



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

TrueForce Core LED PT 30-27W E27 830 FR

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.

Product data

General Information	
Cap base E27 [E27]	
Nominal lifetime 25,000 h	
Switching Cycle 50,000	
Lighting Technology LED	
EU RoHS compliant Yes	
Light Technical	
Colour Code 830 [CCT of 3000K]	
Luminous Flux 3,000 lm	
Colour designation White (WH)	
Correlated Colour Temperature 3000 K	
Luminous efficacy (rated) (nom.) 111.00 lm/W	
Colour consistency <6	
Colour rendering index (CRI) 80	

LLMF at end of nominal lifetime (nom.)	70 %
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	27 W
Lamp current (nom.)	120 mA
Starting time (nom.)	0.3 s
Warm-up time to 60% light	0.3 s
Power Factor (Fraction)	0.98
Voltage (nom.)	220-240 V
Temperature	
T-Case maximum (nom.)	70 °C

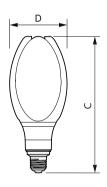
Datasheet, 2023, April 29 data subject to change

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Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb shape	Others
Approval and Application	
Energy consumption kWh/1,000 hours	27 kWh
Product Data	
Order product name	TForce Core LED PT 30-27W E27 830 FR

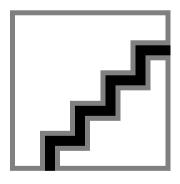
Full product name	TrueForce Core LED PT 30-27W E27 830 FR
Full EOC	871869959438100
Order code	59438100
Material no. (12 NC)	929001925302
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699594381
Numerator – packs per outer box	4
EAN/UPC - Case	8718699594398

Dimensional drawing

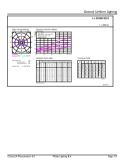


Product	D	С
TForce Core LED PT 30-27W E27 830 FR	96 mm	228 mm

Photometric data



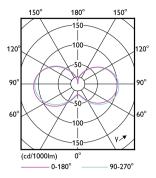




General uniform lighting - TForce Core LED PT 30-27W E27 830 FR

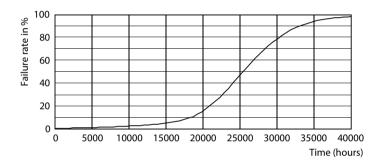
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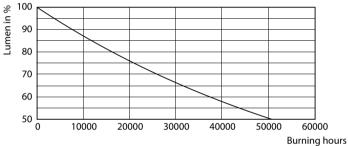
Photometric data



Light Distribution Diagram - TForce Core LED PT 30-27W E27 830 FR

Lifetime





Life Expectancy Diagram - TForce Core LED PT 30-27W E27 830 FR

Lumen Maintenance Diagram - TForce Core LED PT 30-27W E27 830 FR



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