



# Trueforce CorePro LED HPL



## TForce Core LED HPL 13W E27 830 FR

CorePro, LED, ED75, Mains only, 13 W, E27, 3000 K, 2000 lm, CRI 80, 25000 h

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	
Cap base	E27
Nominal lifetime	25,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Warranty period	3 years

Light Technical	
Colour Code	830 [CCT of 3000K]
Beam angle (nom.)	300 degree(s)
Luminous Flux	2,000 lm
Colour designation	White (WH)
Correlated Colour Temperature (Nom)	3000 K
Luminous efficacy (rated) (nom.)	153 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80

Trueforce CorePro LED HPL

LLMF at end of nominal lifetime (nom.)	70 %
Photobiological safety according to EN 62471	RG1

Operating and Electrical

Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	13 W
Lamp current (nom.)	97 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	5.9
Max. lamp no. on MCB B type 10A — Mains	53
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	85
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.	-
Wattage Equivalent (LED HID only)	HPL 50W
Ballast Compatibility	Mains only

Temperature

T-Case maximum (nom.)	38.2 °C
-----------------------	---------

Controls and Dimming

Dimmable	No
----------	----

Mechanical and Housing

Lamp Finish	Frosted
-------------	---------

Bulb shape	ED75
Net Weight (Piece)	0.130 kg

Approval and Application

Energy Efficiency Class	D
Energy-saving product	Yes
Energy consumption kWh/1,000 hours	13 kWh
EPREL Registration Number	403618
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	1.6
Ambient temperature range	-30 to +45 °C

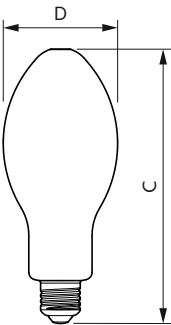
Application Conditions

Can it be used in closed luminaires	Yes
-------------------------------------	-----

Product Data

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

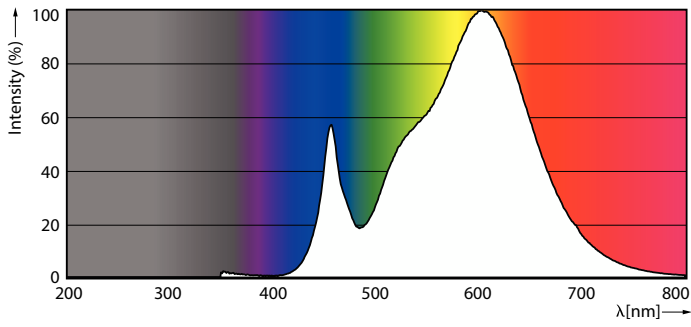
Dimensional drawing



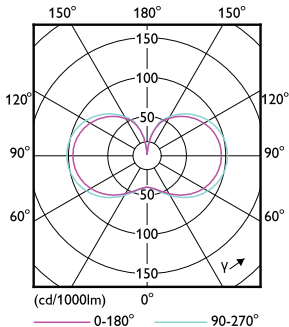
Product	D	C
TForce Core LED HPL 13W E27 830 FR	76 mm	183 mm

Trueforce CorePro LED HPL

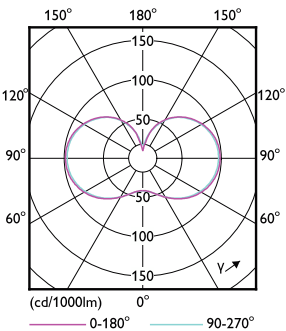
Photometric data



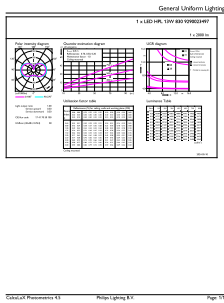
Spectral Power Distribution Colour - TForce Core LED HPL 13W E27 830 FR



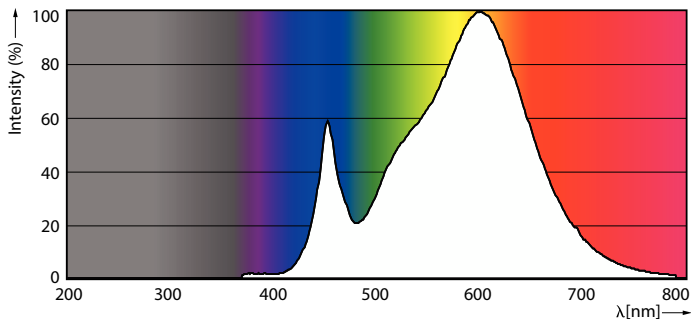
Light Distribution Diagram - TForce Core LED HPL 13W E27 830 FR



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



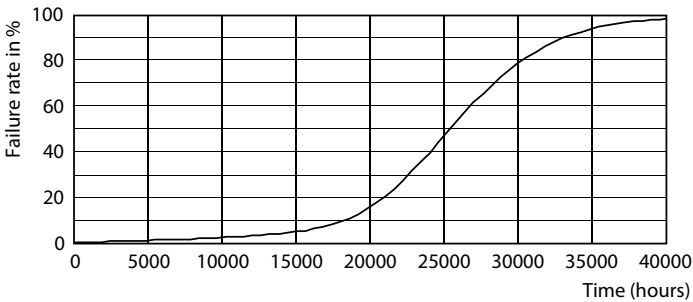
General uniform lighting - TForce Core LED HPL 13W E27 830 FR



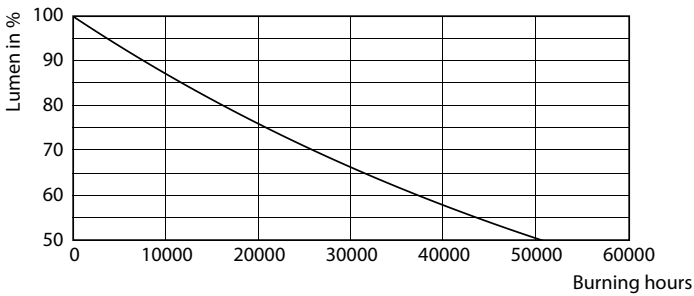
Spectral Power Distribution Colour - TForce Core LED HPL 13W E27 830 FR

Trueforce CorePro LED HPL

Lifetime



Life Expectancy Diagram



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

