



Trueforce CorePro LED HPL

TForce Core LED HPL 36W E27 830 FR

CorePro, LED HPL, Oval, Mains only, 36 W, HPL 125W, SON 70W, E27, 3000 K, 5500 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		Light Technical	
Cap base	E27	Colour Code	830 [CCT of 3000K]
Nominal lifetime	25,000 h	Beam angle (nom.)	300 degree(s)
Switching Cycle	50,000	Luminous Flux	5,500 lm
Lighting Technology	LED HPL	Colour designation	White (WH)
Flux measurement reference	Sphere	Correlated Colour Temperature (Nom)	3000 K
Warranty period	3 years	Luminous efficacy (rated) (nom.)	152 lm/W
		Colour consistency	<6
		Colour rendering index (CRI)	80

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LLMF at end of nominal lifetime (nom.)	70 %
Photobiological safety according to EN 62471	RG0

Operating and Electrical

Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	36 W
Lamp current (nom.)	143 mA
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
Inrush current at mains	32
Max. lamp no. on MCB B type 10A — Mains	6
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	10
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 125W, SON 70W
Ballast Compatibility	Mains only

Temperature

T-Case maximum (nom.)	43.3 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Lamp Finish	Frosted
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Bulb material	Glass
Bulb shape	Oval
Net Weight (Piece)	0.204 kg

Approval and Application

Energy Efficiency Class	D
Energy-saving product	Yes
Energy consumption kWh/1,000 hours	36 kWh
EPREL Registration Number	403654
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	1.6
Ambient temperature range	-30 to +45 °C

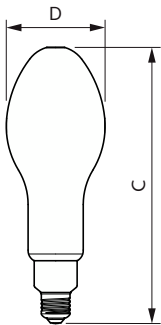
Application Conditions

Can it be used in closed luminaires	Yes
Wireless Technology	Not applicable

Product Data

Order product name	TForce Core LED HPL 36W E27 830 FR
Full product name	TForce Core LED HPL 36W E27 830 FR
Full EOC	871951429927600
Order code	929002481202
Material no. (12 NC)	929002481202
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514299276
Numerator – packs per outer box	6
EAN/UPC - Case	8719514299283

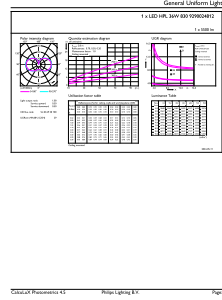
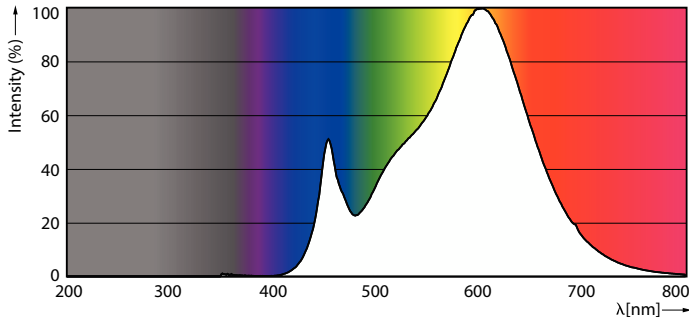
Dimensional drawing



Product	D	C
TForce Core LED HPL 36W E27 830 FR	91.5 mm	249 mm

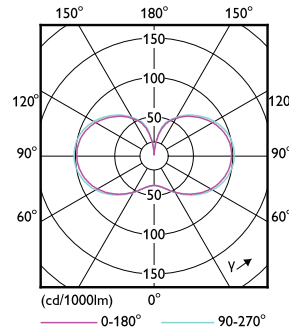
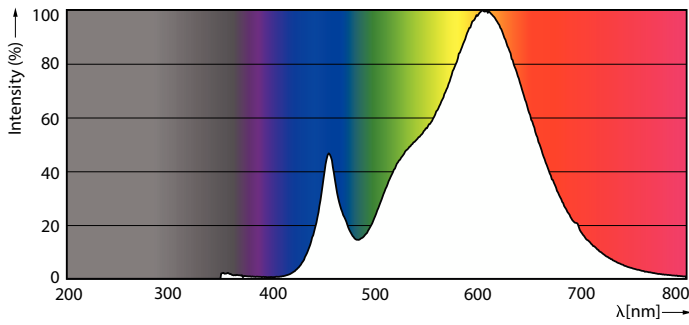
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Photometric data



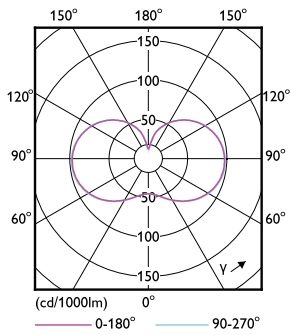
Spectral Power Distribution Colour - TForce Core LED HPL 36W E27 830 FR

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



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

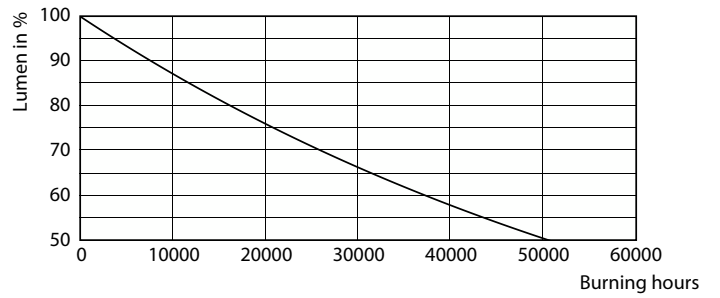
Light Distribution Diagram - TForce Core LED HPL 36W E27 830 FR



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

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Lifetime



Life Expectancy Diagram

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

