



Corepro - LED HID HPL



TForce Core LED HPL 13W E27 827 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	827 [CCT of 2700K]
Beam Angle (Nom)	330 degree(s)
Luminous Flux	1,800 lm
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K

Operating and Electrical	
Luminous Efficacy (rated) (Nom)	138 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RG1
Input Frequency	50 to 60 Hz
Power Consumption	13 W
Lamp Current (Nom)	97 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	5.9
Max. lamp no. on MCB B type 10A – Mains	53
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	85
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)	38.2 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	ED75
Net Weight (Piece)	0.110 kg

Approval and Application

Energy Efficiency Class	D
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Energy Consumption kWh/1000 h	13 kWh
EPREL Registration Number	1962816
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

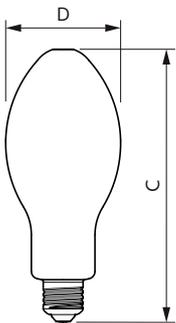
Application Conditions

can it be used in closed luminaires	Yes
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Product Data

Order product name	TForce Core LED HPL 13W E27 827 FR
Full product name	TForce Core LED HPL 13W E27 827 FR
Full product code	872016926777000
Order code	929003731102
Material Nr. (12NC)	929003731102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169267770
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169267787

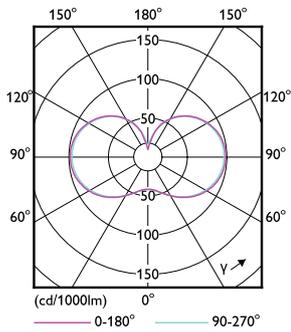
Dimensional drawing



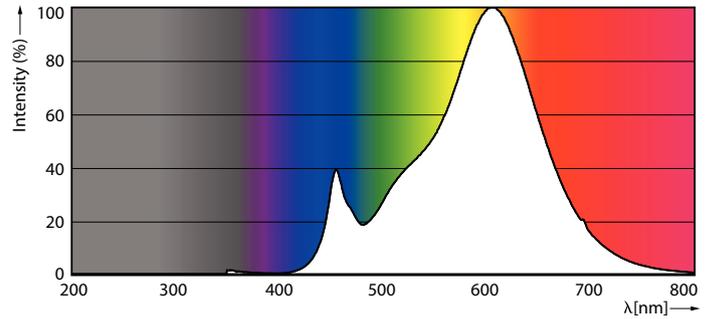
Product	D	C
TForce Core LED HPL 13W E27 827 FR	76 mm	183 mm

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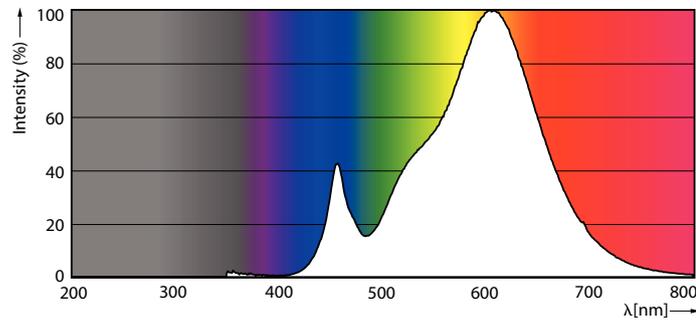
Photometric data



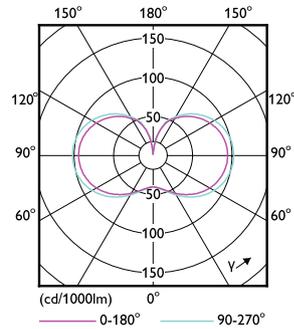
Light Distribution Diagram - TForce Core LED HPL 13W E27 827 FR



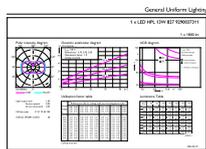
Spectral Power Distribution Colour - TForce Core LED HPL 13W E27 827 FR



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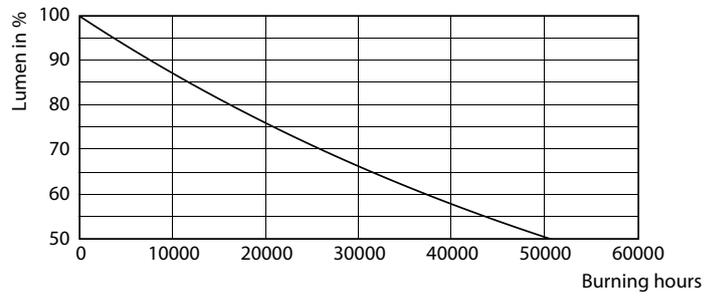
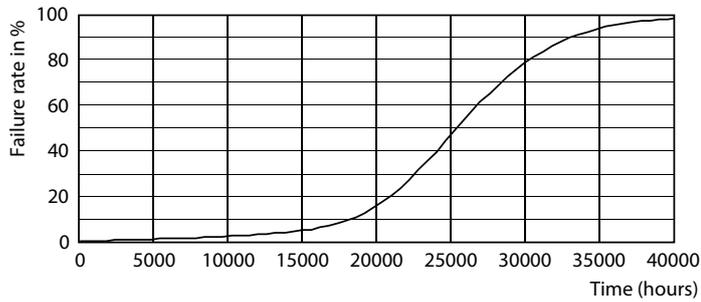
Light Distribution Diagram - TForce Core LED HPL 13W E27 827 FR



General uniform lighting - TForce Core LED HPL 13W E27 827 FR

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Lifetime



Life Expectancy Diagram

Lumen Maintenance Diagram - TForce Core LED HPL 13W E27 827 FR

