



# The new LED solution for HID replacement

## Trueforce CorePro LED HPL

The new Philips Trueforce Core LED HPL lamps offer you an easy, short-payback LED solution to replace High Intensity Discharge (HID) lamps. This new generation of products brings all the energy-efficiency and long-lifetime benefits of LED to HID replacement, while providing instant saving with a low initial investment.

Furthermore, they're designed to have the same lamp size and light distribution as other HID lamps, so you will never know the difference. All thanks to our High-Power LED filament technology. Plus, its unique IP65 design means it can be used for outdoor applications as well as indoors.

### Benefits

- Similar look & feel as conventional HID SON/HPL lamps
- Perfect fit in HID luminaires on existing EM ballast or mains connection
- IP65 design suitable for indoor and outdoor applications

### Features

- High-power LED filament technology
- Frosted glass finish, uniform light distribution
- Compact size
- IP65 design
- 2KV surge protection

### Application

- Public urban - streets, parks, squares
- Public road - streets, public area
- Industrial buildings & warehouses

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## Versions



E27 ED 75mm Frosted

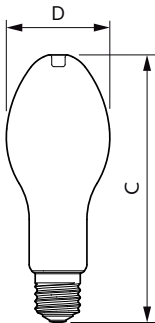
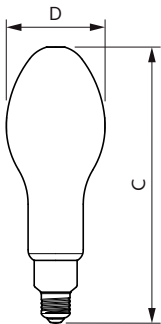
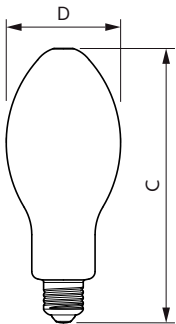


E27 ED 90mm Frosted



E40 ED90. Frosted

## Dimensional drawing



Product	D	C
TForce Core LED HPL 18W E27 840 FR	75 mm	180 mm
TForce Core LED HPL 18W E27 830 FR	75 mm	180 mm
TForce Core LED HPL 13W E27 840 FR	75 mm	180 mm
TForce Core LED HPL 13W E27 830 FR	75 mm	180 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 840 FR	90 mm	245 mm
TForce Core LED HPL 36W E27 830 FR	90 mm	245 mm

Product	D	C
TForce Core LED HPL 36W E40 840 FR	90 mm	230 mm
TForce Core LED HPL 36W E40 830 FR	90 mm	230 mm

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## Approval and Application

Energy Efficiency Label (EEL)	A++
<b>Controls and Dimming</b>	
Dimmable	No
<b>Operating and Electrical</b>	
Input Frequency	50 to 60 Hz
Voltage (Nom)	220-240 V
Starting Time (Nom)	0.5 s
<b>General Information</b>	
Nominal Lifetime (Nom)	25000 h
Switching Cycle	15000X
<b>Light Technical</b>	
Beam Angle (Nom)	300 °
Color Rendering Index (Nom)	80
<b>Mechanical and Housing</b>	
Bulb Finish	Frosted

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
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
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
29929000	TForce Core LED HPL 36W E27 840 FR	36 kWh
29931300	TForce Core LED HPL 36W E40 830 FR	36 kWh
29933700	TForce Core LED HPL 36W E40 840 FR	36 kWh

## Operating and Electrical

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
75025100	TForce Core LED HPL 13W E27 830 FR	50 W	13 W
75027500	TForce Core LED HPL 13W E27 840 FR	50 W	13 W
75029900	TForce Core LED HPL 18W E27 830 FR	80 W	18 W
75031200	TForce Core LED HPL 18W E27 840 FR	80 W	18 W
75033600	TForce Core LED HPL 26W E27 830 FR	125 W	26 W

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
75035000	TForce Core LED HPL 26W E27 840 FR	125 W	26 W
29927600	TForce Core LED HPL 36W E27 830 FR	125 W	36 W
29929000	TForce Core LED HPL 36W E27 840 FR	125 W	36 W
29931300	TForce Core LED HPL 36W E40 830 FR	125 W	36 W
29933700	TForce Core LED HPL 36W E40 840 FR	125 W	36 W

## General Information

Order Code	Full Product Name	Cap-Base
75025100	TForce Core LED HPL 13W E27 830 FR	E27
75027500	TForce Core LED HPL 13W E27 840 FR	E27
75029900	TForce Core LED HPL 18W E27 830 FR	E27
75031200	TForce Core LED HPL 18W E27 840 FR	E27
75033600	TForce Core LED HPL 26W E27 830 FR	E27

