PHILIPS

TForce Core LED HPL 24.5W E27 840 FR

929003836602



LED HPL, Oval, Mains only, 24.5 W, HPL 125W, SON 70W, E27, 4000 K, 4000 lm, CRI 80, 25000 hour(s)



LED HPL, Oval, Mains only, 24.5 W, LED alternative to HPL 125W, SON 70W, E27, 4000 K, 4000 lm, CRI 80, 25000 hour(s), 163 lm/W, EEL C, PF 0.5, Beam angle 300 degree(s), Glass, RG0, 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.

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	4,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	163 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RG0

Operating and Electrical

Input Frequency	50 to 60 Hz
Power Consumption	24.5 W
Lamp Current (Nom)	175 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	10.6
Max. lamp no. on MCB B type 10A - Mains	30
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	49
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 125W, SON 70W
Ballast Compatibility	Mains only

Temperature

T-Case Maximum (Nom)	44.6 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Bulb Shape	Oval
Net Weight (Piece)	0.140 kg

Approval and Application

Energy Efficiency Class	C
Energy Saving Product	Yes
Energy Consumption kWh/1000 h	25 kWh
EPREL Registration Number	1962815
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

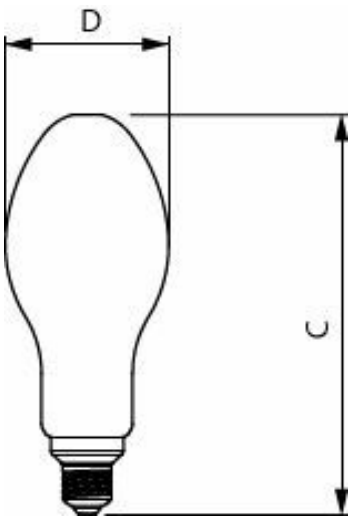
can it be used in closed luminaires	Yes
Wireless Technology	Not applicable

Product Data

Order product name	TForce Core LED HPL 24.5W E27 840 FR
Full product name	TForce Core LED HPL 24.5W E27 840 FR
Full product code	872016933635300
Order code	929003836602

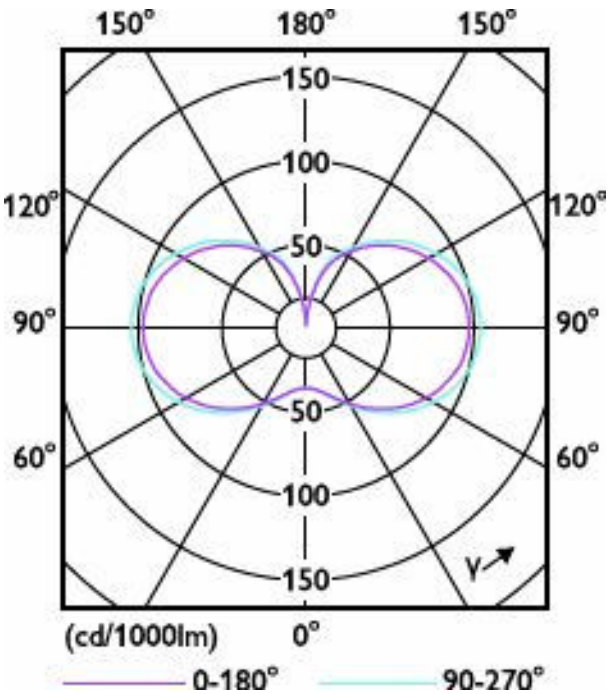
Material Nr. (12NC)	929003836602
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169336353
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169336360

Dimensional drawing

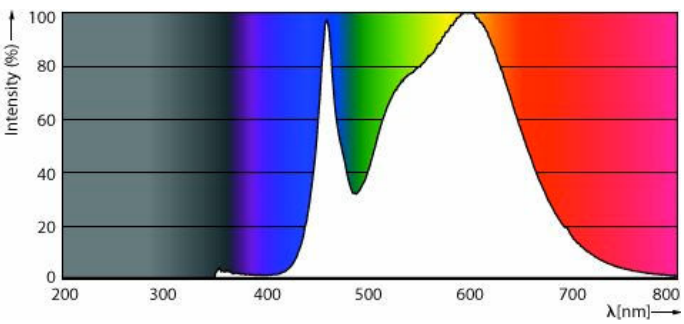


Product	D	C
TForce Core LED HPL 24.5W E27 840 FR	91.5 mm	218 mm

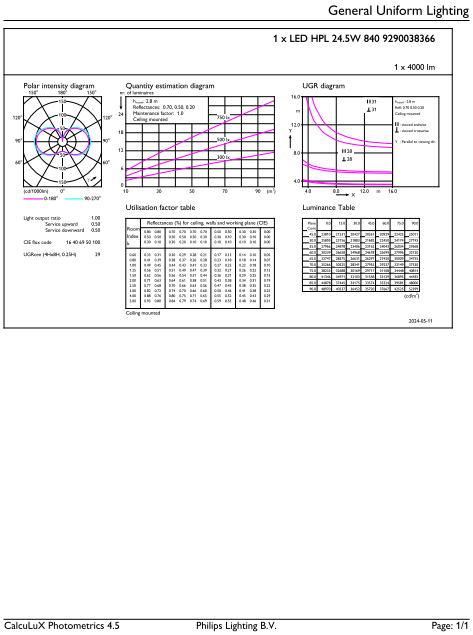
Photometric data



Light Distribution Diagram - TForce Core LED HPL 24.5W E27 840 FR

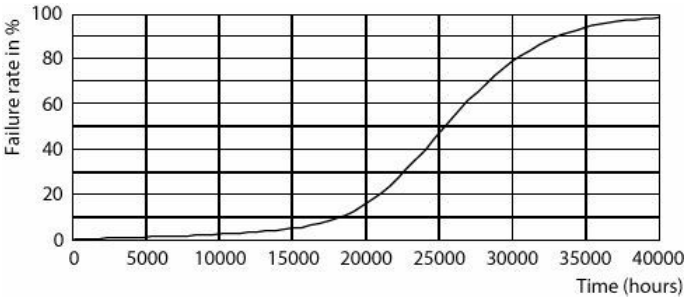


Spectral Power Distribution Colour - TForce Core LED HPL 24.5W E27 840 FR

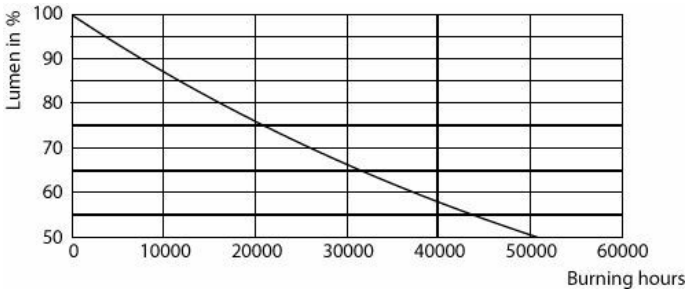


General uniform lighting - TForce Core LED HPL 24.5W E27 840 FR

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - TForce Core LED HPL 24.5W E27 840 FR

Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	EPD-Philips-Corepro-LED-HID-HPL-COMF-7903997-Ref-929003731502-EPD.pdf	Download
Installation Instructions	LED-TForce-Core-LED-HPL-E27-QIG.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	LED-TForce-Core-LED-HPL-24-5W-E27-840-FR-IES.ies	Download

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