Trueforce CorePro LED HPL

TForce Core LED HPL 36W E27 830 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 [E27]
Nominal lifetime	25,000 h
Switching Cycle	15,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes

Light Technical	
Colour Code	830 [CCT of 3000K]
Beam angle (nom.)	300 degree(s)
Luminous Flux	5,500 lm
Colour designation	White (WH)
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	152.00 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Flickering value (PstLM)	1
Stroboscopic effect	1.6
Photobiological safety according to EN 62471	RG0

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz

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Power Consumption	36 W
Lamp current (nom.)	165 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
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 Comp. Cap.	-
Max. lamp no. on MCB B type 10A — EM ballast with Comp. Cap.	-
Max. lamp no. on MCB B type 16A — Mains	9
Max. lamp no. on MCB B type 16A — EM ballast without Comp. Cap.	-
Max. lamp no. on MCB B type 16A — EM ballast with Comp. Cap.	-

Temperature

Ambient temperature range	-30 to +45 °C
T-Case maximum (nom.)	59 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Lamp Finish	Frosted
Bulb shape	ED90 [ED 90 mm]

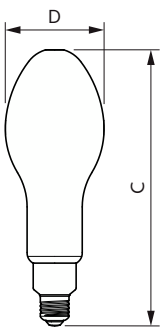
Approval and Application

Energy Efficiency Class	D
Energy consumption kWh/1,000 hours	36 kWh
EPREL registration number	403654

Product Data

Order product name	TForce Core LED HPL 36W E27 830 FR
Full product name	TForce Core LED HPL 36W E27 830 FR
Full EOC	871951429927600
Order code	29927600
Material no. (12 NC)	929002481202
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8719514299276
Numerator – packs per outer box	6
EAN/UPC - Case	8719514299283

Dimensional drawing



Product	D	C
TForce Core LED HPL 36W E27 830 FR	90 mm	245 mm

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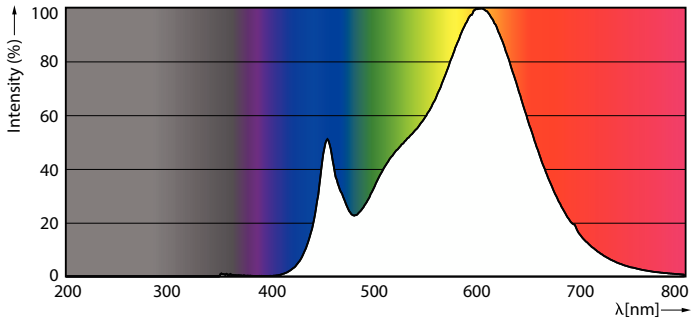
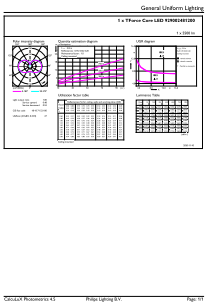
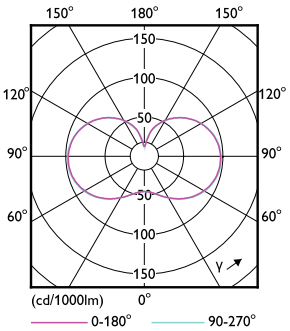
Photometric data



Spectral Power Distribution Colour - TForce Core LED HPL 36W E27 830 FR

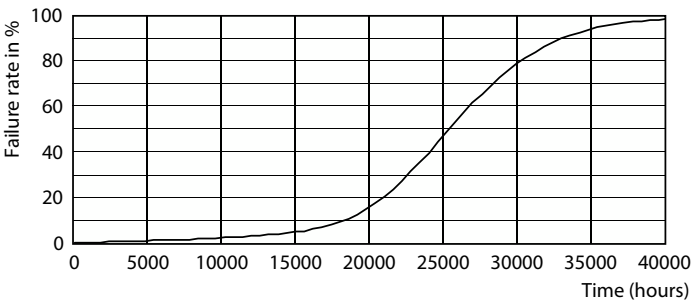


General uniform lighting - TForce Core LED HPL 36W E27 830 FR

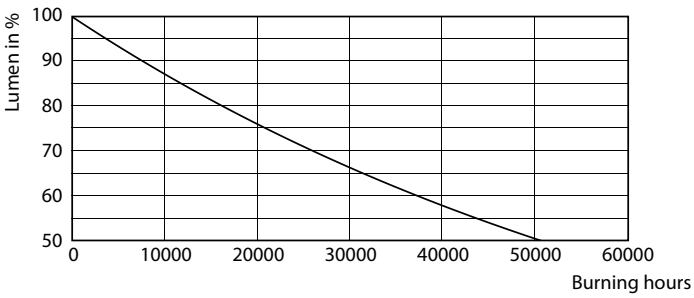


Light Distribution Diagram - TForce Core LED HPL 36W E27 830 FR

Lifetime



Life Expectancy Diagram - TForce Core LED HPL 36W E27 830 FR



Lumen Maintenance Diagram - TForce Core LED HPL 36W E27 830 FR

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www.lighting.philips.com
2023, April 15 - data subject to change