Corepro - LED HID HPL

TForce Core LED HPL 18W E27 840 FR

CorePro, LED HPL, Oval, Mains only, 18 W, HPL 80W, SON 50W, E27, 4000 K, 3000 lm, CRI 80, 25000 hour(s)

CorePro, LED HPL, Oval, Mains only, 18 W, LED alternative to HPL 80W, SON 50W, E27, 4000 K, 3000 lm, CRI 80, 25000 hour(s), 166 lm/W, EEL C, PF 0.5, Beam angle 300 degree(s), Glass, RG1, IP65, SVM 1.6, PstLM 1

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 HPL
Flux measurement reference	Sphere
Warranty period	3 years

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)	70 %
Photobiological safety according to EN 62471	RG1

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	18 W
Lamp Current (Nom)	127 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	5.9

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Max. lamp no. on MCB B type 10A - Mains	48
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	77
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.	-
Wattage Equivalent (LED HID only)	HPL 80W, SON 50W
Ballast Compatibility	Mains only

Temperature

T-Case Maximum (Nom)	43.2 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Bulb Shape	Oval
Net Weight (Piece)	0.130 kg

Approval and Application

Energy Efficiency Class	C
Energy Saving Product	Yes

Energy Consumption kWh/1000 h	18 kWh
EPREL Registration Number	403621
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

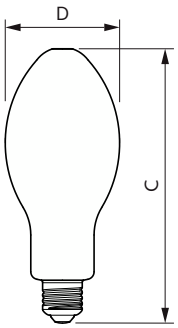
Application Conditions

can it be used in closed luminaires	Yes
Wireless Technology	Not applicable

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	76 mm	183 mm

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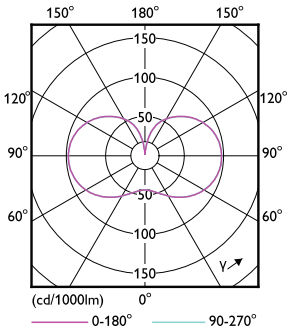
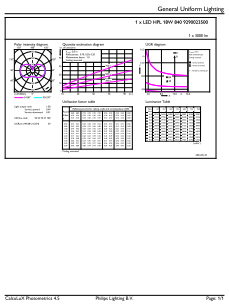
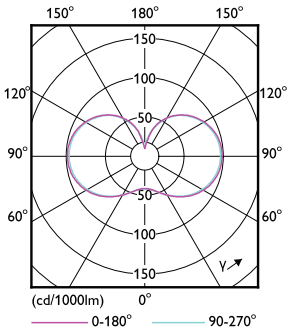
Photometric data



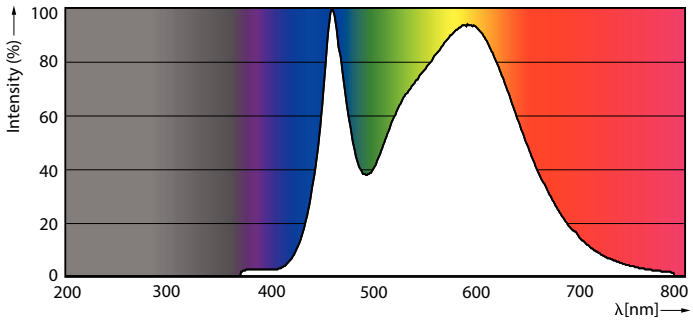
Light Distribution Diagram - TForce Core LED HPL 18W E27 840 FR



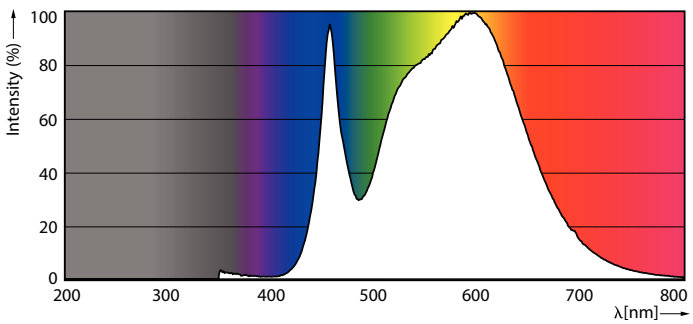
General uniform lighting - TForce Core LED HPL 18W E27 840 FR



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



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



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

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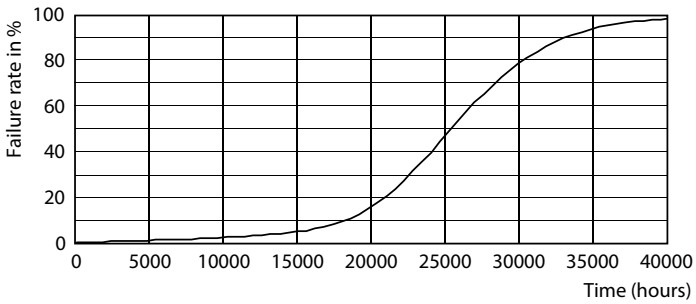
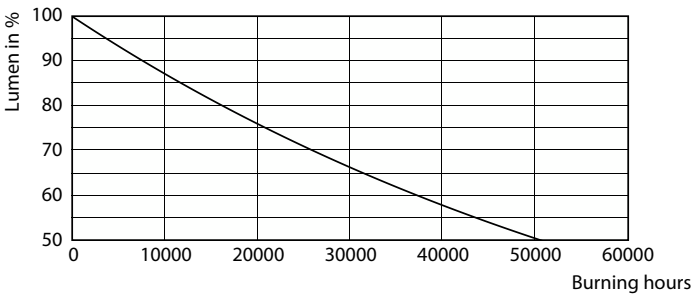
Lifetime



Life Expectancy Diagram



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

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