



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

Corepro - LED HID 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
- Parking Garages
- Parks and Plazas

Warnings and Safety

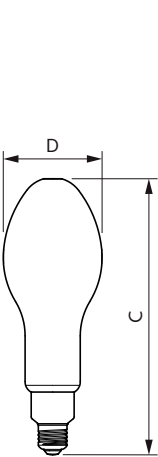
- Installation should always be performed by a qualified electrician or installer. Use the installation guide for instructions.

Versions



LEDTForce ED90 E27

Dimensional drawing

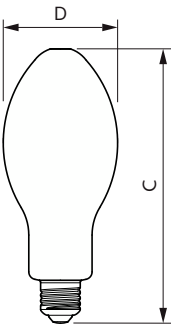


Product	D	C
TForce Core LED HPL 36W E40 830 FR	91.5 mm	234 mm
TForce Core LED HPL 36W E40 840 FR	91.5 mm	234 mm

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 hour(s)
Light Technical	
Beam Angle (Nom)	300 degree(s)
Color 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	
Bulb Finish	Frosted
Approval and Application	
Ambient temperature range	-30 to +45 °C

General Information

Order Code	Full Product Name	Cap-Base	Switching Cycle
929002349702	TForce Core LED HPL 13W E27 830 FR	E27	50,000
929002349802	TForce Core LED HPL 13W E27 840 FR	E27	50,000
929002349902	TForce Core LED HPL 18W E27 830 FR	E27	50,000
929002350002	TForce Core LED HPL 18W E27 840 FR	E27	50,000
929002481402	TForce Core LED HPL 36W E40 830 FR	E40	50,000
929002481502	TForce Core LED HPL 36W E40 840 FR	E40	50,000
929002350102	TForce Core LED HPL 26W E27 830 FR	E27	15,000
929002350202	TForce Core LED HPL 26W E27 840 FR	E27	15,000
929002481202	TForce Core LED HPL 36W E27 830 FR	E27	50,000
929002481302	TForce Core LED HPL 36W E27 840 FR	E27	50,000

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Code	LLMF At End Of Nominal Lifetime (Nom)	Luminous Flux
929002349702	TForce Core LED HPL 13W E27 830 FR	3000 K	830	70 %	2,000 lm
929002349802	TForce Core LED HPL 13W E27 840 FR	4000 K	840	70 %	2,000 lm
929002349902	TForce Core LED HPL 18W E27 830 FR	3000 K	830	70 %	3,000 lm

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Code	LLMF At End Of Nominal Lifetime (Nom)	Luminous Flux
929002350002	TForce Core LED HPL 18W E27 840 FR	4000 K	840	70 %	3,000 lm
929002481402	TForce Core LED HPL 36W E40 830 FR	3000 K	830	70 %	5,500 lm
929002481502	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 Color Temperature (Nom)	Color Code	LLMF At End Of Nominal Lifetime (Nom)	Luminous Flux
929002350102	TForce Core LED HPL 26W E27 830 FR	3000 K	830	0.7 %	4,000 lm
929002350202	TForce Core LED HPL 26W E27 840 FR	4000 K	840	0.7 %	4,000 lm

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Code	LLMF At End Of Nominal Lifetime (Nom)	Luminous Flux
929002481202	TForce Core LED HPL 36W E27 830 FR	3000 K	830	70 %	5,500 lm
929002481302	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
929002349702	TForce Core LED HPL 13W E27 830 FR	13 W
929002349802	TForce Core LED HPL 13W E27 840 FR	13 W
929002349902	TForce Core LED HPL 18W E27 830 FR	18 W
929002350002	TForce Core LED HPL 18W E27 840 FR	18 W
929002481402	TForce Core LED HPL 36W E40 830 FR	36 W

Order Code	Full Product Name	Power Consumption
929002481502	TForce Core LED HPL 36W E40 840 FR	36 W
929002350102	TForce Core LED HPL 26W E27 830 FR	26 W
929002350202	TForce Core LED HPL 26W E27 840 FR	26 W
929002481202	TForce Core LED HPL 36W E27 830 FR	36 W
929002481302	TForce Core LED HPL 36W E27 840 FR	36 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
929002350102	TForce Core LED HPL 26W E27 830 FR	54 °C
929002350202	TForce Core LED HPL 26W E27 840 FR	54 °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

