PHILIPS Lighting



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	
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	5,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 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** 50 to 60 Hz Line Frequency Input Frequency 50 to 60 Hz 42 W Power Consumption Lamp Current (Nom) 190 mA 0.3 s Starting Time (Nom) 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

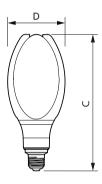
Datasheet, 2023, April 29

MASTER - LED HID HPL

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 840 FR

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

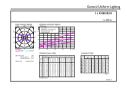


TForce Core LED PT 50-42W E27 840 FR 108 mm 265 mm

D

с

Photometric data



Intensity (%) ----80 60 40 20 0 200 800 λ[nm]—→ 300 400 500 600 700

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

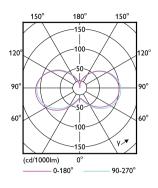
Datasheet, 2023, April 29

Product

100

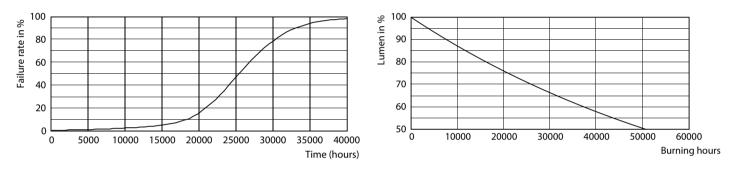
MASTER - LED HID HPL

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



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, April 29 - data subject to change