



Trueforce CorePro LED 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 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	Colour designation	White (WH)
Nominal lifetime	25,000 h	Correlated Colour Temperature	3000 K
Switching Cycle	15,000	Luminous efficacy (rated) (nom.)	153.00 lm/W
Lighting Technology	LED	Colour consistency	<6
Flux measurement reference	Sphere	Colour rendering index (CRI)	80
CE mark	Yes	LLMF at end of nominal lifetime (nom.)	0.7 %
EU RoHS compliant	Yes	Flickering value (PstLM)	1
		Stroboscopic effect	1.6
		Photobiological safety according to EN 62471	RG1
Light Technical		Operating and Electrical	
Colour 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	2,000 lm		

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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

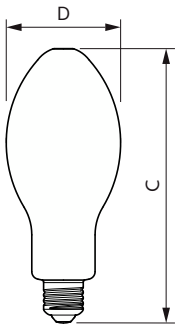
Temperature

Ambient temperature range	-30 to +45 °C
T-Case maximum (nom.)	42 °C

Controls and Dimming

Dimmable	No
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Dimensional drawing



Mechanical and Housing

Lamp Finish	Frosted
Bulb shape	ED75

Approval and Application

Energy Efficiency Class	D
Energy consumption kWh/1,000 hours	13 kWh
EPREL registration number	403618

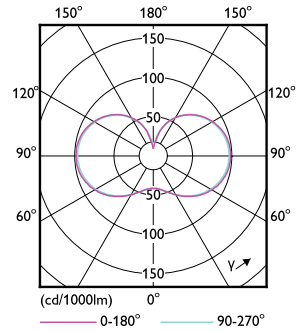
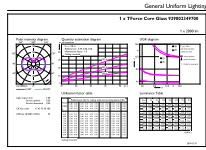
Product Data

Order product name	TForce Core LED HPL 13W E27 830 FR
Full product name	TForce Core LED HPL 13W E27 830 FR
Full EOC	871869975025100
Order code	75025100
Material no. (12 NC)	929002349702
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699750251
Numerator – packs per outer box	6
EAN/UPC - Case	8718699750268

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

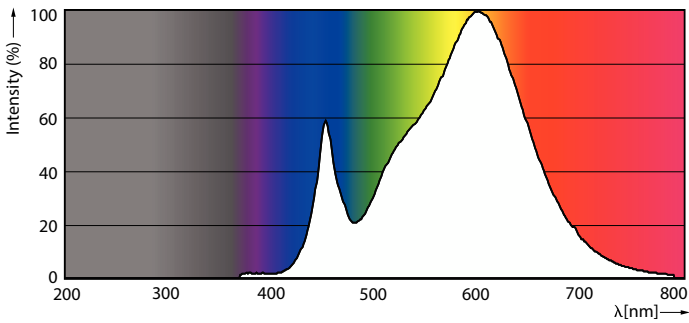
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Photometric data



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

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

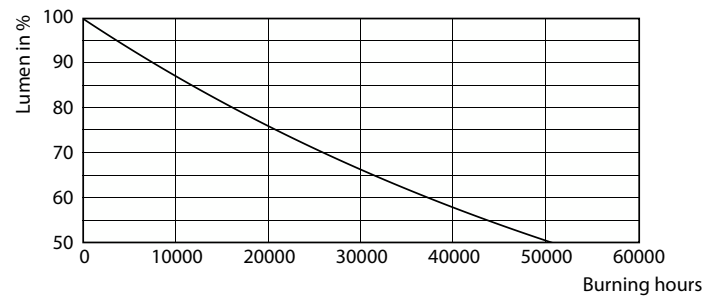


Spectral Power Distribution Colour - TForce Core LED HPL 13W E27 830 FR

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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