Mechanical and Housing

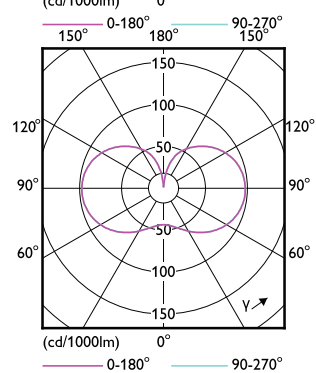
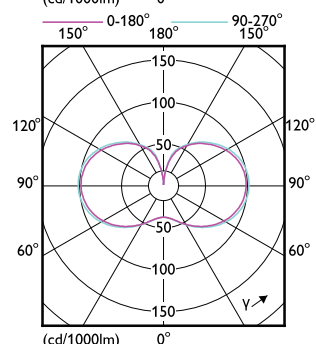
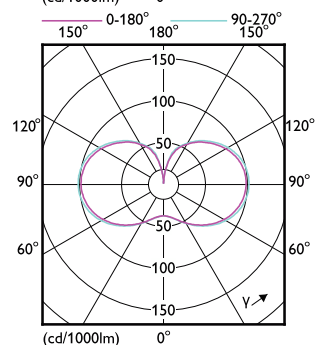
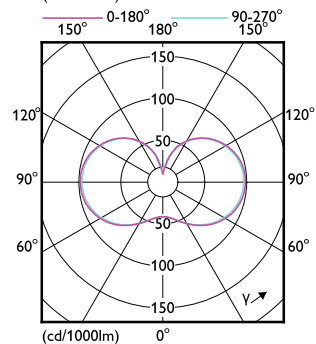
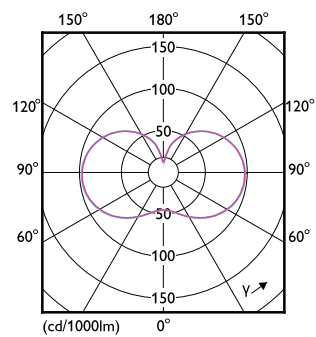
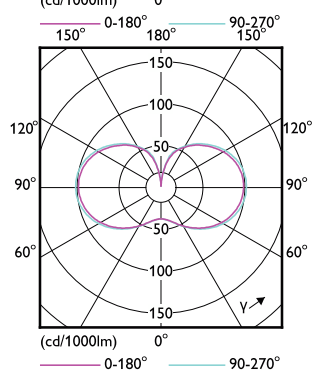
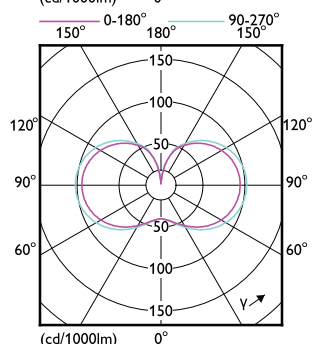
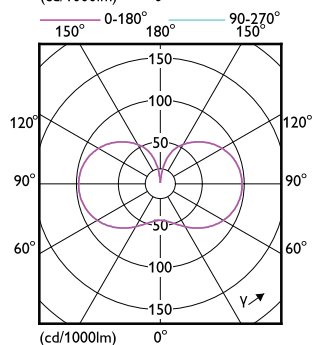
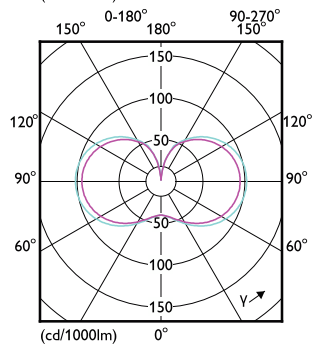
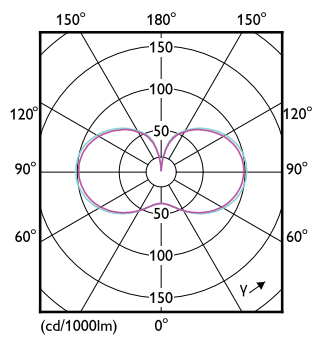
Order Code	Full Product Name	Bulb Shape
929002349702	TForce Core LED HPL 13W E27 830 FR	ED75
929002349802	TForce Core LED HPL 13W E27 840 FR	ED75
929002349902	TForce Core LED HPL 18W E27 830 FR	ED75
929002350002	TForce Core LED HPL 18W E27 840 FR	ED75
929002481402	TForce Core LED HPL 36W E40 830 FR	ED90

Order Code	Full Product Name	Bulb Shape
929002481502	TForce Core LED HPL 36W E40 840 FR	ED90
929002350102	TForce Core LED HPL 26W E27 830 FR	ED90
929002350202	TForce Core LED HPL 26W E27 840 FR	ED90
929002481202	TForce Core LED HPL 36W E27 830 FR	ED90
929002481302	TForce Core LED HPL 36W E27 840 FR	ED90

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
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
929002350102	TForce Core LED HPL 26W E27 830 FR	26 kWh
929002350202	TForce Core LED HPL 26W E27 840 FR	26 kWh
929002481202	TForce Core LED HPL 36W E27 830 FR	36 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929002481302	TForce Core LED HPL 36W E27 840 FR	36 kWh



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