Corepro - LED HID HPL

TForce Core LED HPL 18W 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	15,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	300 degree(s)
Luminous Flux	3,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	166 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	0.7 %
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	1.6
Photobiological safety according to EN 62471	RG1

Operating and Electrical	
Line Frequency	50 to 60 Hz

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Input Frequency	50 to 60 Hz
Power Consumption	18 W
Lamp Current (Nom)	170 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.5
Voltage (Nom)	220-240 V
Inrush current at mains	26
Max. lamp no. on MCB B type 10A - Mains	7
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	12
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.	-
Ballast Compatibility	Mains

Temperature

Ambient temperature range	-30 to +45 °C
T-Case Maximum (Nom)	50.4 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	ED75

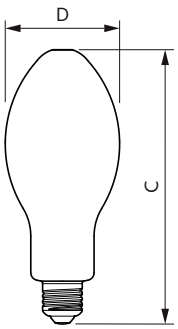
Approval and Application

Energy Efficiency Class	C
Energy Consumption kWh/1000 h	18 kWh
EPREL Registration Number	403621

Product Data

Order product name	TForce Core LED HPL 18W E27 840 FR
Full product name	TForce Core LED HPL 18W E27 840 FR
Full product code	871869975031200
Order code	929002350002
Material Nr. (12NC)	929002350002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699750312
Numerator - Packs per outer box	6
EAN/UPC - Case	8718699750329

Dimensional drawing



Product	D	C
TForce Core LED HPL 18W E27 840 FR	75 mm	180 mm

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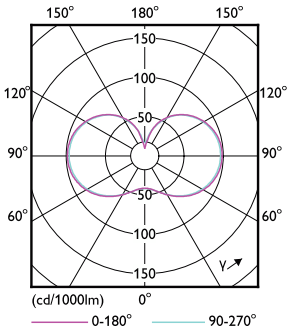
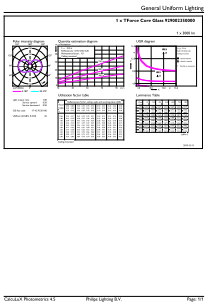
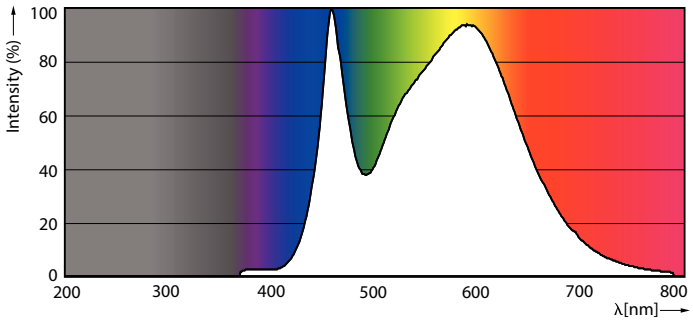
Photometric data



Light Distribution Diagram - TForce Core LED HPL 18W E27 840 FR

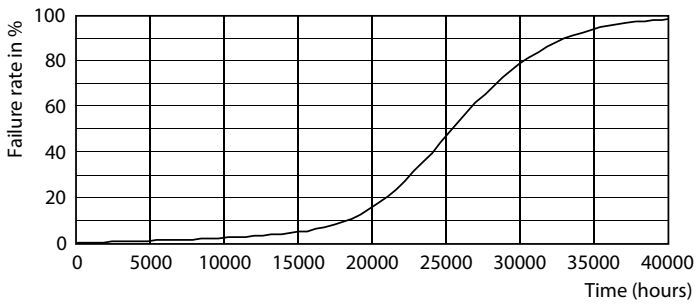


General uniform lighting - TForce Core LED HPL 18W E27 840 FR

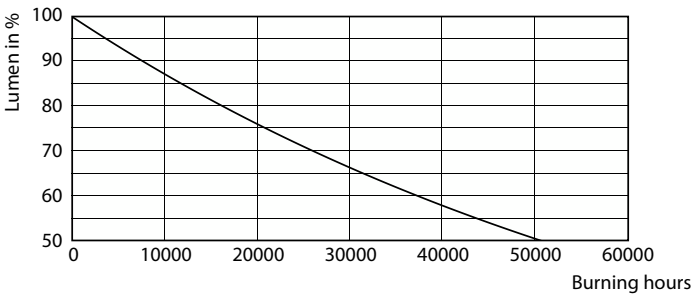


Spectral Power Distribution Colour - TForce Core LED HPL 18W E27 840 FR

Lifetime



Life Expectancy Diagram - TForce Core LED HPL 18W E27 840 FR



Lumen Maintenance Diagram - TForce Core LED HPL 18W E27 840 FR

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