



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

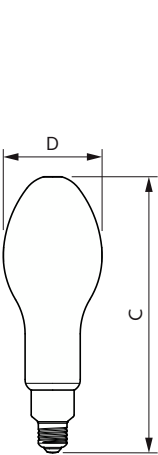
- Installation should always be performed by a qualified electrician or installer. Use the installation guide for instructions.

Versions



LED TForce Core LED HPL 36W E40 FR

Dimensional drawing

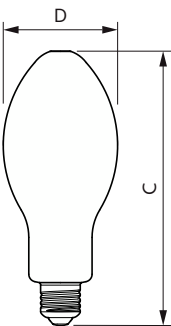
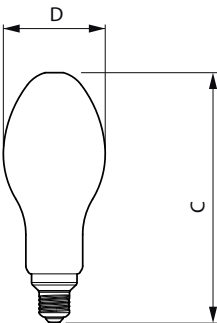


Product	D	C
TForce Core LED HPL 36W E40 827 FR	91.5 mm	234 mm
TForce Core LED HPL 36W E40 830 FR	91.5 mm	234 mm
TForce Core LED HPL 36W E40 840 FR	91.5 mm	234 mm

Product	D	C
TForce Core LED HPL 26W E27 827 FR	91.5 mm	248 mm
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 827 FR	91.5 mm	249 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 24.5W E27 827 FR	91.5 mm	218 mm
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

Product	D	C
TForce Core LED HPL 13W E27 827 FR	76 mm	183 mm
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 827 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	
Color rendering index (CRI)	80
Operating and Electrical	
Input 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
929003731102	TForce Core LED HPL 13W E27 827 FR	E27	50,000

Order Code	Full Product Name	Cap-Base	Switching Cycle
929003731202	TForce Core LED HPL 18W E27 827 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
929003731502	TForce Core LED HPL 36W E40 827 FR	E40	50,000
929002350102	TForce Core LED HPL 26W E27 830 FR	E27	15,000

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Order Code	Full Product Name	Cap-Base	Switching Cycle
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
929003731302	TForce Core LED HPL 26W E27 827 FR	E27	50,000

Order Code	Full Product Name	Cap-Base	Switching Cycle
929003731402	TForce Core LED HPL 36W E27 827 FR	E27	50,000
929003836402	TForce Core LED HPL 24.5W E27 827 FR	E27	50,000
929003836502	TForce Core LED HPL 24.5W E27 830 FR	E27	50,000
929003836602	TForce Core LED HPL 24.5W E27 840 FR	E27	50,000

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	LLMF At End Of Nominal Lifetime		
				Color Code	(Nom)	Luminous Flux
929002349702	TForce Core LED HPL 13W E27 830 FR	300 degree(s)	3000 K	830	70 %	2,000 lm
929002349802	TForce Core LED HPL 13W E27 840 FR	300 degree(s)	4000 K	840	70 %	2,000 lm
929002349902	TForce Core LED HPL 18W E27 830 FR	300 degree(s)	3000 K	830	70 %	3,000 lm
929002350002	TForce Core LED HPL 18W E27 840 FR	300 degree(s)	4000 K	840	70 %	3,000 lm
929003731102	TForce Core LED HPL 13W E27 827 FR	330 degree(s)	2700 K	827	70 %	1,800 lm
929003731202	TForce Core LED HPL 18W E27 827 FR	330 degree(s)	2700 K	827	70 %	2,600 lm
929002481402	TForce Core LED HPL 36W E40 830 FR	300 degree(s)	3000 K	830	70 %	5,500 lm
929002481502	TForce Core LED HPL 36W E40 840 FR	300 degree(s)	4000 K	840	70 %	6,000 lm
929003731502	TForce Core LED HPL 36W E40 827 FR	330 degree(s)	2700 K	827	70 %	5,300 lm
929002350102	TForce Core LED HPL 26W E27 830 FR	300 degree(s)	3000 K	830	0.7 %	4,000 lm
929002350202	TForce Core LED HPL 26W E27 840 FR	300 degree(s)	4000 K	840	0.7 %	4,000 lm
929002481202	TForce Core LED HPL 36W E27 830 FR	300 degree(s)	3000 K	830	70 %	5,500 lm
929002481302	TForce Core LED HPL 36W E27 840 FR	300 degree(s)	4000 K	840	70 %	6,000 lm
929003731302	TForce Core LED HPL 26W E27 827 FR	330 degree(s)	2700 K	827	70 %	3,600 lm
929003731402	TForce Core LED HPL 36W E27 827 FR	330 degree(s)	2700 K	827	70 %	5,300 lm
929003836402	TForce Core LED HPL 24.5W E27 827 FR	300 degree(s)	2700 K	827	70 %	3,600 lm
929003836502	TForce Core LED HPL 24.5W E27 830 FR	300 degree(s)	3000 K	830	70 %	4,000 lm
929003836602	TForce Core LED HPL 24.5W E27 840 FR	300 degree(s)	4000 K	840	70 %	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
929003731102	TForce Core LED HPL 13W E27 827 FR	-	13 W
929003731202	TForce Core LED HPL 18W E27 827 FR	-	18 W
929002481402	TForce Core LED HPL 36W E40 830 FR	50 to 60 Hz	36 W
929002481502	TForce Core LED HPL 36W E40 840 FR	50 to 60 Hz	36 W
929003731502	TForce Core LED HPL 36W E40 827 FR	-	36 W

