



For your everyday lighting jobs, the new LED HPL solution for HID lamp replacement

Trueforce CorePro LED HPL

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.

Benefits

- A similar look and feel to conventional HID SON/HPL lamps
- Perfect fit in HID luminaires with mains connection
- IP65 design suitable for outdoor applications with IP-rated base caps

Features

- High Energy efficient lamps
- Long lifetime – 25,000 hrs
- Surge protection 2KV
- Pleasant white light with CRI 80
- Omnidirectional light around lamp, Frosted glass finish, uniform light distribution
- Additional energy saving by direct mains connection
- IP65 product (IP-rated sockets required for outdoor applications)
- Right size and light distribution for retrofit

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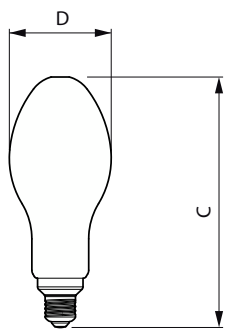
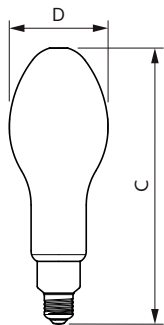
Application

- Road and Street
- Car parks
- Parks and squares

Warnings and Safety

- Installation must always be performed by a qualified electrician or installer. Use the installation guide for instructions.

Dimensional drawing



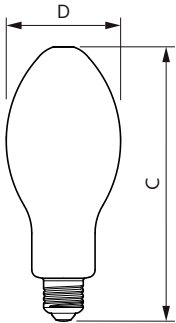
Product	D	C
TForce Core LED HPL 36W E40 830 FR	91.5 mm	234 mm
TForce Core LED HPL 36W E40 840 FR	91.5 mm	234 mm

Product	D	C
TForce Core LED HPL 36W E27 830 FR	91.5 mm	249 mm
TForce Core LED HPL 36W E27 840 FR	91.5 mm	249 mm

Product	D	C
TForce Core LED HPL 24.5W E27 830 FR	91.5 mm	218 mm
TForce Core LED HPL 24.5W E27 840 FR	91.5 mm	218 mm

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Dimensional drawing



Product	D	C
TForce Core LED HPL 13W E27 830 FR	76 mm	183 mm
TForce Core LED HPL 13W E27 840 FR	76 mm	183 mm
TForce Core LED HPL 18W E27 830 FR	76 mm	183 mm
TForce Core LED HPL 18W E27 840 FR	76 mm	183 mm

General Information	
Switching Cycle	50,000
Nominal lifetime	25,000 h
Light Technical	
Beam angle (nom.)	300 degree(s)
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Operating and Electrical	
Input frequency	50 to 60 Hz
Starting time (nom.)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb shape	Oval
Approval and Application	
Ambient temperature range	-30 to +45 °C

General Information

Order Code	Full Product Name	Cap base
929002349702	TForce Core LED HPL 13W E27 830 FR	E27
929002349802	TForce Core LED HPL 13W E27 840 FR	E27
929002349902	TForce Core LED HPL 18W E27 830 FR	E27
929002350002	TForce Core LED HPL 18W E27 840 FR	E27
929002481402	TForce Core LED HPL 36W E40 830 FR	E40
929002481502	TForce Core LED HPL 36W E40 840 FR	E40
929002481202	TForce Core LED HPL 36W E27 830 FR	E27
929002481302	TForce Core LED HPL 36W E27 840 FR	E27
929003836502	TForce Core LED HPL 24.5W E27 830 FR	E27
929003836602	TForce Core LED HPL 24.5W E27 840 FR	E27

Light Technical

Order Code	Full Product Name	Correlated		
		Colour Temperature (Nom)	Colour Code	Luminous Flux
929002349702	TForce Core LED HPL 13W E27 830 FR	3000 K	830	2,000 lm
929002349802	TForce Core LED HPL 13W E27 840 FR	4000 K	840	2,000 lm
929002349902	TForce Core LED HPL 18W E27 830 FR	3000 K	830	3,000 lm
929002350002	TForce Core LED HPL 18W E27 840 FR	4000 K	840	3,000 lm
929002481402	TForce Core LED HPL 36W E40 830 FR	3000 K	830	5,500 lm

