



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

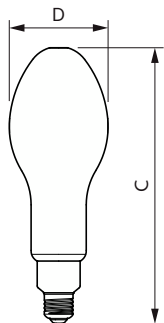
- Installation must always be performed by a qualified electrician or installer. Use the installation guide for instructions.

Versions



LED TForce Core LED HPL 36W E40 FR

Dimensional drawing

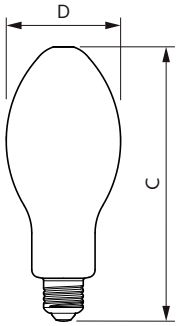


Product	D	C
TForce Core LED HPL 36W E40 830 FR	91.5 mm	234 mm
TForce Core LED HPL 36W E40 840 FR	91.5 mm	234 mm

Product	D	C
TForce Core LED HPL 26W E27 830 FR	90 mm	245 mm
TForce Core LED HPL 26W E27 840 FR	90 mm	245 mm
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

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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	
Nominal lifetime	25,000 h
Light Technical	
Beam angle (nom.)	300 degree(s)
Colour rendering index (CRI)	80
Operating and Electrical	
Input frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting time (nom.)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Approval and Application	
Ambient temperature range	-30 to +45 °C

General Information

Order Code	Full Product Name	Cap base	Switching Cycle
75025100	TForce Core LED HPL 13W E27 830 FR	E27	50,000
75027500	TForce Core LED HPL 13W E27 840 FR	E27	50,000
75029900	TForce Core LED HPL 18W E27 830 FR	E27	50,000
75031200	TForce Core LED HPL 18W E27 840 FR	E27	50,000
29931300	TForce Core LED HPL 36W E40 830 FR	E40	50,000
29933700	TForce Core LED HPL 36W E40 840 FR	E40	50,000
75033600	TForce Core LED HPL 26W E27 830 FR	E27	15,000
75035000	TForce Core LED HPL 26W E27 840 FR	E27	15,000
29927600	TForce Core LED HPL 36W E27 830 FR	E27	50,000
29929000	TForce Core LED HPL 36W E27 840 FR	E27	50,000

Light Technical

Order Code	Full Product Name	Correlated		LLMF at	
		Temperature (Nom)	Colour Code	end of nominal lifetime (nom.)	Luminous Flux
75025100	TForce Core LED HPL 13W E27 830 FR	3000 K	830	70 %	2,000 lm
75027500	TForce Core LED HPL 13W E27 840 FR	4000 K	840	70 %	2,000 lm
75029900	TForce Core LED HPL 18W E27 830 FR	3000 K	830	70 %	3,000 lm

Order Code	Full Product Name	Correlated		LLMF at	
		Temperature (Nom)	Colour Code	end of nominal lifetime (nom.)	Luminous Flux
75031200	TForce Core LED HPL 18W E27 840 FR	4000 K	840	70 %	3,000 lm
29931300	TForce Core LED HPL 36W E40 830 FR	3000 K	830	70 %	5,500 lm
29933700	TForce Core LED HPL 36W E40 840 FR	4000 K	840	70 %	6,000 lm

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Order Code	Full Product Name	Correlated Colour Temperature		LLMF at end of nominal lifetime (nom.)	Luminous Flux
		(Nom)	Code		
75033600	TForce Core LED HPL 26W E27 830 FR	3000 K	830	0.7 %	4,000 lm
75035000	TForce Core LED HPL 26W E27 840 FR	4000 K	840	0.7 %	4,000 lm

Order Code	Full Product Name	Correlated Colour Temperature		LLMF at end of nominal lifetime (nom.)	Luminous Flux
		(Nom)	Code		
29927600	TForce Core LED HPL 36W E27 830 FR	3000 K	830	70 %	5,500 lm
29929000	TForce Core LED HPL 36W E27 840 FR	4000 K	840	70 %	6,000 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
75025100	TForce Core LED HPL 13W E27 830 FR	13 W
75027500	TForce Core LED HPL 13W E27 840 FR	13 W
75029900	TForce Core LED HPL 18W E27 830 FR	18 W
75031200	TForce Core LED HPL 18W E27 840 FR	18 W
29931300	TForce Core LED HPL 36W E40 830 FR	36 W

Order Code	Full Product Name	Power Consumption
29933700	TForce Core LED HPL 36W E40 840 FR	36 W
75033600	TForce Core LED HPL 26W E27 830 FR	26 W
75035000	TForce Core LED HPL 26W E27 840 FR	26 W
29927600	TForce Core LED HPL 36W E27 830 FR	36 W
29929000	TForce Core LED HPL 36W E27 840 FR	36 W

Temperature

Order Code	Full Product Name	T-Case maximum (nom.)
75025100	TForce Core LED HPL 13W E27 830 FR	38.2 °C
75027500	TForce Core LED HPL 13W E27 840 FR	38.2 °C
75029900	TForce Core LED HPL 18W E27 830 FR	43.2 °C
75031200	TForce Core LED HPL 18W E27 840 FR	43.2 °C
29931300	TForce Core LED HPL 36W E40 830 FR	43.3 °C

Order Code	Full Product Name	T-Case maximum (nom.)
29933700	TForce Core LED HPL 36W E40 840 FR	43.3 °C
75033600	TForce Core LED HPL 26W E27 830 FR	54 °C
75035000	TForce Core LED HPL 26W E27 840 FR	54 °C
29927600	TForce Core LED HPL 36W E27 830 FR	43.3 °C
29929000	TForce Core LED HPL 36W E27 840 FR	43.3 °C

