



Corepro - LED HID HPL



TForce Core LED HPL 24.5W E27 840 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	
Cap-Base	E27
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	300 degree(s)
Luminous Flux	4,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K

Luminous Efficacy (rated) (Nom)	163 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
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



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Voltage (Nom)	220-240 V
Ballast Compatibility	Mains only
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.	-

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
Bulb Shape	ED90
Net Weight (Piece)	0.140 kg

Approval and Application

Energy Efficiency Class	C
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Energy Consumption kWh/1000 h	25 kWh
EPREL Registration Number	1962815
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

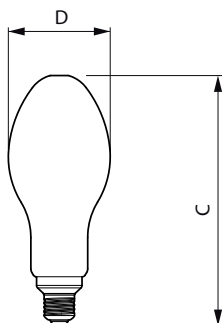
Application Conditions

can it be used in closed luminaires	Yes
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Product Data

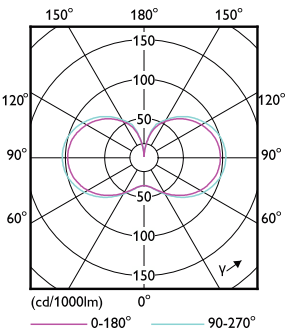
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Full product name	TForce Core LED HPL 24.5W E27 840 FR
Full product code	872016933635300
Order code	929003836602
Material Nr. (12NC)	929003836602
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169336353
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169336360

Dimensional drawing

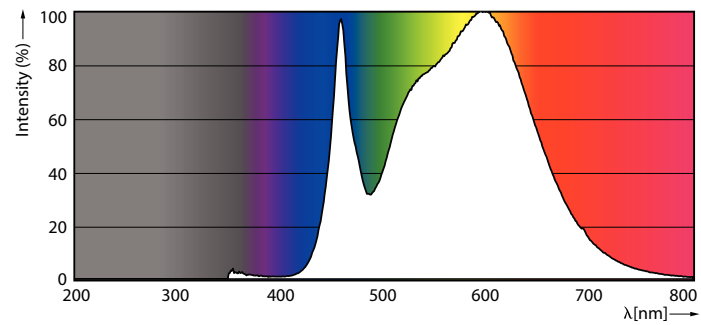


Product	D	C
TForce Core LED HPL 24.5W E27 840 FR	91.5 mm	218 mm

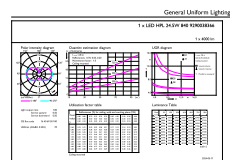
Photometric data



Light Distribution Diagram - TForce Core LED HPL 24.5W E27 840 FR

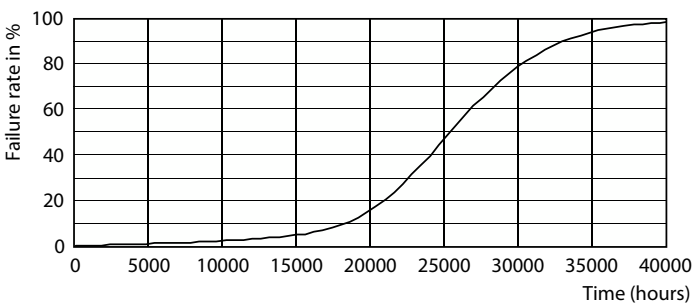


Spectral Power Distribution Colour - TForce Core LED HPL 24.5W E27 840 FR

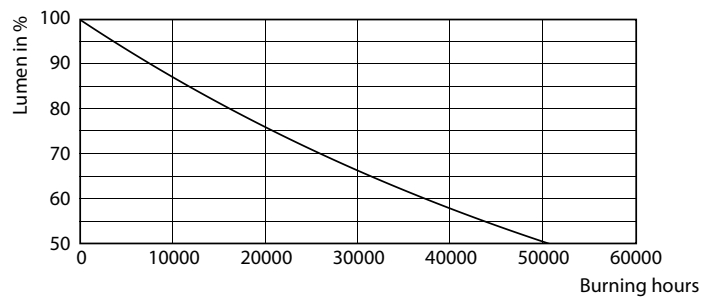


General uniform lighting - TForce Core LED HPL 24.5W E27 840 FR

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - TForce Core LED HPL 24.5W E27 840 FR

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