



Corepro - LED HID HPL

TForce Core LED HPL 18W E27 827 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 should always be performed by a qualified electrician or installer. Use the installation guide for instructions.

Product data

General Information		Color Designation	
Cap-Base	E27	Color Designation	Warm White (WW)
Nominal lifetime	25,000 hour(s)	Correlated Color Temperature (Nom)	2700 K
Switching Cycle	50,000	Luminous Efficacy (rated) (Nom)	144 lm/W
Lighting Technology	LED	Color Consistency	<6
Flux measurement reference	Sphere	Color rendering index (CRI)	80
CE mark	Yes	LLMF At End Of Nominal Lifetime (Nom)	70 %
EU RoHS compliant	Yes	Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
		Stroboscopic effect visibility measure (SVM)	3.3
		Photobiological safety according to EN 62471	RG1
Light Technical		Operating and Electrical	
Color Code	827 [CCT of 2700K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	330 degree(s)		
Luminous Flux	2,600 lm		

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Power Consumption	18 W
Lamp Current (Nom)	129 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.	-
Ballast Compatibility	Mains

Temperature

Ambient temperature range	-30 to +45 °C
T-Case Maximum (Nom)	50.4 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	ED75

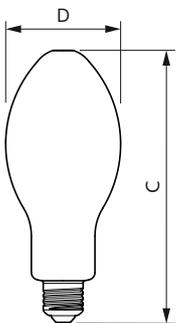
Approval and Application

Energy Efficiency Class	D
Energy Consumption kWh/1000 h	18 kWh
EPREL Registration Number	1617391

Product Data

Order product name	TForce Core LED HPL 18W E27 827 FR
	FR
Full product name	TForce Core LED HPL 18W E27 827 FR
	FR
Full product code	872016926779400
Order code	929003731202
Material Nr. (12NC)	929003731202
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169267794
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169267800

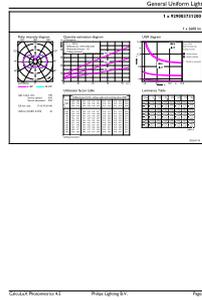
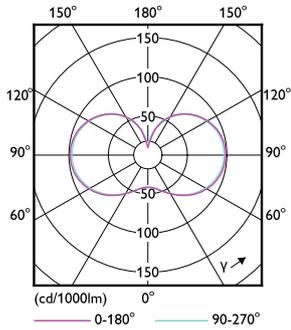
Dimensional drawing



Product	D	C
TForce Core LED HPL 18W E27 827 FR	76 mm	183 mm

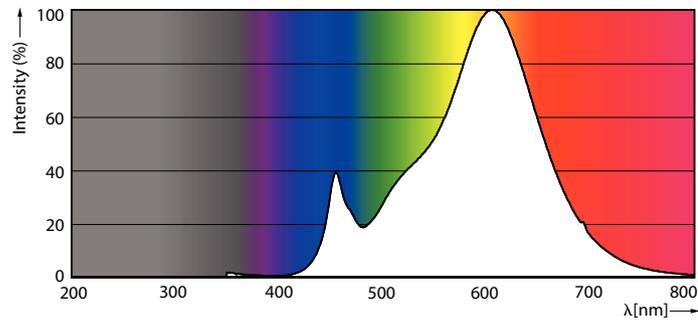
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Photometric data



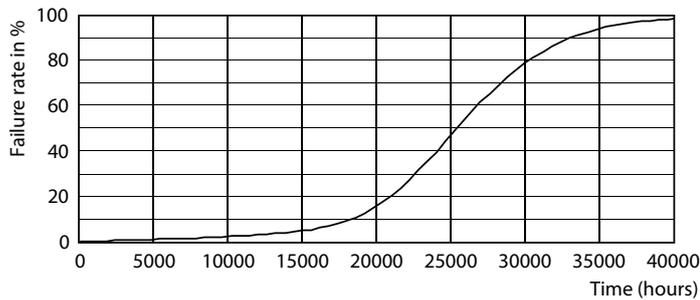
Light Distribution Diagram - TForce Core LED HPL 18W E27 827 FR

General uniform lighting - TForce Core LED HPL 18W E27 827 FR

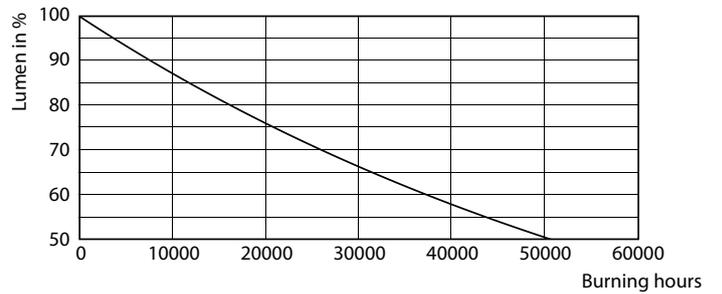


Spectral Power Distribution Colour - TForce Core LED HPL 18W E27 827 FR

Lifetime



Life Expectancy Diagram - TForce Core LED HPL 18W E27 827 FR



Lumen Maintenance Diagram - TForce Core LED HPL 18W E27 827 FR

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