Order Code	Full Product Name	Correlated		
		Colour Temperature (Nom)	Colour Code	Luminous Flux
929002481502	TForce Core LED HPL 36W E40 840 FR	4000 K	840	6,000 lm
929002481202	TForce Core LED HPL 36W E27 830 FR	3000 K	830	5,500 lm
929002481302	TForce Core LED HPL 36W E27 840 FR	4000 K	840	6,000 lm
929003836502	TForce Core LED HPL 24.5W E27 830 FR	3000 K	830	4,000 lm

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Order Code	Full Product Name	Correlated Colour		
		Temperature (Nom)	Colour Code	Luminous Flux
929003836602	TForce Core LED HPL 24.5W E27 840 FR	4000 K	840	4,000 lm

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power
			Consumption
929002349702	TForce Core LED HPL 13W E27 830 FR	50 to 60 Hz	13 W
929002349802	TForce Core LED HPL 13W E27 840 FR	50 to 60 Hz	13 W
929002349902	TForce Core LED HPL 18W E27 830 FR	50 to 60 Hz	18 W
929002350002	TForce Core LED HPL 18W E27 840 FR	50 to 60 Hz	18 W
929002481402	TForce Core LED HPL 36W E40 830 FR	50 to 60 Hz	36 W

Order Code	Full Product Name	Line Frequency	Power
			Consumption
929002481502	TForce Core LED HPL 36W E40 840 FR	50 to 60 Hz	36 W
929002481202	TForce Core LED HPL 36W E27 830 FR	50 to 60 Hz	36 W
929002481302	TForce Core LED HPL 36W E27 840 FR	50 to 60 Hz	36 W
929003836502	TForce Core LED HPL 24.5W E27 830 FR	-	24.5 W
929003836602	TForce Core LED HPL 24.5W E27 840 FR	-	24.5 W

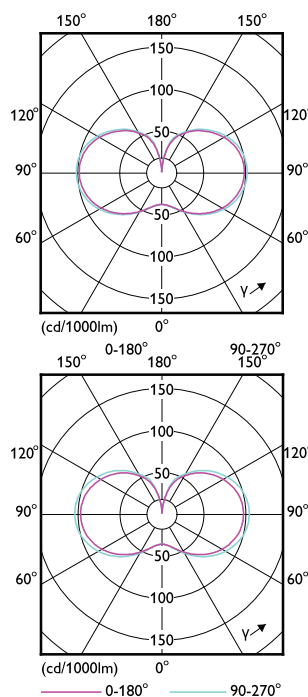
Temperature

Order Code	Full Product Name	T-Case maximum (nom.)
929002349702	TForce Core LED HPL 13W E27 830 FR	38.2 °C
929002349802	TForce Core LED HPL 13W E27 840 FR	38.2 °C
929002349902	TForce Core LED HPL 18W E27 830 FR	43.2 °C
929002350002	TForce Core LED HPL 18W E27 840 FR	43.2 °C
929002481402	TForce Core LED HPL 36W E40 830 FR	43.3 °C

