



MASTER - LED HID HPL

TrueForce Core LED PT 50-42W 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		LLMF At End Of Nominal Lifetime (Nom)	
Cap-Base	E27 [E27]		70 %
Nominal lifetime	25,000 hour(s)	Operating and Electrical	
Switching Cycle	50,000	Line Frequency	50 to 60 Hz
Lighting Technology	LED	Input Frequency	50 to 60 Hz
EU RoHS compliant	Yes	Power Consumption	42 W
Light Technical		Lamp Current (Nom)	190 mA
Color Code	840 [CCT of 4000K]	Starting Time (Nom)	0.3 s
Luminous Flux	5,000 lm	Warm-up time to 60% light	0.3 s
Color Designation	Cool White (CW)	Power Factor (Fraction)	0.98
Correlated Color Temperature (Nom)	4000 K	Voltage (Nom)	220-240 V
Luminous Efficacy (rated) (Nom)	119.00 lm/W	Temperature	
Color Consistency	<6	T-Case Maximum (Nom)	70 °C
Color rendering index (CRI)	80		

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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	Others

Approval and Application

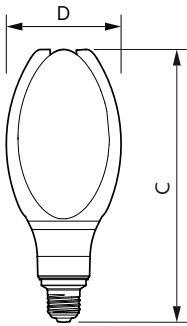
Energy Consumption kWh/1000 h	42 kWh
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Product Data

Order product name	TForce Core LED PT 50-42W E27 840 FR
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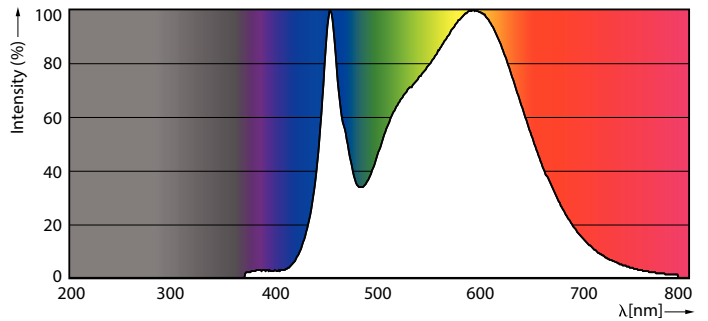
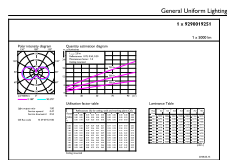
Full product name	TrueForce Core LED PT 50-42W E27 840 FR
Full product code	871869959444200
Order code	59444200
Material Nr. (12NC)	929001925102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699594442
Numerator - Packs per outer box	4
EAN/UPC - Case	8718699594459

Dimensional drawing



Product	D	C
TForce Core LED PT 50-42W E27 840 FR	108 mm	265 mm

Photometric data

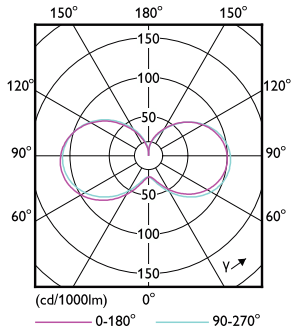


General uniform lighting - TForce Core LED PT 50-42W E27 840 FR

Spectral Power Distribution Colour - TForce Core LED PT 50-42W E27 840 FR

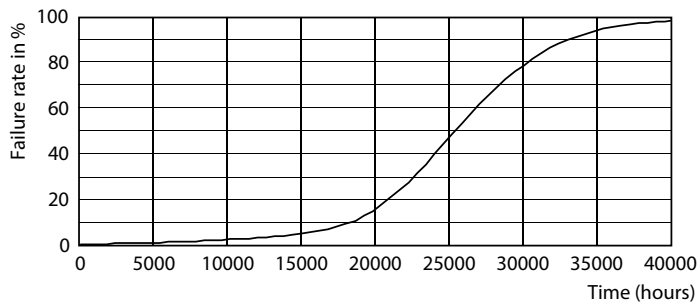
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Photometric data

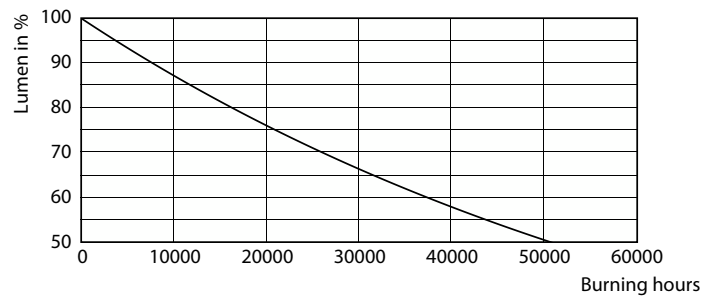


Light Distribution Diagram - TForce Core LED PT 50-42W E27 840 FR

Lifetime



Life Expectancy Diagram - TForce Core LED PT 50-42W E27 840 FR



Lumen Maintenance Diagram - TForce Core LED PT 50-42W E27 840 FR

