



Corepro - LED HID HPL



TForce Core LED HPL 24.5W E27 830 FR

LED, Oval, Mains only, 24.5 W, E27, 3000 K, 4000 lm, CRI 80, 25000 hour(s)

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	
Cap-Base	E27
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Warranty period	3 years

Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	300 degree(s)
Luminous Flux	4,000 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	163 lm/W
Color Consistency	<6
Color 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

Input Frequency	50 to 60 Hz
Power Consumption	24.5 W
Lamp Current (Nom)	175 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	10.6
Max. lamp no. on MCB B type 10A - Mains	30
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	49
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)	44.6 °C
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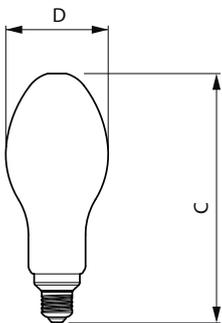
Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
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Dimensional drawing



Bulb Shape	Oval
Net Weight (Piece)	0.140 kg

Approval and Application

Energy Efficiency Class	C
Energy Saving Product	Yes
Energy Consumption kWh/1000 h	25 kWh
EPREL Registration Number	1962813
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	1.6
Ambient temperature range	-30 to +45 °C

Application Conditions

can it be used in closed luminaires	Yes
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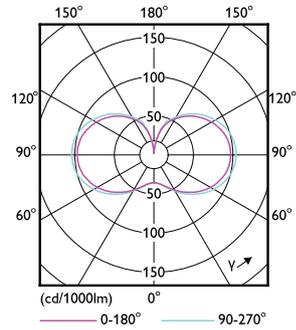
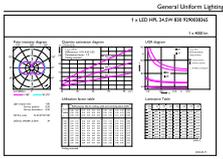
Product Data

Order product name	TForce Core LED HPL 24.5W E27 830 FR
Full product name	TForce Core LED HPL 24.5W E27 830 FR
Full product code	872016933633900
Order code	929003836502
Material Nr. (12NC)	929003836502
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169336339
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169336346

Product	D	C
TForce Core LED HPL 24.5W E27 830 FR	91.5 mm	218 mm

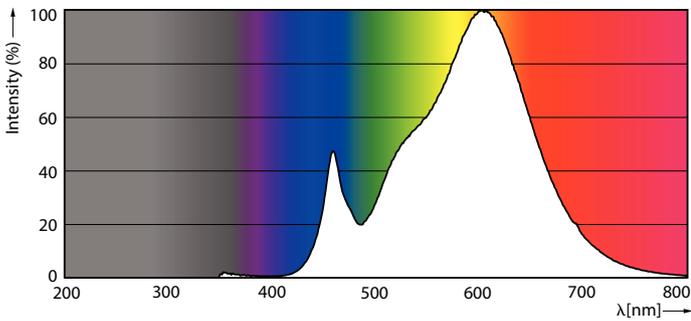
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Photometric data



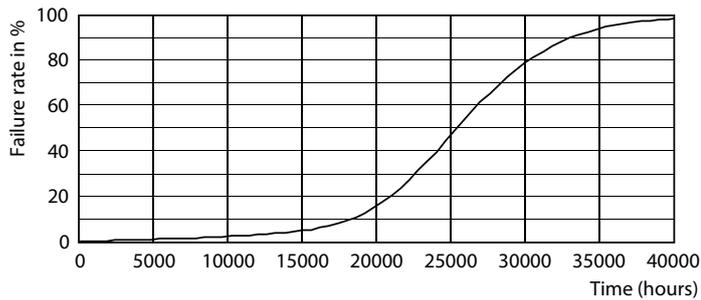
General uniform lighting - TForce Core LED HPL 24.5W E27 830 FR

Light Distribution Diagram - TForce Core LED HPL 24.5W E27 830 FR

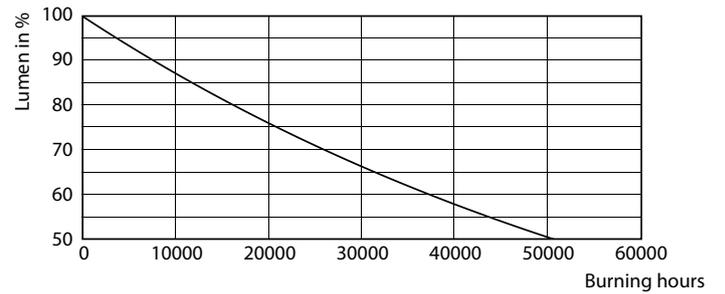


Spectral Power Distribution Colour - TForce Core LED HPL 24.5W E27 830 FR

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - TForce Core LED HPL 24.5W E27 830 FR

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