



Corepro - LED HID HPL



TForce Core LED HPL 18W E27 830 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		Luminous Efficacy (rated) (Nom)	
Cap-Base	E27		166 lm/W
Nominal lifetime	25,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color rendering index (CRI)	80
Lighting Technology	LED	LLMF At End Of Nominal Lifetime (Nom)	70 %
Flux measurement reference	Sphere	Photobiological safety according to EN 62471	RG1
Light Technical		Operating and Electrical	
Color Code	830 [CCT of 3000K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	300 degree(s)	Input Frequency	50 to 60 Hz
Luminous Flux	3,000 lm	Power Consumption	18 W
Color Designation	White (WH)	Lamp Current (Nom)	127 mA
Correlated Color Temperature (Nom)	3000 K	Starting Time (Nom)	0.5 s
		Warm-up time to 60% light	0.5 s

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Power Factor (Fraction)	0.5
Voltage (Nom)	220-240 V
Ballast Compatibility	Mains only
Inrush current at mains	5.9
Max. lamp no. on MCB B type 10A - Mains	48
Max. lamp no. on MCB B type 10A - EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A - EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A - Mains	77
Max. lamp no. on MCB B type 16A - EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A - EM ballast with Compensation Capacitor.	-

Temperature

T-Case Maximum (Nom)	43.2 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	ED75
Net Weight (Piece)	0.130 kg

Approval and Application

Energy Efficiency Class	C
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Energy Consumption kWh/1000 h	18 kWh
EPREL Registration Number	403620
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	1.6
Ambient temperature range	-30 to +45 °C

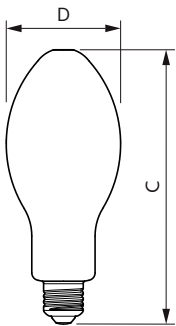
Application Conditions

can it be used in closed luminaires	Yes
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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 product code	871869975029900	
Order code	929002349902	
Material Nr. (12NC)	929002349902	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718699750299	
Numerator - Packs per outer box	6	
EAN/UPC - Case	8718699750305	

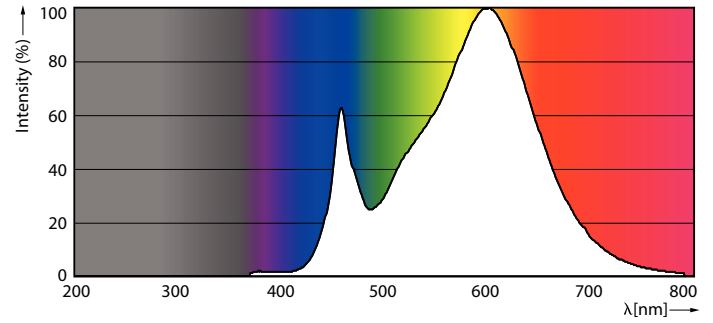
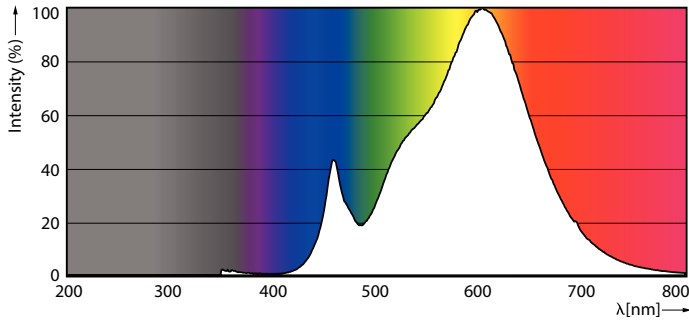
Dimensional drawing



Product	D	C
TForce Core LED HPL 18W E27 830 FR	76 mm	183 mm

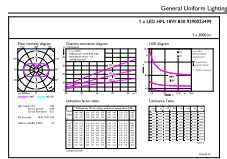
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Photometric data

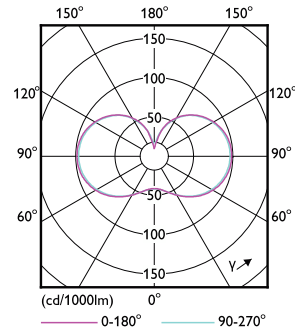


Spectral Power Distribution Colour - TForce Core LED HPL 18W E27 830 FR

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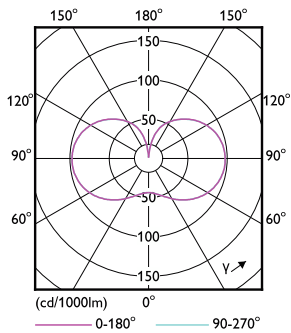


General Uniform Lighting



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

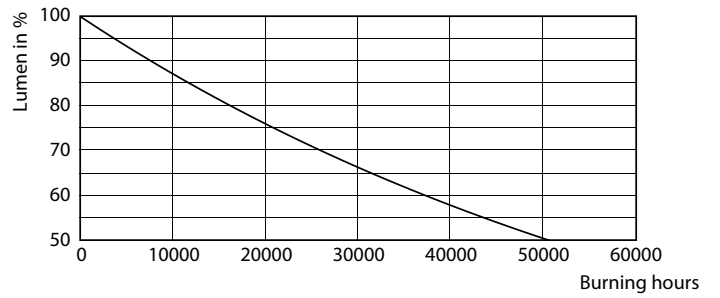
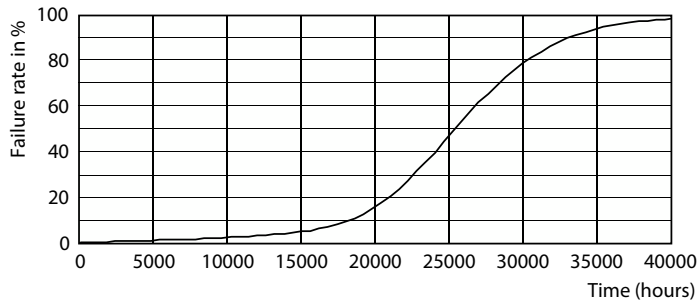
General uniform lighting - TForce Core LED HPL 18W E27 830 FR



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

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Lifetime



Life Expectancy Diagram

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

