



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

Corepro - LED HID HPL

Application

- Road and Street
- Parking Garages
- Parks and Plazas

Warnings and Safety

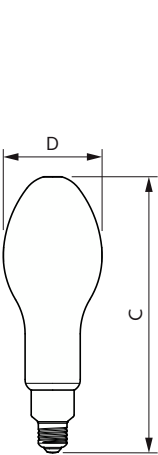
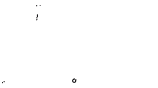
- Installation should always be performed by a qualified electrician or installer. Use the installation guide for instructions.

Versions



LEDTForce ED90 E27

Dimensional drawing

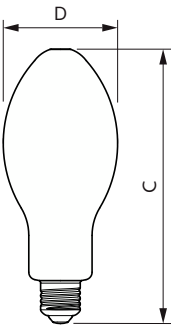
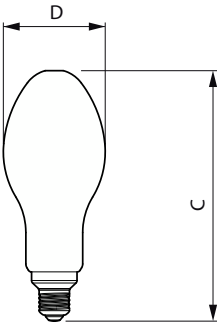


Product	D	C
TForce Core LED HPL 36W E40 827 FR	91.5 mm	234 mm
TForce Core LED HPL 36W E40 830 FR	91.5 mm	234 mm
TForce Core LED HPL 36W E40 840 FR	91.5 mm	234 mm

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

Corepro - LED HID HPL

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
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
26777000	TForce Core LED HPL 13W E27 827 FR	E27	50,000

Order Code	Full Product Name	Cap-Base	Switching Cycle
26779400	TForce Core LED HPL 18W E27 827 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
26785500	TForce Core LED HPL 36W E40 827 FR	E40	50,000
75033600	TForce Core LED HPL 26W E27 830 FR	E27	15,000

Corepro - LED HID HPL

Order Code	Full Product Name	Cap-Base	Switching Cycle
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
26781700	TForce Core LED HPL 26W E27 827 FR	E27	50,000

Order Code	Full Product Name	Cap-Base	Switching Cycle
26783100	TForce Core LED HPL 36W E27 827 FR	E27	50,000
33631500	TForce Core LED HPL 24.5W E27 827 FR	E27	50,000
33633900	TForce Core LED HPL 24.5W E27 830 FR	E27	50,000
33635300	TForce Core LED HPL 24.5W E27 840 FR	E27	50,000

Light Technical

LLMF At End Of Nominal Lifetime						
Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color Code	(Nom)	Luminous Flux
75025100	TForce Core LED HPL 13W E27 830 FR	300 degree(s)	3000 K	830	70 %	2,000 lm
75027500	TForce Core LED HPL 13W E27 840 FR	300 degree(s)	4000 K	840	70 %	2,000 lm
75029900	TForce Core LED HPL 18W E27 830 FR	300 degree(s)	3000 K	830	70 %	3,000 lm
75031200	TForce Core LED HPL 18W E27 840 FR	300 degree(s)	4000 K	840	70 %	3,000 lm
26777000	TForce Core LED HPL 13W E27 827 FR	330 degree(s)	2700 K	827	70 %	1,800 lm
26779400	TForce Core LED HPL 18W E27 827 FR	330 degree(s)	2700 K	827	70 %	2,600 lm
29931300	TForce Core LED HPL 36W E40 830 FR	300 degree(s)	3000 K	830	70 %	5,500 lm
29933700	TForce Core LED HPL 36W E40 840 FR	300 degree(s)	4000 K	840	70 %	6,000 lm
26785500	TForce Core LED HPL 36W E40 827 FR	330 degree(s)	2700 K	827	70 %	5,300 lm
75033600	TForce Core LED HPL 26W E27 830 FR	300 degree(s)	3000 K	830	0.7 %	4,000 lm
75035000	TForce Core LED HPL 26W E27 840 FR	300 degree(s)	4000 K	840	0.7 %	4,000 lm
29927600	TForce Core LED HPL 36W E27 830 FR	300 degree(s)	3000 K	830	70 %	5,500 lm
29929000	TForce Core LED HPL 36W E27 840 FR	300 degree(s)	4000 K	840	70 %	6,000 lm
26781700	TForce Core LED HPL 26W E27 827 FR	330 degree(s)	2700 K	827	70 %	3,600 lm
26783100	TForce Core LED HPL 36W E27 827 FR	330 degree(s)	2700 K	827	70 %	5,300 lm
33631500	TForce Core LED HPL 24.5W E27 827 FR	300 degree(s)	2700 K	827	70 %	3,600 lm
33633900	TForce Core LED HPL 24.5W E27 830 FR	300 degree(s)	3000 K	830	70 %	4,000 lm
33635300	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
75025100	TForce Core LED HPL 13W E27 830 FR	50 to 60 Hz	13 W
75027500	TForce Core LED HPL 13W E27 840 FR	50 to 60 Hz	13 W
75029900	TForce Core LED HPL 18W E27 830 FR	50 to 60 Hz	18 W
75031200	TForce Core LED HPL 18W E27 840 FR	50 to 60 Hz	18 W
26777000	TForce Core LED HPL 13W E27 827 FR	-	13 W
26779400	TForce Core LED HPL 18W E27 827 FR	-	18 W
29931300	TForce Core LED HPL 36W E40 830 FR	50 to 60 Hz	36 W
29933700	TForce Core LED HPL 36W E40 840 FR	50 to 60 Hz	36 W
26785500	TForce Core LED HPL 36W E40 827 FR	-	36 W

