



# 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

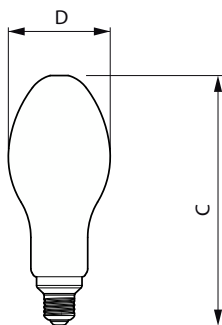
### Application Conditions

can it be used in closed luminaires	Yes
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### Product Data

Order product name	TForce Core LED HPL 24.5W E27 840 FR
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

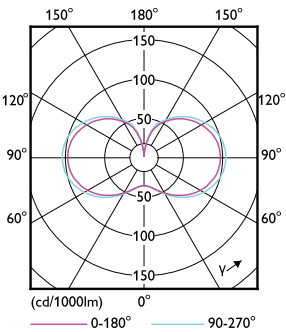
## Dimensional drawing



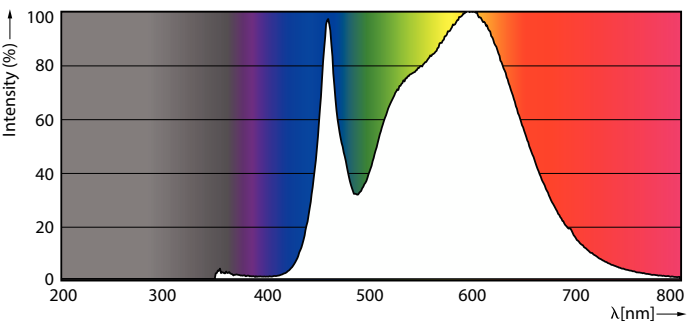
Product	D	C
TForce Core LED HPL 24.5W E27 840 FR	91.5 mm	218 mm

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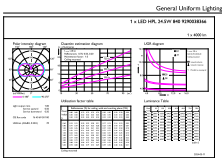
Photometric data



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

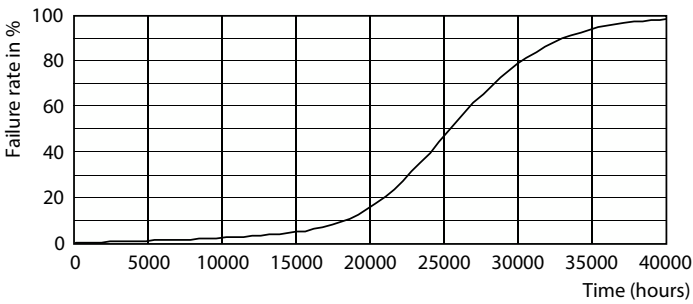


Spectral Power Distribution Colour - TForce Core LED HPL 24.5W E27 840 FR

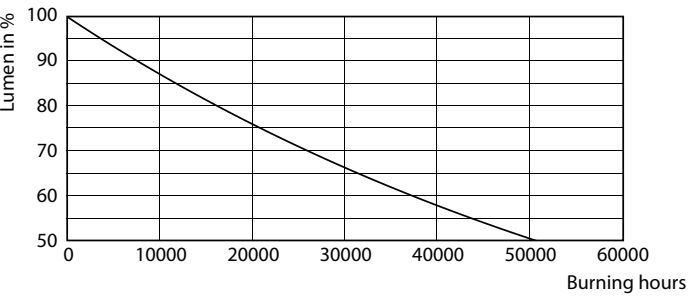


General uniform lighting - TForce Core LED HPL 24.5W E27 840 FR

Lifetime



Life Expectancy Diagram



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

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