



The best LED solution for High Intensity Discharge (HID) lamp replacement

TrueForce LED Public (Urban/Road – HPL/SON)

Philips TrueForce LED lamps provide an easy LED solution with a fast payback to replace High-Intensity Discharge (HID) lamps. These lamps bring the energy efficiency and long lifetime benefits of LED to HID replacement, with a low initial investment delivering instant savings. With the right lamp size and light distribution, customers can easily retrofit TrueForce LED lamps into their existing system, thereby enhancing the light quality without having to change the fixtures or sacrifice the light effect.

Benefits

- Cost savings ensure a quick payback
- Low initial investment
- Enhanced light quality and easy adoption

Features

- High energy efficiency
- Long lifetime 50,000hrs
- Right lamp size and lighting distribution for direct retrofit
- Light in weight
- Up to 6KV surge protection

Application

- Public urban - parks, squares
- Public road - streets, paths
- Public area - parking, transportation hubs

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Versions



E27 Others Clear



E27 Others Frosted



E27 Others Clear



E27 OthersFrosted



Trueforce E27 others Clear

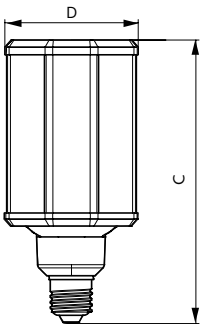


Trueforce E27 others Frosted



Trueforce E27 others Clear

Dimensional drawing



Product	D	C
TrueForce LED HPL ND 44-33W E27 740 FR	84 mm	178 mm
TrueForce LED HPL ND 48-33W E27 740 CL	84 mm	178 mm
TrueForce LED HPL ND 32-25W E27 740 CL	84 mm	178 mm
TrueForce LED HPL ND 29-25W E27 740 FR	84 mm	178 mm
TrueForce LED HPL ND 29-25W E27 740 FR	84 mm	178 mm
TrueForce LED HPL ND 48-33W E27 740 CL	84 mm	178 mm
TrueForce LED HPL ND 28-25W E27 730 FR	84 mm	178 mm
TrueForce LED HPL ND 31-25W E27 730 CL	84 mm	178 mm
TrueForce LED HPL ND 42-33W E27 730 FR	84 mm	178 mm
TrueForce LED HPL ND 46-33W E27 730 CL	84 mm	178 mm
TrueForce LED HPL ND 32-25W E27 740 CL	84 mm	178 mm
TrueForce LED HPL ND 44-33W E27 740 FR	84 mm	178 mm

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Controls and Dimming	
Dimmable	No
Operating and Electrical	
Input Frequency	50 to 60 Hz
Voltage (Nom)	220-240 V
Starting Time (Nom)	0.5 s
General Information	
Cap-Base	E27
Nominal Lifetime (Nom)	50000 h
Rated Lifetime (Hours)	50000 h
Switching Cycle	50000X
Light Technical	
Beam Angle (Nom)	360 °
Color Rendering Index (Nom)	70
Lmf At End Of Nominal Lifetime (Nom)	70 %
Mechanical and Housing	
Bulb Shape	Others

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h	Energy Efficiency Label (EEL)
929001296402	TrueForce LED HPL ND 48-33W E27 740 CL	33 kWh	A++
929001296502	TrueForce LED HPL ND 44-33W E27 740 FR	33 kWh	A++
929001296602	TrueForce LED HPL ND 32-25W E27 740 CL	25 kWh	A++
929001296702	TrueForce LED HPL ND 29-25W E27 740 FR	25 kWh	A+
929001897602	TrueForce LED HPL ND 46-33W E27 730 CL	33 kWh	A++
929001897802	TrueForce LED HPL ND 48-33W E27 740 CL	33 kWh	A++
929001897702	TrueForce LED HPL ND 42-33W E27 730 FR	33 kWh	A++
929001897902	TrueForce LED HPL ND 44-33W E27 740 FR	33 kWh	A++
929001898102	TrueForce LED HPL ND 28-25W E27 730 FR	25 kWh	A+
929001898302	TrueForce LED HPL ND 29-25W E27 740 FR	25 kWh	A+
929001898002	TrueForce LED HPL ND 31-25W E27 730 CL	25 kWh	A++
929001898202	TrueForce LED HPL ND 32-25W E27 740 CL	25 kWh	A++

Operating and Electrical

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
929001296402	TrueForce LED HPL ND 48-33W E27 740 CL	125 W	33 W
929001296502	TrueForce LED HPL ND 44-33W E27 740 FR	125 W	33 W
929001296602	TrueForce LED HPL ND 32-25W E27 740 CL	80 W	25 W
929001296702	TrueForce LED HPL ND 29-25W E27 740 FR	80 W	25 W
929001897602	TrueForce LED HPL ND 46-33W E27 730 CL	125 W	33 W
929001897802	TrueForce LED HPL ND 48-33W E27 740 CL	125 W	33 W

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
929001897702	TrueForce LED HPL ND 42-33W E27 730 FR	125 W	33 W
929001897902	TrueForce LED HPL ND 44-33W E27 740 FR	125 W	33 W
929001898102	TrueForce LED HPL ND 28-25W E27 730 FR	80 W	25 W
929001898302	TrueForce LED HPL ND 29-25W E27 740 FR	80 W	25 W
929001898002	TrueForce LED HPL ND 31-25W E27 730 CL	80 W	25 W
929001898202	TrueForce LED HPL ND 32-25W E27 740 CL	80 W	25 W

