PHILIPS Lighting



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

Product data

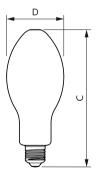
General Information		Luminous Efficacy (rated) (Nom)	144 lm/W
Cap-Base	E27	Color Consistency	<6
Nominal lifetime	25,000 hour(s)	Color rendering index (CRI)	80
Switching Cycle	50,000	LLMF At End Of Nominal Lifetime (Nom)	70 %
Lighting Technology	LED	Photobiological safety according to EN 62471	RG1
Flux measurement reference	Sphere		
		Operating and Electrical	
Light Technical		Input Frequency	50 to 60 Hz
Color Code	827 [CCT of 2700K]	Power Consumption	18 W
Beam Angle (Nom)	330 degree(s)	Lamp Current (Nom)	127 mA
Luminous Flux	2,600 lm	Starting Time (Nom)	0.5 s
Color Designation	Warm White (WW)	Warm-up time to 60% light	0.5 s
Correlated Color Temperature (Nom)	2700 K	Power Factor (Fraction)	0.5

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Voltage (Nom)	220-240 V	Energy Consumption kWh/1000 h	18 kWh
Ballast Compatibility	Mains only	EPREL Registration Number	1962817
Inrush current at mains	5.9	CE mark	Yes
Max. lamp no. on MCB B type 10A - Mains	48	EU RoHS compliant	Yes
Max. lamp no. on MCB B type 10A - EM ballast	-	Flickering value (PstLM) - Flickering value as per	1
without Compensation Capacitor.		EN 61000-3-3	
Max. lamp no. on MCB B type 10A - EM ballast	-	Stroboscopic effect visibility measure (SVM)	1.6
with Compensation Capacitor.		Ambient temperature range	-30 to +45 °C
Max. lamp no. on MCB B type 16A - Mains	77		
Max. lamp no. on MCB B type 16A - EM ballast	-	Application Conditions	
without Compensation Capacitor.		can it be used in closed luminaires	Yes
Max. lamp no. on MCB B type 16A - EM ballast	-		
with Compensation Capacitor.		Product Data	
		Order product name	TForce Core LED HPL 18W E27 827
Temperature		—	FR
T-Case Maximum (Nom)	43.2 °C	Full product name	TForce Core LED HPL 18W E27 827
		_	FR
Controls and Dimming		Full product code	872016926779400
Dimmable	No	Order code	929003731202
		Material Nr. (12NC)	929003731202
Mechanical and Housing		Numerator - Quantity Per Pack	1
Bulb Finish	Frosted	EAN/UPC - Product/Case	8720169267794
Bulb Shape	ED75	Numerator - Packs per outer box	6
Net Weight (Piece)	0.119 kg	EAN/UPC - Case	8720169267800
Approval and Application		_	
Energy Efficiency Class	D	—	

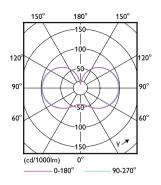
Dimensional drawing



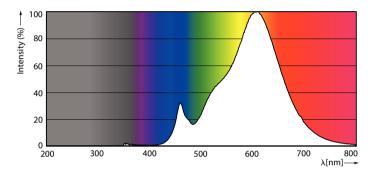
Product	D	с
TForce Core LED HPL 18W E27 827 FR	76 mm	183 mm

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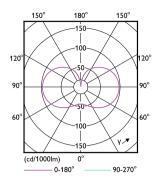
Photometric data



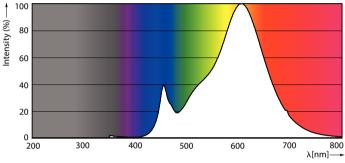
Light Distribution Diagram - TForce Core LED HPL 18W E27 827 FR



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



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

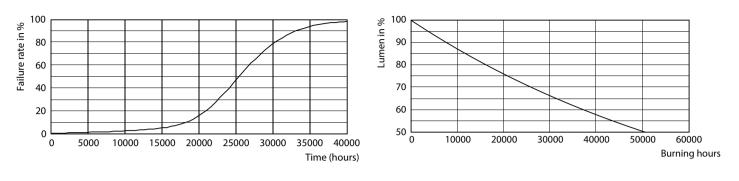
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General uniform lighting - TForce Core LED HPL 18W E27 827 FR

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Lifetime



Life Expectancy Diagram

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



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