Trueforce CorePro LED HPL

TForce Core LED HPL 26W 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 must 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 h
Switching Cycle	15,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical	
Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	300 degree(s)
Luminous Flux	4,000 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	153 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	0.7 %
Photobiological safety according to EN 62471	RG1

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	26 W
Lamp current (nom.)	145 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s

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Power Factor (Fraction)	0.9
Voltage (nom.)	220-240 V
Inrush current at mains	29
Max. lamp no. on MCB B type 10A — Mains	6
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	9
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.	-
Ballast Compatibility	Mains

Temperature

T-Case maximum (nom.)	54 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Lamp Finish	Frosted
Bulb shape	ED90
Net Weight (Piece)	0.210 kg

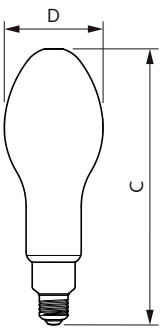
Approval and Application

Energy Efficiency Class	D
Energy consumption kWh/1,000 hours	26 kWh
EPREL Registration Number	403623
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	1.6
Ambient temperature range	-30 to +45 °C

Product Data

Order product name	TForce Core LED HPL 26W E27 840 FR
Full product name	TForce Core LED HPL 26W E27 840 FR
Full EOC	871869975035000
Order code	75035000
Material no. (12 NC)	929002350202
Numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699750350
Numerator – packs per outer box	6
EAN/UPC - Case	8718699750367

Dimensional drawing



Product	D	C
TForce Core LED HPL 26W E27 840 FR	90 mm	245 mm

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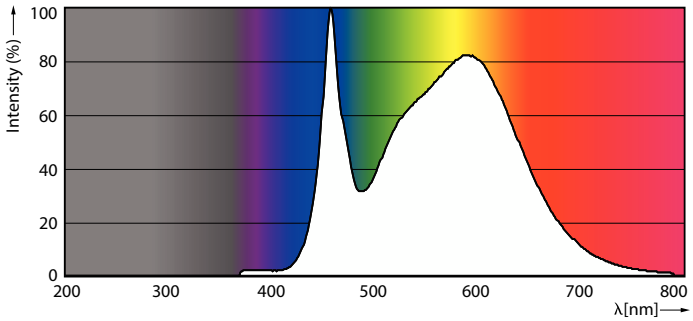
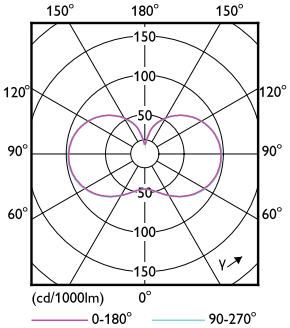
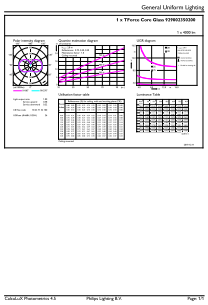
Photometric data



Spectral Power Distribution Colour - TForce Core LED HPL 26W E27 840 FR

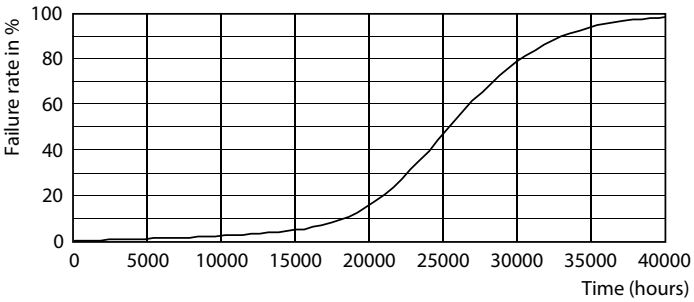


Light Distribution Diagram - TForce Core LED HPL 26W E27 840 FR

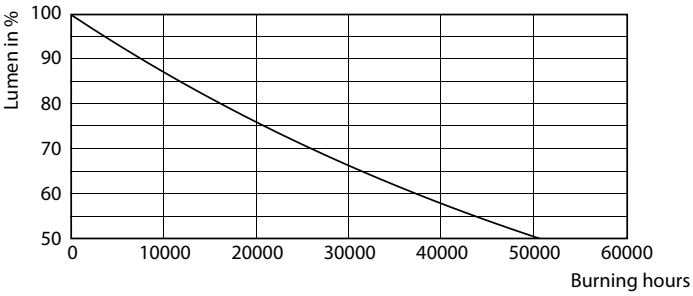


General uniform lighting - TForce Core LED HPL 26W E27 840 FR

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - TForce Core LED HPL 26W E27 840 FR

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