



# Trueforce CorePro LED HPL

## TForce Core LED HPL 18W E27 840 FR

Philips TrueForce Core LED HPL lamps are an easy, LED solution with a short pay-back 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 high-power 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.

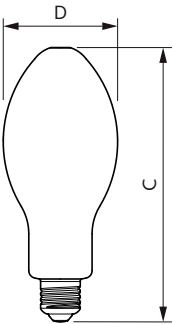
### Product data

General Information		Colour designation	
Cap base	E27 [E27]	Cool White (CW)	
Nominal lifetime	25,000 h	Correlated Colour Temperature	
Switching Cycle	15,000	4000 K	
Lighting Technology	LED	Luminous efficacy (rated) (nom.)	
Flux measurement reference	Sphere	166 lm/W	
CE mark	Yes	Colour consistency	
EU RoHS compliant	Yes	<6	
Light Technical		Colour rendering index (CRI)	
Colour Code	840 [CCT of 4000K]	80	
Beam angle (nom.)	300 degree(s)	LLMF at end of nominal lifetime (nom.)	
Luminous Flux	3,000 lm	0.7 %	
		Flickering value (PstLM)	
		1	
		Stroboscopic effect	
		1.6	
		Photobiological safety according to EN 62471	
		RG1	
		Operating and Electrical	
		Line Frequency	
		50 to 60 Hz	
		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

Dimensional drawing

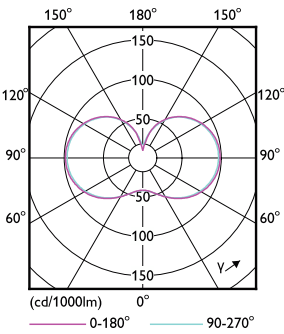


Mechanical and Housing	
Lamp Finish	Frosted
Bulb shape	ED75 [ED 75 mm]
Approval and Application	
Energy Efficiency Class	C
Energy consumption kWh/1,000 hours	18 kWh
EPREL registration number	403621
Product Data	
Order product name	TForce Core LED HPL 18W E27 840 FR
Full product name	TForce Core LED HPL 18W E27 840 FR
Full EOC	871869975031200
Order code	75031200
Material no. (12 NC)	929002350002
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699750312
Numerator – packs per outer box	6
EAN/UPC - Case	8718699750329

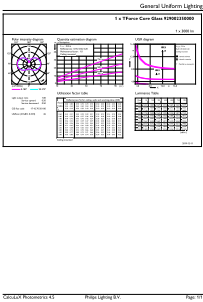
Product	D	C
TForce Core LED HPL 18W E27 840 FR	75 mm	180 mm

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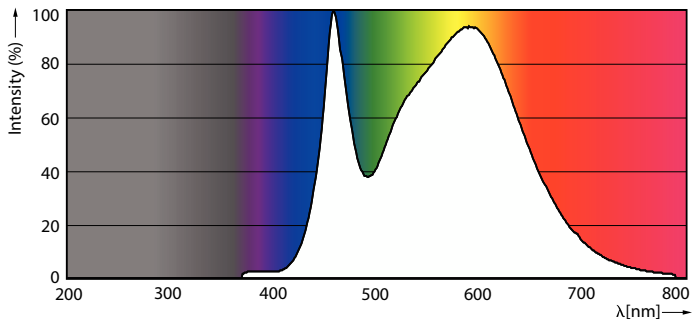
Photometric data



Light Distribution Diagram - TForce Core LED HPL 18W E27 840 FR

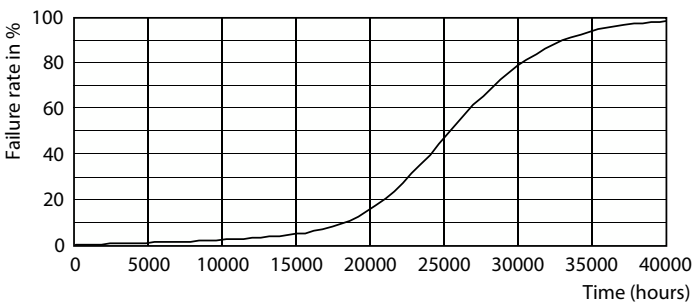


General uniform lighting - TForce Core LED HPL 18W E27 840 FR

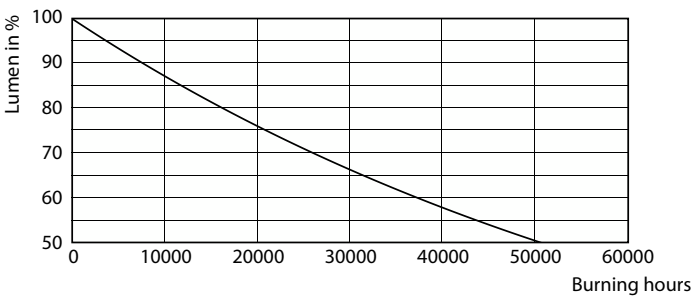


Spectral Power Distribution Colour - TForce Core LED HPL 18W E27 840 FR

Lifetime



Life Expectancy Diagram - TForce Core LED HPL 18W E27 840 FR



Lumen Maintenance Diagram - TForce Core LED HPL 18W E27 840 FR

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