Light Technical

Order Code	Full Product Name	Correlated		
		Color Code	Temperature (Nom)	Luminous Flux (Rated) (Nom)
929001296402	TrueForce LED HPL ND 48-33W E27 740 CL	740	4000 K	4800 lm
929001296502	TrueForce LED HPL ND 44-33W E27 740 FR	740	4000 K	4400 lm

Order Code	Full Product Name	Correlated		
		Color Code	Temperature (Nom)	Luminous Flux (Rated) (Nom)
929001296602	TrueForce LED HPL ND 32-25W E27 740 CL	740	4000 K	3200 lm
929001296702	TrueForce LED HPL ND 29-25W E27 740 FR	740	4000 K	2900 lm

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Order Code	Full Product Name	Correlated Color			Luminous Flux (Rated) (Nom)
		Color Code	Temperature (Nom)	Luminous Flux (Nom)	
929001897602	TrueForce LED HPL ND 46-33W E27 730 CL	730	3000 K	4600 lm	4600 lm
929001897802	TrueForce LED HPL ND 48-33W E27 740 CL	740	4000 K	4800 lm	4800 lm
929001897702	TrueForce LED HPL ND 42-33W E27 730 FR	730	3000 K	4200 lm	4200 lm
929001897902	TrueForce LED HPL ND 44-33W E27 740 FR	740	4000 K	4400 lm	4400 lm

Order Code	Full Product Name	Correlated Color			Luminous Flux (Rated) (Nom)
		Color Code	Temperature (Nom)	Luminous Flux (Nom)	
929001898102	TrueForce LED HPL ND 28-25W E27 730 FR	730	3000 K	2800 lm	2800 lm
929001898302	TrueForce LED HPL ND 29-25W E27 740 FR	740	4000 K	2900 lm	2900 lm
929001898002	TrueForce LED HPL ND 31-25W E27 730 CL	730	3000 K	3100 lm	3100 lm
929001898202	TrueForce LED HPL ND 32-25W E27 740 CL	740	4000 K	3200 lm	3200 lm

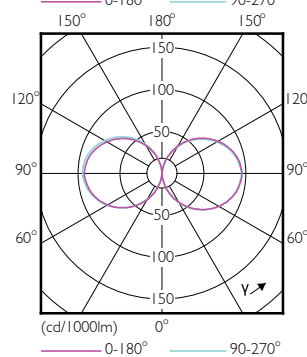
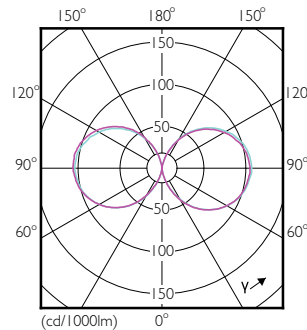
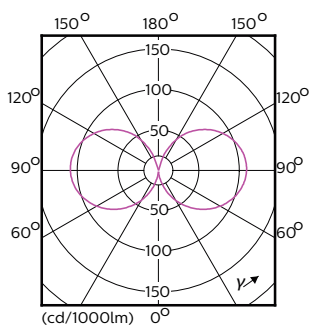
Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
929001296402	TrueForce LED HPL ND 48-33W E27 740 CL	Clear
929001296502	TrueForce LED HPL ND 44-33W E27 740 FR	Frosted
929001296602	TrueForce LED HPL ND 32-25W E27 740 CL	Clear
929001296702	TrueForce LED HPL ND 29-25W E27 740 FR	Frosted
929001897602	TrueForce LED HPL ND 46-33W E27 730 CL	Clear
929001897802	TrueForce LED HPL ND 48-33W E27 740 CL	Clear

Order Code	Full Product Name	Bulb Finish
929001897702	TrueForce LED HPL ND 42-33W E27 730 FR	Frosted
929001897902	TrueForce LED HPL ND 44-33W E27 740 FR	Frosted
929001898102	TrueForce LED HPL ND 28-25W E27 730 FR	Frosted
929001898302	TrueForce LED HPL ND 29-25W E27 740 FR	Frosted
929001898002	TrueForce LED HPL ND 31-25W E27 730 CL	Clear
929001898202	TrueForce LED HPL ND 32-25W E27 740 CL	Clear

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001296402	TrueForce LED HPL ND 48-33W E27 740 CL	80 °C
929001296502	TrueForce LED HPL ND 44-33W E27 740 FR	80 °C
929001296602	TrueForce LED HPL ND 32-25W E27 740 CL	80 °C
929001296702	TrueForce LED HPL ND 29-25W E27 740 FR	80 °C
929001897602	TrueForce LED HPL ND 46-33W E27 730 CL	80 °C
929001897802	TrueForce LED HPL ND 48-33W E27 740 CL	80 °C
929001897702	TrueForce LED HPL ND 42-33W E27 730 FR	80 °C
929001897902	TrueForce LED HPL ND 44-33W E27 740 FR	80 °C
929001898102	TrueForce LED HPL ND 28-25W E27 730 FR	70 °C
929001898302	TrueForce LED HPL ND 29-25W E27 740 FR	70 °C
929001898002	TrueForce LED HPL ND 31-25W E27 730 CL	70 °C
929001898202	TrueForce LED HPL ND 32-25W E27 740 CL	70 °C



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