



# Corepro - LED HID HPL



## TForce Core LED HPL 36W 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 [E27]	White (WH)	
Nominal lifetime	25,000 hour(s)	Correlated Color Temperature (Nom)	3000 K
Switching Cycle	15,000	Luminous Efficacy (rated) (Nom)	152.00 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)	70 %
EU RoHS compliant	Yes	Flickering value (PstLM)	1
		Stroboscopic effect value (SVM)	1.6
		Photobiological safety according to EN 62471	RG0
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	5,500 lumen		

Corepro - LED HID HPL

Power Consumption	36 W
Lamp Current (Nom)	165 mA
Wattage Equivalent	200 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V

Temperature

Ambient temperature range	-30 to +45 °C
T-Case Maximum (Nom)	59 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	ED90 [ED 90mm]

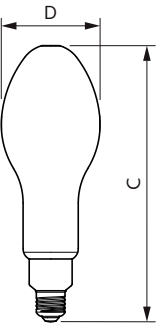
Approval and Application

Energy Efficiency Class	D
Energy Consumption kWh/1000 h	36 kWh
EPREL Registration Number	403654

Product Data

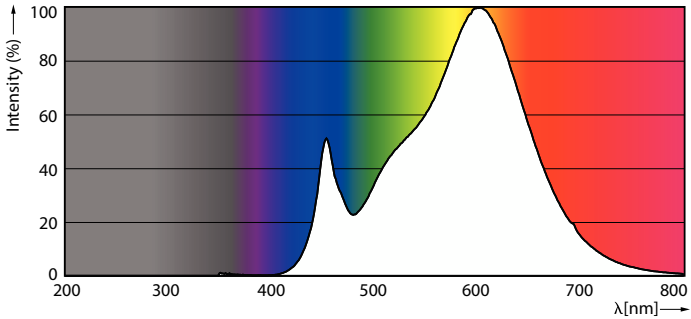
Full product code	871951429927600
Order product name	TForce Core LED HPL 36W E27 830 FR
Order code	929002481202
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929002481202
Full product name	TForce Core LED HPL 36W E27 830 FR
EAN/UPC - Case	8719514299283
EAN/UPC - Product/Case	8719514299276

Dimensional drawing

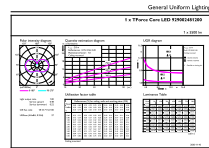


Product	D	C
TForce Core LED HPL 36W E27 830 FR	90 mm	245 mm

Photometric data



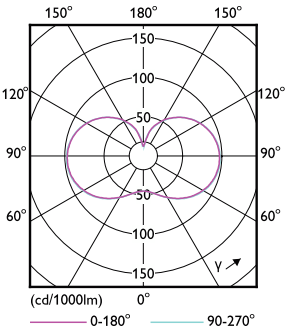
Spectral Power Distribution Colour - TForce Core LED HPL 36W E27 830 FR



General uniform lighting - TForce Core LED HPL 36W E27 830 FR

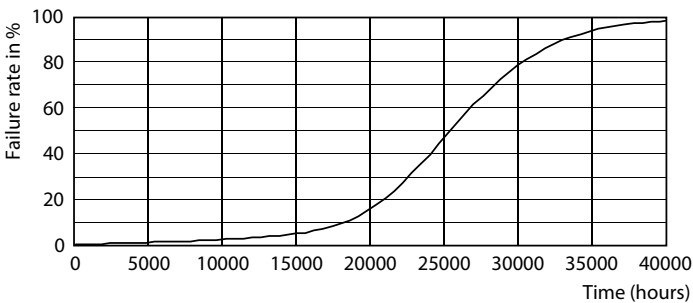
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Photometric data

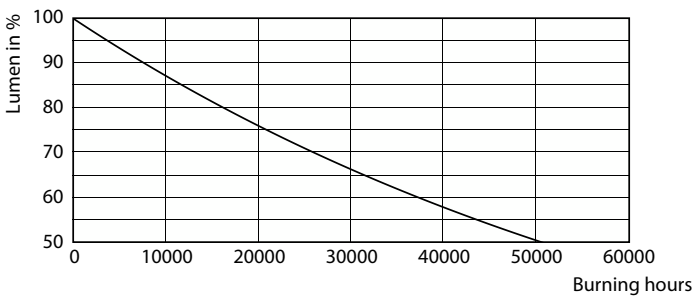


Light Distribution Diagram - TForce Core LED HPL 36W E27 830 FR

Lifetime



Life Expectancy Diagram - TForce Core LED HPL 36W E27 830 FR



Lumen Maintenance Diagram - TForce Core LED HPL 36W E27 830 FR