Order Code	Full Product Name	Cap-Base
75035000	TForce Core LED HPL 26W E27 840 FR	E27
29927600	TForce Core LED HPL 36W E27 830 FR	E27
29929000	TForce Core LED HPL 36W E27 840 FR	E27
29931300	TForce Core LED HPL 36W E40 830 FR	E40
29933700	TForce Core LED HPL 36W E40 840 FR	E40

## Light Technical (1/2)

# Trueforce CorePro LED HPL

Order Code	Full Product Name	Correlated Color		Llmf At End Of Nominal	
		Color Code	Temperature (Nom)	Lifetime (Nom)	Luminous Flux (Nom)
75025100	TForce Core LED HPL 13W E27 830 FR	830	3000 K	0.7 %	2000 lm
75027500	TForce Core LED HPL 13W E27 840 FR	840	4000 K	0.7 %	2000 lm
75029900	TForce Core LED HPL 18W E27 830 FR	830	3000 K	0.7 %	3000 lm
75031200	TForce Core LED HPL 18W E27 840 FR	840	4000 K	0.7 %	3000 lm
75033600	TForce Core LED HPL 26W E27 830 FR	830	3000 K	0.7 %	4000 lm

Order Code	Full Product Name	Correlated Color		Llmf At End Of Nominal	
		Color Code	Temperature (Nom)	Lifetime (Nom)	Luminous Flux (Nom)
75035000	TForce Core LED HPL 26W E27 840 FR	840	4000 K	0.7 %	4000 lm
29927600	TForce Core LED HPL 36W E27 830 FR	830	3000 K	70 %	5500 lm
29929000	TForce Core LED HPL 36W E27 840 FR	840	4000 K	70 %	6000 lm
29931300	TForce Core LED HPL 36W E40 830 FR	830	3000 K	70 %	5500 lm
29933700	TForce Core LED HPL 36W E40 840 FR	840	4000 K	70 %	6000 lm

## Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
75025100	TForce Core LED HPL 13W E27 830 FR	2000 lm
75027500	TForce Core LED HPL 13W E27 840 FR	2000 lm
75029900	TForce Core LED HPL 18W E27 830 FR	3000 lm
75031200	TForce Core LED HPL 18W E27 840 FR	3000 lm
75033600	TForce Core LED HPL 26W E27 830 FR	4000 lm

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
75035000	TForce Core LED HPL 26W E27 840 FR	4000 lm
29927600	TForce Core LED HPL 36W E27 830 FR	-
29929000	TForce Core LED HPL 36W E27 840 FR	-
29931300	TForce Core LED HPL 36W E40 830 FR	-
29933700	TForce Core LED HPL 36W E40 840 FR	-

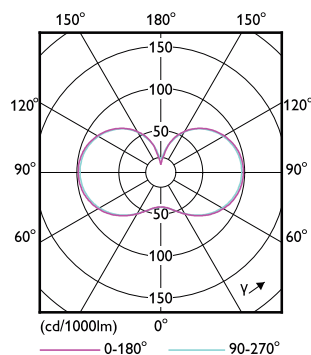
## Mechanical and Housing

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
75033600	TForce Core LED HPL 26W E27 830 FR	ED90

Order Code	Full Product Name	Bulb Shape
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.
29931300	TForce Core LED HPL 36W E40 830 FR	ED90.
29933700	TForce Core LED HPL 36W E40 840 FR	ED90.

## Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
75025100	TForce Core LED HPL 13W E27 830 FR	62 °C
75027500	TForce Core LED HPL 13W E27 840 FR	62 °C
75029900	TForce Core LED HPL 18W E27 830 FR	70 °C
75031200	TForce Core LED HPL 18W E27 840 FR	70 °C
75033600	TForce Core LED HPL 26W E27 830 FR	74 °C
75035000	TForce Core LED HPL 26W E27 840 FR	74 °C
29927600	TForce Core LED HPL 36W E27 830 FR	60 °C
29929000	TForce Core LED HPL 36W E27 840 FR	60 °C
29931300	TForce Core LED HPL 36W E40 830 FR	60 °C
29933700	TForce Core LED HPL 36W E40 840 FR	60 °C



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