



Corepro - LED HID HPL



TForce Core LED HPL 36W E40 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	E40 [E40]	White (WH)	
Nominal lifetime	25,000 hour(s)	Correlated Color Temperature (Nom)	
Switching Cycle	15,000	3000 K	
Lighting Technology	LED	Luminous Efficacy (rated) (Nom)	
Flux measurement reference	Sphere	152.00 lm/W	
CE mark	Yes	Color Consistency	
EU RoHS compliant	Yes	<6	
Light Technical		Color rendering index (CRI)	
Color Code	830 [CCT of 3000K]	80	
Beam Angle (Nom)	300 degree(s)	LLMF At End Of Nominal Lifetime (Nom)	
Luminous Flux	5,500 lumen	70 %	
		Flickering value (PstLM)	
		1	
		Stroboscopic effect value (SVM)	
		1.6	
		Photobiological safety according to EN 62471	
		RG0	
		Operating and Electrical	
		Line Frequency	
		50 to 60 Hz	
		Input Frequency	
		50 to 60 Hz	

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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]

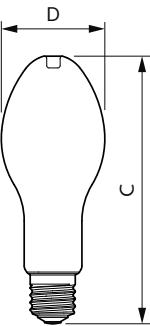
Approval and Application

Energy Efficiency Class	D
Energy Consumption kWh/1000 h	36 kWh
EPREL Registration Number	403656

Product Data

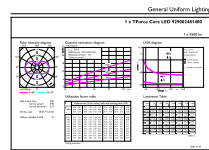
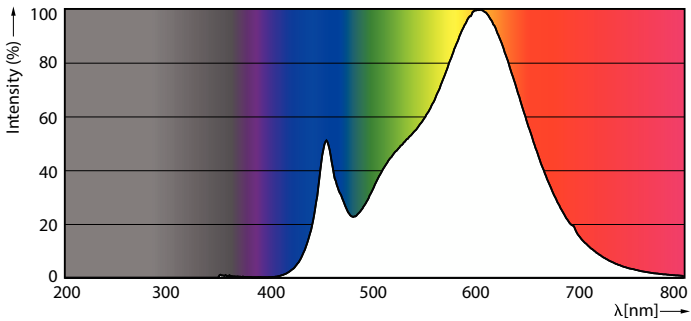
Full product code	871951429931300
Order product name	TForce Core LED HPL 36W E40 830 FR
Order code	929002481402
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929002481402
Full product name	TForce Core LED HPL 36W E40 830 FR
EAN/UPC - Case	8719514299320
EAN/UPC - Product/Case	8719514299313

Dimensional drawing



Product	D	C
TForce Core LED HPL 36W E40 830 FR	90 mm	230 mm

Photometric data

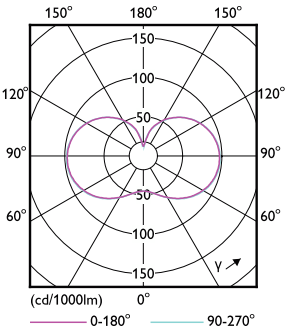


Spectral Power Distribution Colour - TForce Core LED HPL 36W E40 830 FR

General uniform lighting - TForce Core LED HPL 36W E40 830 FR

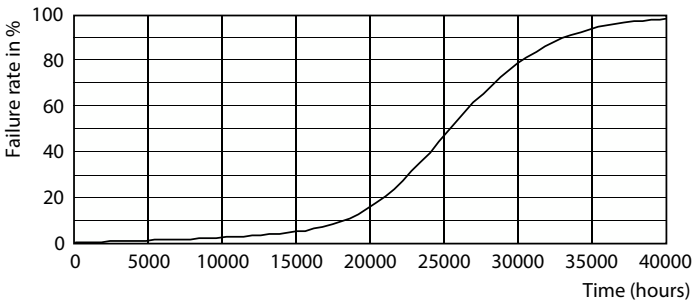
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Photometric data

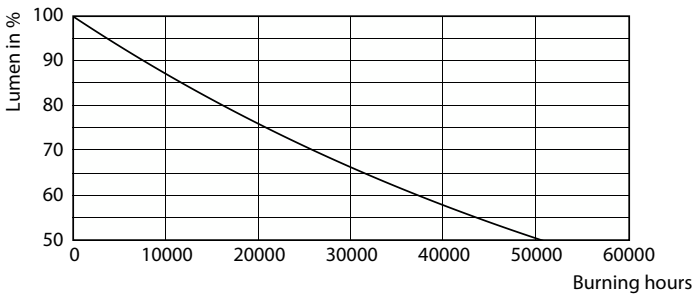


Light Distribution Diagram - TForce Core LED HPL 36W E40 830 FR

Lifetime



Life Expectancy Diagram - TForce Core LED HPL 36W E40 830 FR



Lumen Maintenance Diagram - TForce Core LED HPL 36W E40 830 FR

