



MASTER - LED HID HPL

TrueForce Core LED PT 50-42W E27 830 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	830 [CCT of 3000K]
Luminous Flux	5,000 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	119.00 lm/W
Color Consistency	<6
Color 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	42 W
Lamp Current (Nom)	190 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

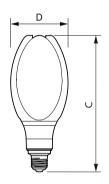
Datasheet, 2023, April 29 data subject to change

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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	42 kWh	
Product Data		
Order product name	TForce Core LED PT 50-42W E27 830 FR	

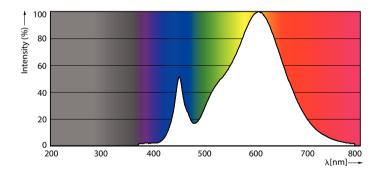
Full product name	TrueForce Core LED PT 50-42W E27 830 FR	
Full product code	871869959442800	
Order code	59442800	
Material Nr. (12NC)	929001925002	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718699594428	
Numerator - Packs per outer box	4	
EAN/UPC - Case	8718699594435	

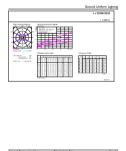
Dimensional drawing



Product	D	С
TForce Core LED PT 50-42W E27 830 FR	108 mm	265 mm

Photometric data



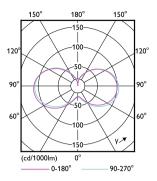


Spectral Power Distribution Colour - TForce Core LED PT 50-42W E27 830

General uniform lighting - TForce Core LED PT 50-42W E27 830 FR

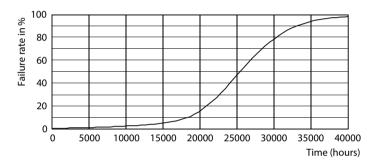
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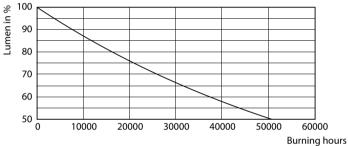
Photometric data



Light Distribution Diagram - TForce Core LED PT 50-42W E27 830 FR

Lifetime





Life Expectancy Diagram - TForce Core LED PT 50-42W E27 830 FR

Lumen Maintenance Diagram - TForce Core LED PT 50-42W E27 830 FR



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