Order Code	Full Product Name	Line Frequency	Power
			Consumption
929002350102	TForce Core LED HPL 26W E27 830 FR	50 to 60 Hz	26 W
929002350202	TForce Core LED HPL 26W E27 840 FR	50 to 60 Hz	26 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
929003731302	TForce Core LED HPL 26W E27 827 FR	-	26 W
929003731402	TForce Core LED HPL 36W E27 827 FR	-	36 W
929003836402	TForce Core LED HPL 24.5W E27 827 FR	-	24.5 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

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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
929003731102	TForce Core LED HPL 13W E27 827 FR	38.2 °C
929003731202	TForce Core LED HPL 18W E27 827 FR	43.2 °C
929002481402	TForce Core LED HPL 36W E40 830 FR	43.3 °C
929002481502	TForce Core LED HPL 36W E40 840 FR	43.3 °C
929003731502	TForce Core LED HPL 36W E40 827 FR	48.7 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
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
929003731302	TForce Core LED HPL 26W E27 827 FR	54 °C
929003731402	TForce Core LED HPL 36W E27 827 FR	48.7 °C
929003836402	TForce Core LED HPL 24.5W E27 827 FR	44.6 °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

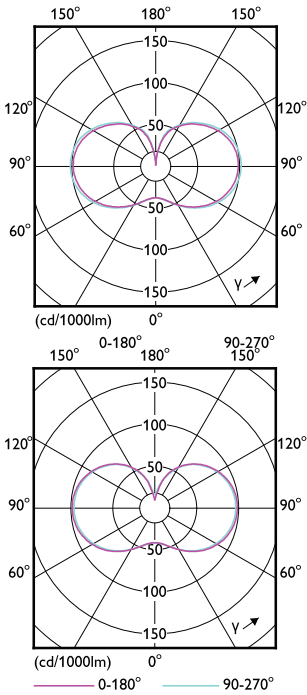
Mechanical and Housing

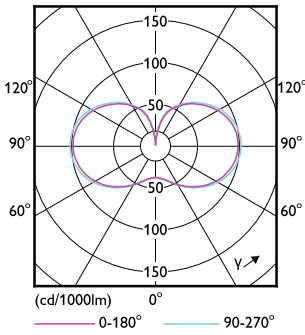
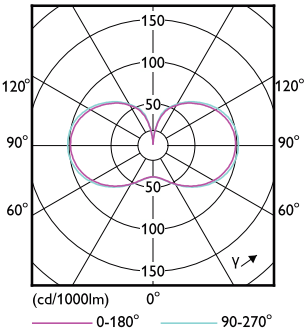
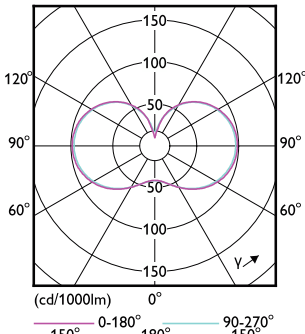
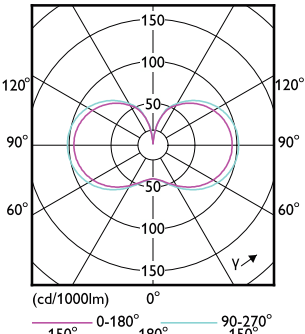
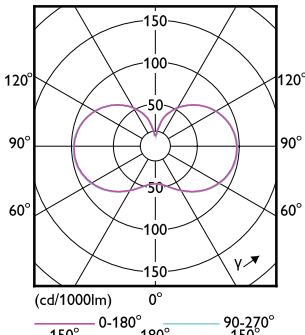
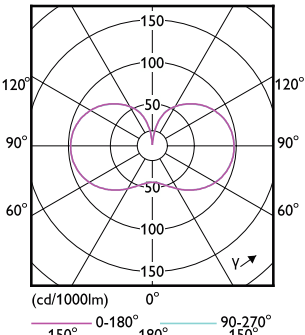
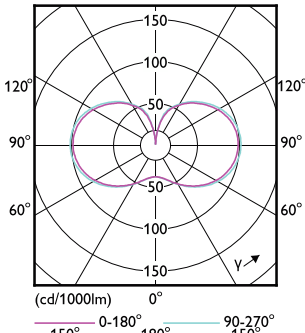
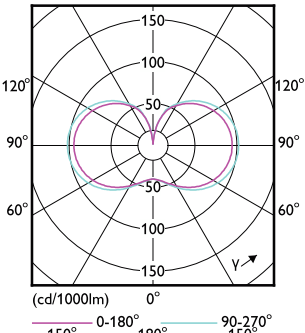
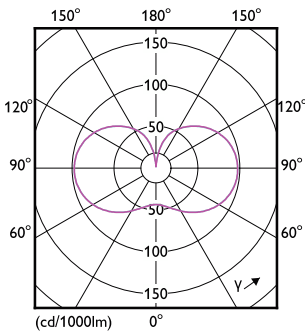
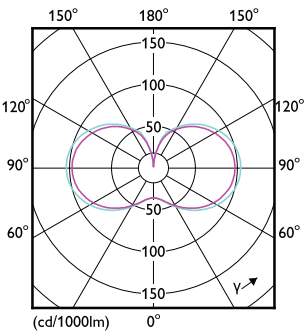
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929002349702	TForce Core LED HPL 13W E27 830 FR	ED75
929002349802	TForce Core LED HPL 13W E27 840 FR	ED75
929002349902	TForce Core LED HPL 18W E27 830 FR	ED75
929002350002	TForce Core LED HPL 18W E27 840 FR	ED75
929003731102	TForce Core LED HPL 13W E27 827 FR	ED75
929003731202	TForce Core LED HPL 18W E27 827 FR	ED75
929002481402	TForce Core LED HPL 36W E40 830 FR	ED90
929002481502	TForce Core LED HPL 36W E40 840 FR	ED90
929003731502	TForce Core LED HPL 36W E40 827 FR	ED90

