PHILIPS Lighting



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Trueforce CorePro LED HPL

TForce Core LED HPL 18W E27 830 FR

Philips TrueForce Core LED HPL lamps are an easy, LED solution with a short payback to replace High-Intensity Discharge (HID) lamps. This new generation of LED Core post-top lamps brings all the energy-efficiency and long-lifetime benefits of LED-to-HID replacement, while delivering instant saving for a low initial investment. Furthermore, TrueForce CorePro LED HPL lamps are designed to have the same lamp size and light distribution as their HID alternatives. And thanks to our highpower LED filament technology, you'll never know the difference. Plus, their unique IP65 design means that TrueForce Core LED HPL Post-Top lamps can be used for outdoor, as well as indoor applications.

Warnings and Safety

• Installation must always be performed by a qualified electrician or installer. Use the installation guide for instructions.

Product data

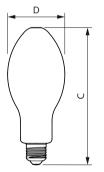
General Information		Colour designation	White (WH)
Cap base	E27 [E27]	Correlated Colour Temperature	3000 K
Nominal lifetime	25,000 h	Luminous efficacy (rated) (nom.)	166 lm/W
witching Cycle	15,000	Colour consistency	<6
ghting Technology	LED	Colour rendering index (CRI)	80
lux measurement reference	Sphere	LLMF at end of nominal lifetime (nom.)	0.7 %
E mark	Yes	Flickering value (PstLM)	1
EU RoHS compliant	Yes	Stroboscopic effect	1.6
		Photobiological safety according to EN 62471	RG1
ight Technical			
olour Code	830 [CCT of 3000K]	Operating and Electrical	
Beam angle (nom.)	300 degree(s)	Line Frequency	50 to 60 Hz
uminous Flux	3,000 lm	Input frequency	50 to 60 Hz

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Power Consumption	18 W
Lamp current (nom.)	170 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.5
Voltage (nom.)	220-240 V
Inrush current at mains	26
Max. lamp no. on MCB B type 10A — Mains	7
Max. lamp no. on MCB B type 10A — EM ballast	-
without Comp. Cap.	
Max. lamp no. on MCB B type 10A — EM ballast	-
with Comp. Cap.	
Max. lamp no. on MCB B type 16A — Mains	12
Max. lamp no. on MCB B type 16A — EM ballast	-
without Comp. Cap.	
Max. lamp no. on MCB B type 16A $-$ EM ballast	-
with Comp. Cap.	
Temperature	
Ambient temperature range	-30 to +45 °C
T-Case maximum (nom.)	50.4 °C
Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Lamp Finish	Frosted
Bulb shape	ED75 [ED 75 mm]
Approval and Application	
Energy Efficiency Class	С
Energy consumption kWh/1,000 hours	18 kWh
EPREL registration number	403620
Product Data	
Order product name	TForce Core LED HPL 18W E27 830
	FR
Full product name	TForce Core LED HPL 18W E27 830
	FR
Full EOC	871869975029900
Order code	75029900
Material no. (12 NC)	929002349902
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699750299
Numerator – packs per outer box	6
EAN/UPC - Case	8718699750305

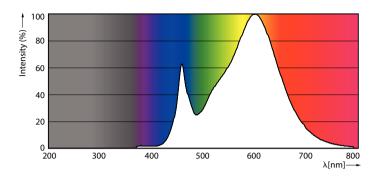
Dimensional drawing



Product	D	с
TForce Core LED HPL 18W E27 830 FR	75 mm	180 mm

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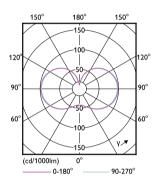
Photometric data



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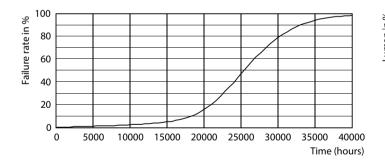
Spectral Power Distribution Colour - TForce Core LED HPL 18W E27 830 FR

General uniform lighting - TForce Core LED HPL 18W E27 830 FR

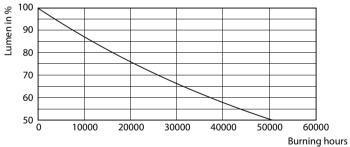


Light Distribution Diagram - TForce Core LED HPL 18W E27 830 FR

Lifetime



Life Expectancy Diagram - TForce Core LED HPL 18W E27 830 FR



Lumen Maintenance Diagram - TForce Core LED HPL 18W E27 830 FR

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