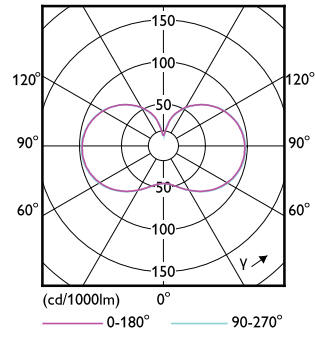
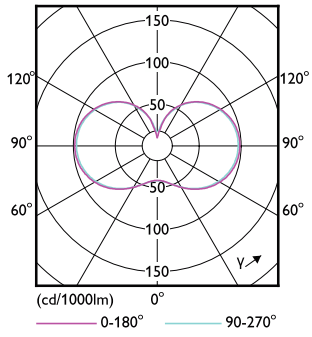
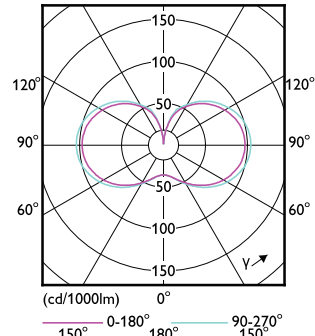
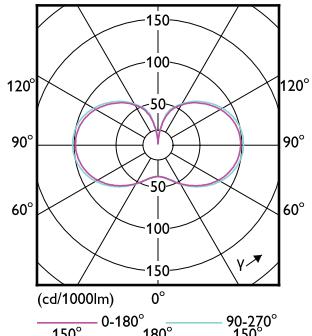
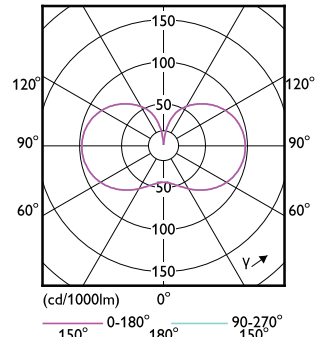
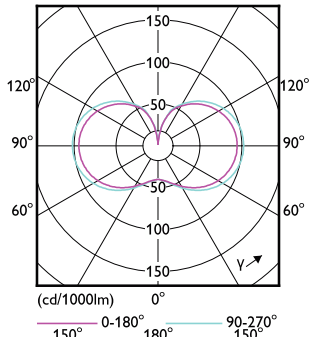
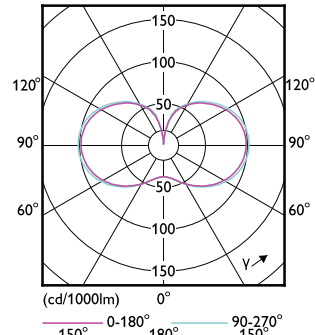
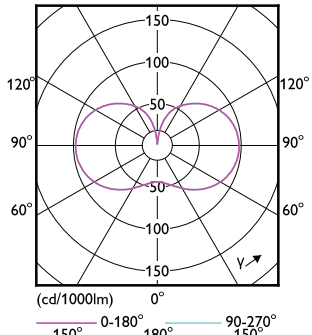
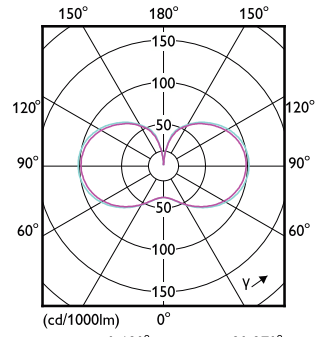
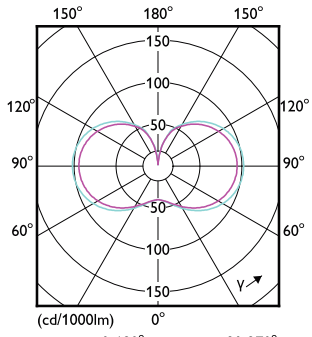
Order Code	Full Product Name	T-Case maximum (nom.)
929002481502	TForce Core LED HPL 36W E40 840 FR	43.3 °C
929002481202	TForce Core LED HPL 36W E27 830 FR	43.3 °C
929002481302	TForce Core LED HPL 36W E27 840 FR	43.3 °C
929003836502	TForce Core LED HPL 24.5W E27 830 FR	44.6 °C
929003836602	TForce Core LED HPL 24.5W E27 840 FR	44.6 °C

Approval and Application

Order Code	Full Product Name	Energy consumption kWh/1,000 hours
929002349702	TForce Core LED HPL 13W E27 830 FR	13 kWh
929002349802	TForce Core LED HPL 13W E27 840 FR	13 kWh
929002349902	TForce Core LED HPL 18W E27 830 FR	18 kWh
929002350002	TForce Core LED HPL 18W E27 840 FR	18 kWh
929002481402	TForce Core LED HPL 36W E40 830 FR	36 kWh
929002481502	TForce Core LED HPL 36W E40 840 FR	36 kWh
929002481202	TForce Core LED HPL 36W E27 830 FR	36 kWh
929002481302	TForce Core LED HPL 36W E27 840 FR	36 kWh
929003836502	TForce Core LED HPL 24.5W E27 830 FR	25 kWh
929003836602	TForce Core LED HPL 24.5W E27 840 FR	25 kWh



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