



The affordable LED solution for High-Intensity Discharge (HID) lamp replacement

TrueForce Core LED Public (Urban/Road – HPL/SON)

Philips TrueForce Core LED urban 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 replacement and provide instant savings and low initial investment. With the right lamp size and light distribution, you can easily retrofit TrueForce Core LED 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-efficiency
- Lifetime of 25,000 hours
- The right lamp size and lighting distribution for direct retrofitting
- Bypass ballast and save additional energy
- Pleasant white light with CRI 80

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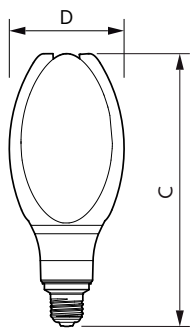
Application

- Public urban – streets, parks, squares
- Public road/area – streets, area

Versions



Dimensional drawing



Product	D	C
TForce Core LED PT 50-42W E27 830 FR	108 mm	265 mm
TForce Core LED PT 30-27W E27 830 FR	96 mm	228 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) 0.3 s

General Information

Cap-Base E27

Nominal Lifetime (Nom) 25000 h

Rated Lifetime (Hours) 25000 h

Switching Cycle 50000X

Light Technical

Colour Code 830

Correlated Colour Temperature (Nom) 3000 K

Colour Rendering Index (Nom) 80

Llmf At End Of Nominal Lifetime (Nom) 70 %

Temperature

T-Case Maximum (Nom) 70 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
59442800	TForce Core LED PT 50-42W E27 830 FR	42 kWh
59438100	TForce Core LED PT 30-27W E27 830 FR	27 kWh

Operating and Electrical

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
59442800	TForce Core LED PT 50-42W E27 830 FR	125 W	42 W

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
59438100	TForce Core LED PT 30-27W E27 830 FR	80 W	27 W

Light Technical

Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
59442800	TForce Core LED PT 50-42W E27 830 FR	5000 lm	5000 lm



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Order Code	Full Product Name	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
59438100	TForce Core LED PT 30-27W E27 830 FR	3000 lm	3000 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
59442800	TForce Core LED PT 50-42W E27 830 FR	Frosted (FR)
59438100	TForce Core LED PT 30-27W E27 830 FR	Frosted