Order Code	Full Product Name	Line Frequency	Power Consumption
75033600	TForce Core LED HPL 26W E27 830 FR	50 to 60 Hz	26 W
75035000	TForce Core LED HPL 26W E27 840 FR	50 to 60 Hz	26 W
29927600	TForce Core LED HPL 36W E27 830 FR	50 to 60 Hz	36 W
29929000	TForce Core LED HPL 36W E27 840 FR	50 to 60 Hz	36 W
26781700	TForce Core LED HPL 26W E27 827 FR	-	26 W
26783100	TForce Core LED HPL 36W E27 827 FR	-	36 W
33631500	TForce Core LED HPL 24.5W E27 827 FR	-	24.5 W
33633900	TForce Core LED HPL 24.5W E27 830 FR	-	24.5 W
33635300	TForce Core LED HPL 24.5W E27 840 FR	-	24.5 W

Temperature

Corepro - LED HID HPL

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
26777000	TForce Core LED HPL 13W E27 827 FR	38.2 °C
26779400	TForce Core LED HPL 18W E27 827 FR	43.2 °C
29931300	TForce Core LED HPL 36W E40 830 FR	43.3 °C
29933700	TForce Core LED HPL 36W E40 840 FR	43.3 °C
26785500	TForce Core LED HPL 36W E40 827 FR	48.7 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
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
26781700	TForce Core LED HPL 26W E27 827 FR	54 °C
26783100	TForce Core LED HPL 36W E27 827 FR	48.7 °C
33631500	TForce Core LED HPL 24.5W E27 827 FR	44.6 °C
33633900	TForce Core LED HPL 24.5W E27 830 FR	44.6 °C
33635300	TForce Core LED HPL 24.5W E27 840 FR	44.6 °C