Mechanical and Housing

Order Code	Full Product Name	Bulb shape
75025100	TForce Core LED HPL 13W E27 830 FR	ED75
75027500	TForce Core LED HPL 13W E27 840 FR	ED75
75029900	TForce Core LED HPL 18W E27 830 FR	ED75
75031200	TForce Core LED HPL 18W E27 840 FR	ED75
29931300	TForce Core LED HPL 36W E40 830 FR	ED90

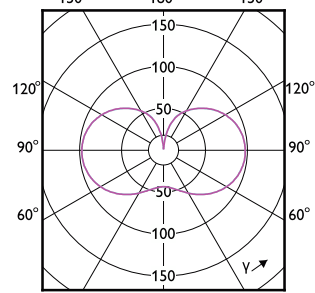
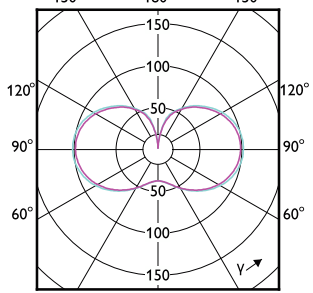
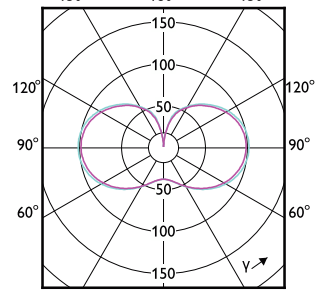
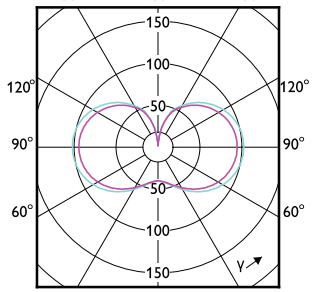
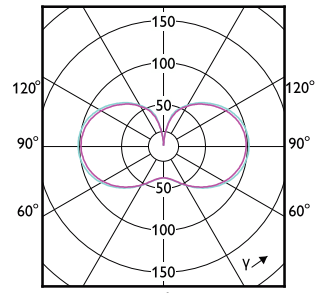
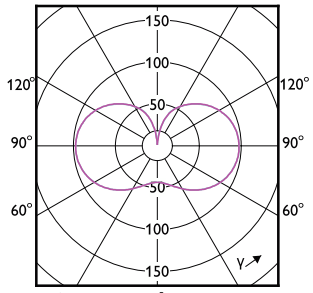
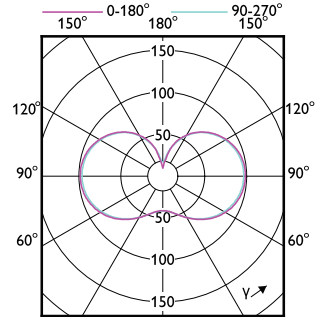
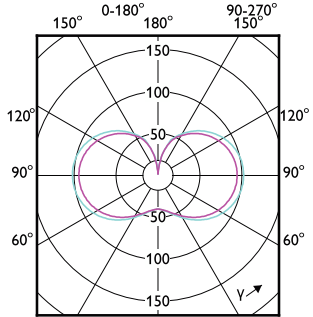
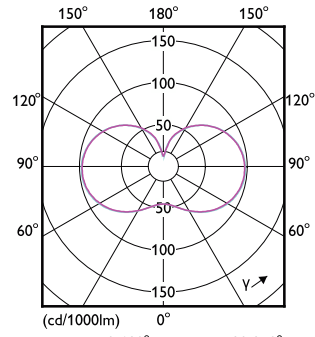
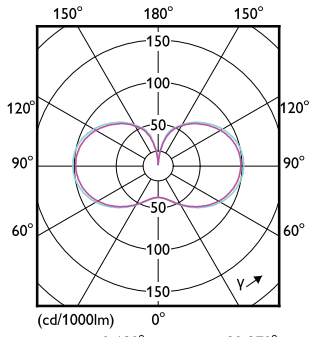
Order Code	Full Product Name	Bulb shape
29933700	TForce Core LED HPL 36W E40 840 FR	ED90
75033600	TForce Core LED HPL 26W E27 830 FR	ED90
75035000	TForce Core LED HPL 26W E27 840 FR	ED90
29927600	TForce Core LED HPL 36W E27 830 FR	ED90
29929000	TForce Core LED HPL 36W E27 840 FR	ED90

Approval and Application

Order Code	Full Product Name	Energy consumption kWh/1,000 hours
75025100	TForce Core LED HPL 13W E27 830 FR	13 kWh
75027500	TForce Core LED HPL 13W E27 840 FR	13 kWh
75029900	TForce Core LED HPL 18W E27 830 FR	18 kWh
75031200	TForce Core LED HPL 18W E27 840 FR	18 kWh
29931300	TForce Core LED HPL 36W E40 830 FR	36 kWh
29933700	TForce Core LED HPL 36W E40 840 FR	36 kWh
75033600	TForce Core LED HPL 26W E27 830 FR	26 kWh
75035000	TForce Core LED HPL 26W E27 840 FR	26 kWh
29927600	TForce Core LED HPL 36W E27 830 FR	36 kWh

Order Code	Full Product Name	Energy consumption kWh/1,000 hours
29929000	TForce Core LED HPL 36W E27 840 FR	36 kWh

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