



MASTER - LED HID HPL

TrueForce Core LED PT 30-27W E27 840 FR

Philips Master LED HPL 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 HPL replacement and provide instant saving and low initial investment. With the right lamp size and light distribution, you can easily retrofit Master LED HPL urban lamps and bypass the existing ballast while enhancing the lighting quality.

Warnings and Safety

• Please refer to the installation guide or consult a Philips Lighting representative for wiring diagram and instructions.

Product data

General Information	
Cap-Base	E27 [E27]
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	840 [CCT of 4000K]
Luminous Flux	3,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	111.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
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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

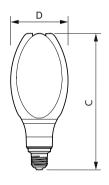
Datasheet, 2023, April 29 data subject to change

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Controls and Dimming		
Dimmable	No	
Mechanical and Housing		
Bulb Finish	Frosted	
Bulb Shape	Others	
Approval and Application		
Energy Consumption kWh/1000 h	27 kWh	
Product Data		
Order product name	TForce Core LED PT 30-27W E27 840 FR	

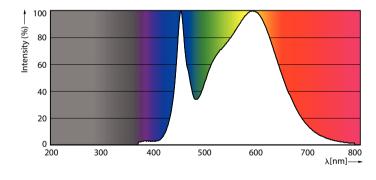
Full product name	TrueForce Core LED PT 30-27W E27 840 FR	
Full product code	871869959440400	
Order code	59440400	
Material Nr. (12NC)	929001925402	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718699594404	
Numerator - Packs per outer box	4	
EAN/UPC - Case	8718699594411	

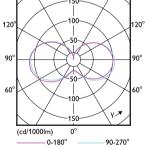
Dimensional drawing



Product	D	С
TForce Core LED PT 30-27W E27 840 FR	96 mm	228 mm

Photometric data





180°

150°

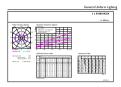
150°

Spectral Power Distribution Colour - TForce Core LED PT 30-27W E27 840 FR

Light Distribution Diagram - TForce Core LED PT 30-27W E27 840 FR

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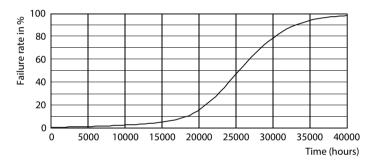
Photometric data

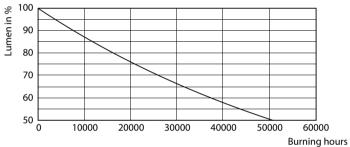


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General uniform lighting - TForce Core LED PT 30-27W E27 840 FR

Lifetime





Life Expectancy Diagram - TForce Core LED PT 30-27W E27 840 FR

Lumen Maintenance Diagram - TForce Core LED PT 30-27W E27 840 FR



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