your costs.



## Save on energy

CorePro LED PLC & PLL lamps use significantly less energy, which means they're up to 60% more efficient than fluorescent alternatives. LED downlights that enable you to switch on instant energy savings while re-using your existing fixtures.

## Three times longer lasting

They're also designed for longevity. CorePro LED PLC & PLL lamps can extend the 10,000 hours lifetime you'd expect from fluorescent downlights to 30,000 hours. Making them three times more attractive in terms of routine maintenance and planned replacement costs.

## The ideal upgrade

CorePro LED PLC & PLL lamps are the ideal upgrade for downlights in a wide range of applications. These include reception areas, meeting rooms, corridor and hallways in offices, retail stores and hospitality venues.



## Key benefits



### Energy efficient

- 60% more energy efficient than fluorescent lamps
- Efficiency up to 111 lm/W



### Long lasting & robust

- 30,000 hours lifetime reduces maintenance costs
- Shatter-proof plastic, not glass



### Simple lamp-for-lamp replacement

- NEW PLC 13W, 18W and 26W and PLL 36W and 55W replacements
- Re-using the existing fixture without major modifications, using a similar PLC or PLL form-factor



### High quality of light

- Instant 100% light
- Rotating end-caps for PLC
- Choice of 3000 K and 4000 K for PLC and 3000 K, 4000 K and 6500 K voor PLL
- No flickering or strobing



#### Existing lamps

#### CorePro LED PLC 2-pin lamp range (EM)

#### CorePro LED PLC 4-pin lamp range (HF)

Fluorescent PLC 13W lamp

G24d-1

G24q-1

Fluorescent PLC 26w lamp

G24d-2

G24q-2

Fluorescent PLC 13W lamp

G24d-3

G24q-3



#### Existing lamps

#### CorePro LED PLL 4-pin lamp range (HF)

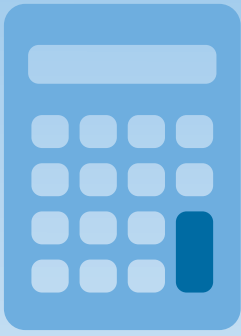
Fluorescent PLL 36W lamp

2G11

Fluorescent PLL 55W lamp

2G11





# Get your TCO in downlights!

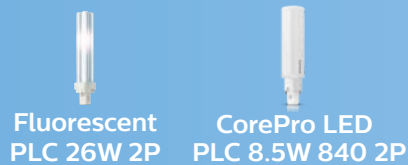
CorePro LED PLC & PLL are also designed to reduce your Total Cost of Ownership with low energy costs, a reliable 30,000 hour lifetime and a payback period of less than 2 years.

## A simple, retrofit solution

CorePro LED PLC & PLL lamps are simple to install and require no building or modification work because they use a similar form-factor. Designed to fit neatly into existing fixtures, the range includes both 2-pin (EM) and 4-pin (HF) lamps options. The 2-pin lamps are compatible with electromagnetic ballasts, check the ballast compatibility list on our website. A simple retrofit solution for 13, 18 and 26W fluorescent PLC and 36, 55W.

## Light where you need it most

The rotating end-cap feature makes it easy to direct LED PLC light to precisely where you want it. You can turn the lamp from -45° to +90°, ensuring maximum compatibility with the design of any luminaire you need to install. So you can optimize light distribution and use it to best effect where it's needed most.



Longer lifetime

10,000 Hrs

30,000 Hrs



69%

26W

8.5W

721 €

Savings / year

12,5 months

Payback period

|                        |               |
|------------------------|---------------|
| Number of lamps        | 50            |
| Burning hours per year | 4,380 Hrs     |
| Energy costs           | 0.12 Euro/kWh |

|  |         |         |
|--|---------|---------|
| Average buying price installer ex VAT / lamp | 4 €     | 15,00 € |
| Total costs / year / lamp                    | 21.80 € | 7.39 €  |

Based on the European average of 12 cent/kW hours (including maintenance and lamp replacement cost)

# Product specifications



## CorePro LED PLC



| Product type           | LED      | Rotable end cap | Lumen output | Operation | Beam angle | CRI | Color temperature | EOC            |
|------------------------|----------|-----------------|--------------|-----------|------------|-----|-------------------|----------------|
| <b>CorePro LED PLC</b> | <b>W</b> |                 | <b>lm</b>    |           | <b>°</b>   |     | <b>K</b>          | <b>8718696</b> |
| 4.5W 830 2P G24d-1     | 4.5      | Yes             | 475          | EM        | 120        | 83  | 3000              | 70659600       |
| 4.5W 840 2P G24d-1     | 4.5      | Yes             | 500          | EM        | 120        | 83  | 4000              | 70661900       |
| 6.5W 830 2P G24d-2     | 6.5      | Yes             | 650          | EM        | 120        | 83  | 3000              | 54127200       |
| 6.5W 840 2P G24d-2     | 6.5      | Yes             | 700          | EM        | 120        | 83  | 4000              | 54129600       |
| 8.5W 830 2P G24d-3     | 8.5      | Yes             | 950          | EM        | 120        | 83  | 3000              | 54123400       |
| 8.5W 840 2P G24d-3     | 8.5      | Yes             | 1000         | EM        | 120        | 83  | 4000              | 54125800       |
| 4.5W 830 4P G24q-1     | 4.5      | Yes             | 475          | HF        | 120        | 83  | 3000              | 70663300       |
| 4.5W 840 4P G24q-1     | 4.5      | Yes             | 500          | HF        | 120        | 83  | 4000              | 70665700       |
| 6.5W 830 4P G24q-2     | 6.5      | Yes             | 650          | HF        | 120        | 83  | 3000              | 54119700       |
| 6.5W 840 4P G24q-2     | 6.5      | Yes             | 700          | HF        | 120        | 83  | 4000              | 54121000       |
| 9W 830 4P G24q-3       | 9        | Yes             | 950          | HF        | 120        | 83  | 3000              | 54115900       |
| 9W 840 4P G24q-3       | 9        | Yes             | 1000         | HF        | 120        | 83  | 4000              | 54117300       |



## CorePro LED PLL



| Product type           | LED      | Rotable end cap | Lumen output | Beam angle | CRI | Color temperature | EOC            |
|------------------------|----------|-----------------|--------------|------------|-----|-------------------|----------------|
| <b>CorePro LED PLL</b> | <b>W</b> |                 | <b>lm</b>    | <b>°</b>   |     | <b>K</b>          | <b>8718696</b> |
| HF 16.5W 830 4P 2G11   | 16,5     | No              | 2000         | 160        | 83  | 3000              | 73966200       |
| HF 16.5W 840 4P 2G11   | 16,5     | No              | 2100         | 160        | 83  | 4000              | 73974700       |
| HF 16.5W 865 4P 2G11   | 16,5     | No              | 2100         | 160        | 83  | 6500              | 73976100       |
| HF 24W 830 4P 2G11     | 24       | No              | 3200         | 160        | 83  | 3000              | 82839700       |
| HF 24W 840 4P 2G11     | 24       | No              | 3400         | 160        | 83  | 4000              | 82841000       |
| HF 24W 865 4P 2G11     | 24       | No              | 3400         | 160        | 83  | 6500              | 82843400       |



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All technical information can be found at [www.philips.com/ledtubes](http://www.philips.com/ledtubes)