



Corepro - LED HID HPL

TForce Core LED HPL 13W 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

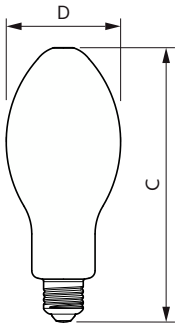
General Information		Color Designation	
Cap-Base	E27	Color Designation	White (WH)
Nominal lifetime	25,000 hour(s)	Correlated Color Temperature (Nom)	3000 K
Switching Cycle	15,000	Luminous Efficacy (rated) (Nom)	153.00 lm/W
Lighting Technology	LED	Color Consistency	<6
Flux measurement reference	Sphere	Color rendering index (CRI)	80
CE mark	Yes	LLMF At End Of Nominal Lifetime (Nom)	0.7 %
EU RoHS compliant	Yes	Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
		Stroboscopic effect visibility measure (SVM)	1.6
		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)		
Luminous Flux	2,000 lm		

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Input Frequency	50 to 60 Hz
Power Consumption	13 W
Lamp Current (Nom)	130 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)	42 °C
Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	ED75
Approval and Application	
Energy Efficiency Class	D
Energy Consumption kWh/1000 h	13 kWh
EPREL Registration Number	403618
Product Data	
Order product name	TForce Core LED HPL 13W E27 830 FR
Full product name	TForce Core LED HPL 13W E27 830 FR
Full product code	871869975025100
Order code	929002349702
Material Nr. (12NC)	929002349702
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699750251
Numerator - Packs per outer box	6
EAN/UPC - Case	8718699750268

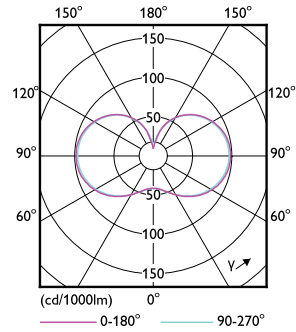
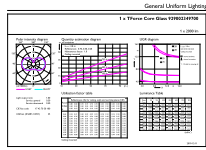
Dimensional drawing



Product	D	C
TForce Core LED HPL 13W E27 830 FR	75 mm	180 mm

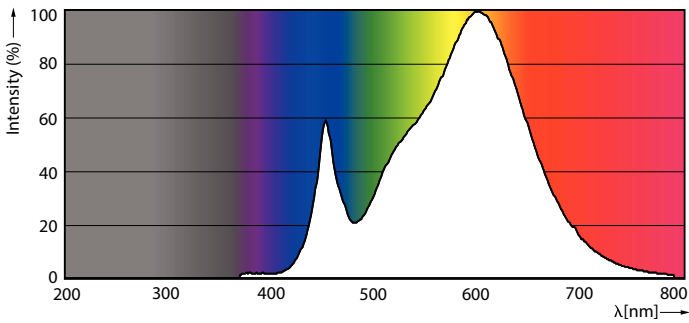
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Photometric data



General uniform lighting - TForce Core LED HPL 13W E27 830 FR

Light Distribution Diagram - TForce Core LED HPL 13W E27 830 FR



Spectral Power Distribution Colour - TForce Core LED HPL 13W E27 830 FR

Lifetime



Life Expectancy Diagram - TForce Core LED HPL 13W E27 830 FR



Lumen Maintenance Diagram - TForce Core LED HPL 13W E27 830 FR

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