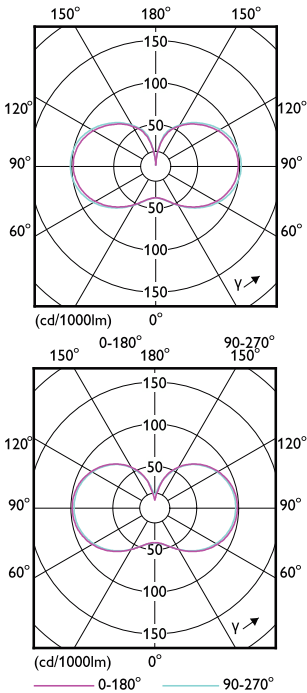
Mechanical and Housing

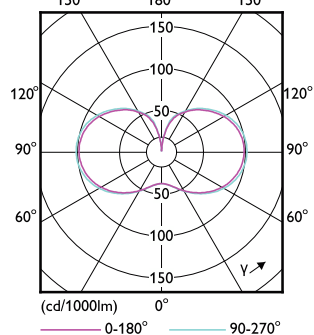
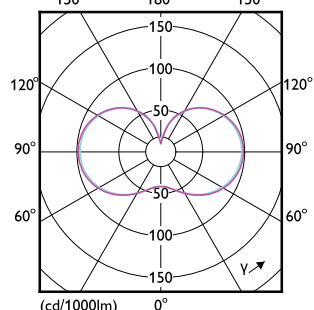
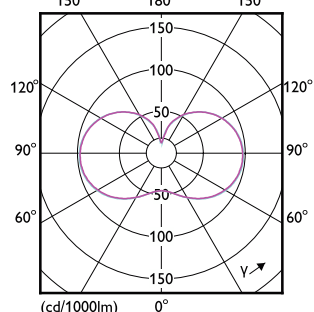
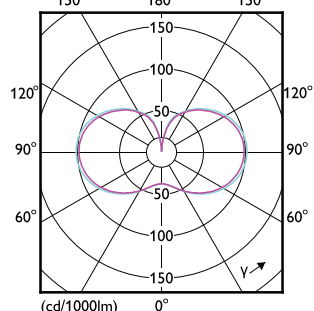
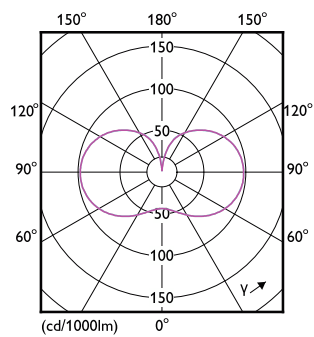
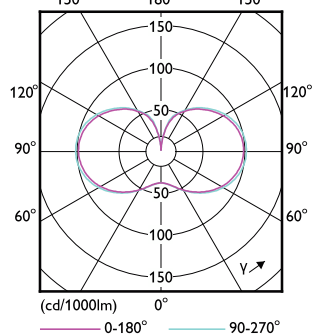
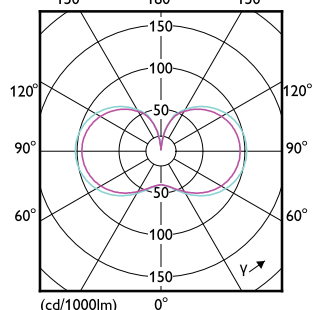
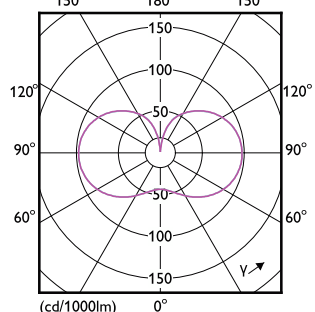
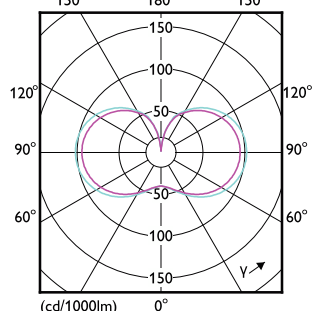
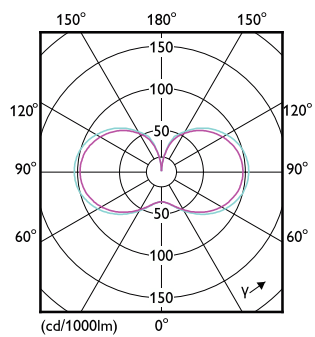
Order Code	Full Product Name	Bulb Shape
75025100	TForce Core LED HPL 13W E27 830 FR	ED75
75027500	TForce Core LED HPL 13W E27 840 FR	ED75
75029900	TForce Core LED HPL 18W E27 830 FR	ED75
75031200	TForce Core LED HPL 18W E27 840 FR	ED75
26777000	TForce Core LED HPL 13W E27 827 FR	ED75
26779400	TForce Core LED HPL 18W E27 827 FR	ED75
29931300	TForce Core LED HPL 36W E40 830 FR	ED90
29933700	TForce Core LED HPL 36W E40 840 FR	ED90
26785500	TForce Core LED HPL 36W E40 827 FR	ED90

