



# The new generation of universal T8 LEDtube lighting

## CorePro LED tube Universal T8

The new Philips CorePro LEDtube Universal T8 brings simplicity to your lighting project. You can forget about the driver technology. Thanks to a unique design, the Philips CorePro LEDtube Universal T8 directly fits into luminaires operating either on Electro Magnetic ballasts, HF Electronic ballasts or mains power connections. So simple to operate and no need to carry double stock of products! Perfectly safe, reliable and easy to install, the Philips CorePro LEDtube Universal T8 is the ideal alternative to standard fluorescent tubes to save energy and reduce investment.

### Benefits

- Reduced operational cost thanks to lower energy consumption
- Lower maintenance cost thanks to a longer lifetime than conventional lamps
- The fastest and easiest way to upgrade existing luminaires to LEDtechnology; completely safe product and installation process

### Features

- Replacement of existing T8 lamps on both EM/HF ballast and mains power connection installation
- Energy savings compared with fluorescent tubes
- InstantFit technology for largest ballast compatibility
- No mercury

### Application

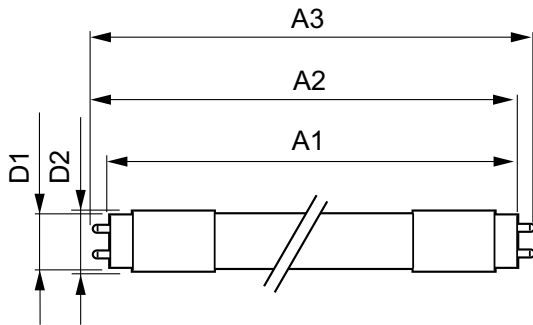
- Offices, shops, classrooms

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## Versions



## Dimensional drawing



| Product                                   | D1      | D2    | A1        | A2        | A3        |
|---|---------|-------|-----------|-----------|-----------|
| CorePro LEDtube UN<br>1500mm HO 23W865 T8 | 27.9 mm | 28 mm | 1500 mm   | 1505.9 mm | 1514.2 mm |
| CorePro LEDtube UN<br>1500mm HO 23W830 T8 | 27.9 mm | 28 mm | 1500 mm   | 1505.9 mm | 1514.2 mm |
| CorePro LEDtube UN<br>1200mm HO 18W830 T8 | 27.9 mm | 28 mm | 1199.4 mm | 1205.3 mm | 1213.6 mm |
| CorePro LEDtube UN<br>1200mm HO 18W865 T8 | 27.9 mm | 28 mm | 1199.4 mm | 1205.3 mm | 1213.6 mm |
| CorePro LEDtube UN<br>1500mm HO 23W840 T8 | 27.9 mm | 28 mm | 1500 mm   | 1505.9 mm | 1514.2 mm |
| CorePro LEDtube UN<br>1200mm HO 18W840 T8 | 27.9 mm | 28 mm | 1199.4 mm | 1205.3 mm | 1213.6 mm |

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## Approval and Application

Energy Efficiency Label (EEL) A+

## Controls and Dimming

Dimmable No

## Operating and Electrical

Input Frequency 50 to 60 Hz

Voltage (Nom) 220-240 V

Starting Time (Nom) 0.5 s

## General Information

Cap-Base G13

Nominal Lifetime (Nom) 30000 h

Switching Cycle 50000X

## Light Technical

Beam Angle (Nom) 240 °

Colour Rendering Index (Nom) 80

Llmf At End Of Nominal Lifetime (Nom) 70 %

## Temperature

T-Ambient (Max) 45 °C

T-Ambient (Min) -20 °C

T-Case Maximum (Nom) 65 °C

T-Storage (Max) 65 °C

T-Storage (Min) -40 °C

## Approval and Application

| Order Code | Full Product Name                      | Energy Consumption kWh/1000 h |
|------------|--|-------------------------------|
| 80166600   | CorePro LEDtube UN 1200mm HO 18W830 T8 | 18 kWh                        |
| 80168000   | CorePro LEDtube UN 1200mm HO 18W840 T8 | 18 kWh                        |
| 80170300   | CorePro LEDtube UN 1200mm HO 18W865 T8 | 18 kWh                        |
| 80172700   | CorePro LEDtube UN 1500mm HO 23W830 T8 | 23 kWh                        |
| 80174100   | CorePro LEDtube UN 1500mm HO 23W840 T8 | 23 kWh                        |
| 80176500   | CorePro LEDtube UN 1500mm HO 23W865 T8 | 23 kWh                        |

## Operating and Electrical

| Order Code | Full Product Name                      | Power (Rated) (Nom) |
|------------|--|---------------------|
| 80166600   | CorePro LEDtube UN 1200mm HO 18W830 T8 | 18 W                |
| 80168000   | CorePro LEDtube UN 1200mm HO 18W840 T8 | 18 W                |
| 80170300   | CorePro LEDtube UN 1200mm HO 18W865 T8 | 18 W                |

| Order Code | Full Product Name                      | Power (Rated) (Nom) |
|------------|--|---------------------|
| 80172700   | CorePro LEDtube UN 1500mm HO 23W830 T8 | 23 W                |
| 80174100   | CorePro LEDtube UN 1500mm HO 23W840 T8 | 23 W                |
| 80176500   | CorePro LEDtube UN 1500mm HO 23W865 T8 | 23 W                |

## Light Technical

| Order Code | Full Product Name                      | Correlated Colour |                   |                     |
|------------|--|-------------------|-------------------|---------------------|
|            |  | Colour Code       | Temperature (Nom) | Luminous Flux (Nom) |
| 80166600   | CorePro LEDtube UN 1200mm HO 18W830 T8 | 830               | 3000 K            | 1850 lm             |
| 80168000   | CorePro LEDtube UN 1200mm HO 18W840 T8 | 840               | 4000 K            | 2000 lm             |
| 80170300   | CorePro LEDtube UN 1200mm HO 18W865 T8 | 865               | 6500 K            | 2000 lm             |
| 80172700   | CorePro LEDtube UN 1500mm HO 23W830 T8 | 830               | 3000 K            | 2500 lm             |
| 80174100   | CorePro LEDtube UN 1500mm HO 23W840 T8 | 840               | 4000 K            | 2700 lm             |

| Order Code | Full Product Name                      | Correlated Colour |                   |                     |
|------------|--|-------------------|-------------------|---------------------|
|            |  | Colour Code       | Temperature (Nom) | Luminous Flux (Nom) |
| 80176500   | CorePro LEDtube UN 1500mm HO 23W865 T8 | 865               | 6500 K            | 2700 lm             |

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