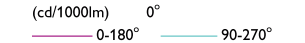
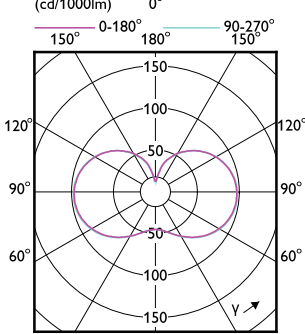
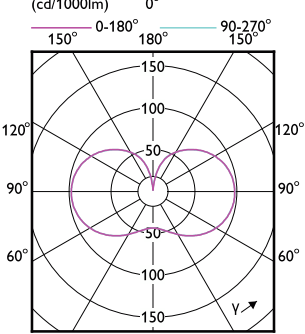
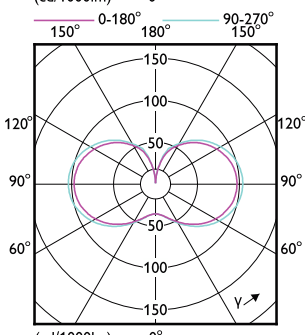
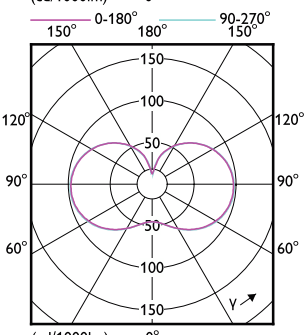
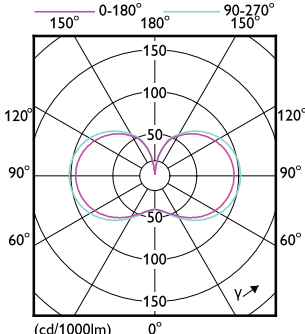
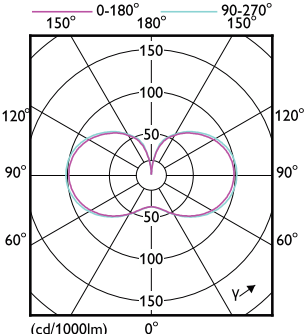
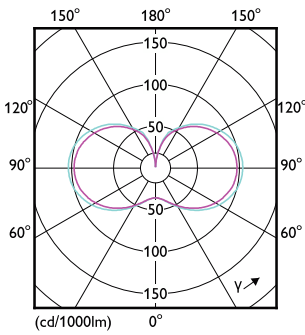
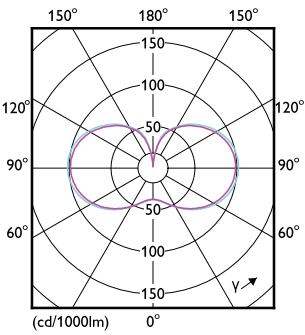
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929002350202	TForce Core LED HPL 26W E27 840 FR	ED90
929002481202	TForce Core LED HPL 36W E27 830 FR	ED90
929002481302	TForce Core LED HPL 36W E27 840 FR	ED90
929003731302	TForce Core LED HPL 26W E27 827 FR	ED90
929003731402	TForce Core LED HPL 36W E27 827 FR	ED90
929003836402	TForce Core LED HPL 24.5W E27 827 FR	ED90
929003836502	TForce Core LED HPL 24.5W E27 830 FR	ED90
929003836602	TForce Core LED HPL 24.5W 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
929003731102	TForce Core LED HPL 13W E27 827 FR	13 kWh
929003731202	TForce Core LED HPL 18W E27 827 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
929003731502	TForce Core LED HPL 36W E40 827 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
929002481302	TForce Core LED HPL 36W E27 840 FR	36 kWh
929003731302	TForce Core LED HPL 26W E27 827 FR	26 kWh
929003731402	TForce Core LED HPL 36W E27 827 FR	36 kWh
929003836402	TForce Core LED HPL 24.5W E27 827 FR	25 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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