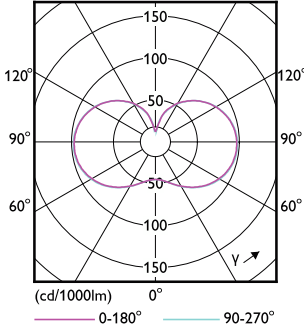
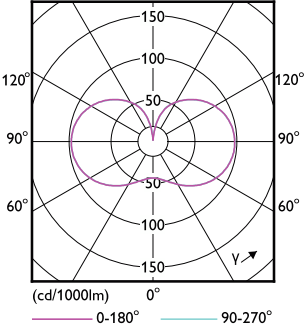
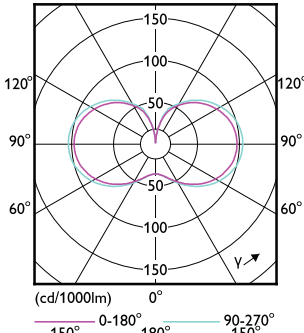
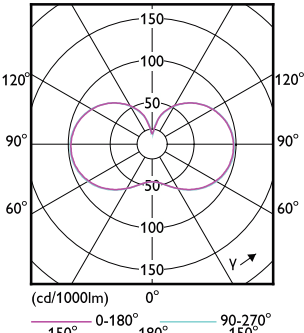
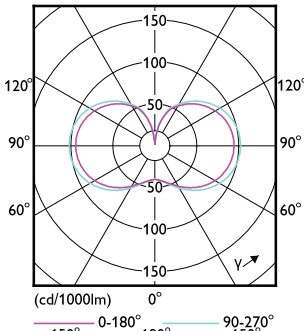
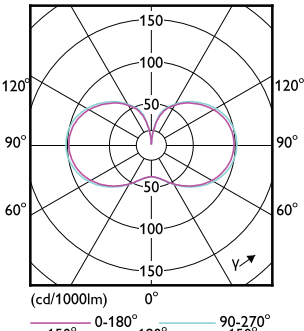
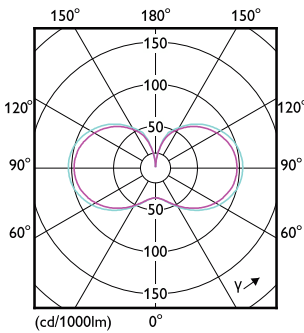
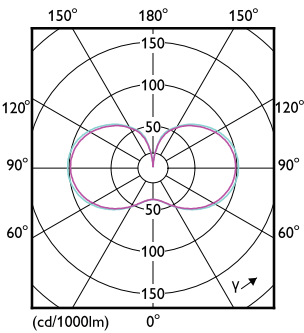
Order Code	Full Product Name	Bulb Shape
75033600	TForce Core LED HPL 26W E27 830 FR	ED90
75035000	TForce Core LED HPL 26W E27 840 FR	ED90
29927600	TForce Core LED HPL 36W E27 830 FR	ED90
29929000	TForce Core LED HPL 36W E27 840 FR	ED90
26781700	TForce Core LED HPL 26W E27 827 FR	ED90
26783100	TForce Core LED HPL 36W E27 827 FR	ED90
33631500	TForce Core LED HPL 24.5W E27 827 FR	ED90
33633900	TForce Core LED HPL 24.5W E27 830 FR	ED90
33635300	TForce Core LED HPL 24.5W E27 840 FR	ED90

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
26777000	TForce Core LED HPL 13W E27 827 FR	13 kWh
26779400	TForce Core LED HPL 18W E27 827 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
26785500	TForce Core LED HPL 36W E40 827 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
29929000	TForce Core LED HPL 36W E27 840 FR	36 kWh
26781700	TForce Core LED HPL 26W E27 827 FR	26 kWh
26783100	TForce Core LED HPL 36W E27 827 FR	36 kWh
33631500	TForce Core LED HPL 24.5W E27 827 FR	25 kWh
33633900	TForce Core LED HPL 24.5W E27 830 FR	25 kWh
33635300	TForce Core LED HPL 24.5W E27 840 FR	25 kWh







Corepro - LED HID HPL

