



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

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

Versions



E27 OthersFrosted



Trueforce E27 others Frosted



Trueforce E27 others Clear



E27 Others Clear

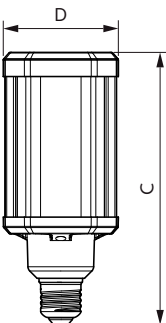
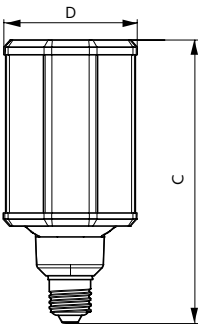


E27 Others Clear



E40 Others Clear

Dimensional drawing

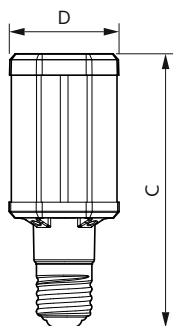
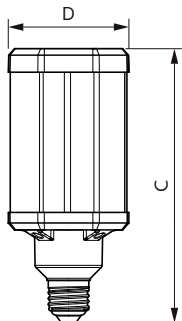


Product	D	C
TrueForce LED HPL ND 29-25W E27 740 FR	84 mm	178 mm
TrueForce LED HPL ND 42-33W E27 730 FR	84 mm	178 mm
TrueForce LED HPL ND 32-25W E27 740 CL	84 mm	178 mm
TrueForce LED HPL ND 28-25W E27 730 FR	84 mm	178 mm
TrueForce LED HPL ND 31-25W E27 730 CL	84 mm	178 mm

Product	D	C
TrueForce LED HPL ND 40-28W E27 840	75 mm	178 mm
TrueForce LED HPL ND 28-21W E27 830	75 mm	178 mm
TrueForce LED HPL ND 38-28W E27 830	75 mm	178 mm
TrueForce LED HPL ND 30-21W E27 840	75 mm	178 mm

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Dimensional drawing



Product	D	C
TrueForce LED HPL ND 60-42W E27 840	84 mm	178 mm
TrueForce LED HPL ND 57-42W E27 830	84 mm	178 mm

Product	D	C
TrueForce LED HPL ND 60-42W E40 840	84 mm	191 mm
TrueForce LED HPL ND 57-42W E40 830	84 mm	191 mm

Controls and Dimming	
Dimmable	No
Operating and Electrical	
Input Frequency	50 to 60 Hz
Voltage (Nom)	220-240 V
General Information	
Nominal Lifetime (Nom)	50000 h
Rated Lifetime (Hours)	50000 h
Switching Cycle	50000X
Light Technical	
Beam Angle (Nom)	360 °
LLmf 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)
68702400	TrueForce LED HPL ND 29-25W E27 740 FR	25 kWh	A+
81101600	TrueForce LED HPL ND 42-33W E27 730 FR	33 kWh	A++
81109200	TrueForce LED HPL ND 28-25W E27 730 FR	25 kWh	A+
81107800	TrueForce LED HPL ND 31-25W E27 730 CL	25 kWh	A++
81111500	TrueForce LED HPL ND 32-25W E27 740 CL	25 kWh	A++
63814600	TrueForce LED HPL ND 28-21W E27 830	21 kWh	A++
63816000	TrueForce LED HPL ND 30-21W E27 840	21 kWh	A++
63818400	TrueForce LED HPL ND 38-28W E27 830	28 kWh	A++
63820700	TrueForce LED HPL ND 40-28W E27 840	28 kWh	A++
63822100	TrueForce LED HPL ND 57-42W E27 830	42 kWh	A++
63824500	TrueForce LED HPL ND 60-42W E27 840	42 kWh	A++
63826900	TrueForce LED HPL ND 57-42W E40 830	42 kWh	A++
63828300	TrueForce LED HPL ND 60-42W E40 840	42 kWh	A++

Operating and Electrical

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)	Starting Time (Nom)
68702400	TrueForce LED HPL ND 29-25W E27 740 FR	80 W	25 W	0.5 s

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)	Starting Time (Nom)
81101600	TrueForce LED HPL ND 42-33W E27 730 FR	125 W	33 W	0.5 s

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Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)	Starting Time (Nom)
81109200	TrueForce LED HPL ND 28-25W E27 730 FR	80 W	25 W	0.5 s
81107800	TrueForce LED HPL ND 31-25W E27 730 CL	80 W	25 W	0.5 s
81111500	TrueForce LED HPL ND 32-25W E27 740 CL	80 W	25 W	0.5 s
63814600	TrueForce LED HPL ND 28-21W E27 830	80 W	21 W	0.45 s
63816000	TrueForce LED HPL ND 30-21W E27 840	80 W	21 W	0.45 s
63818400	TrueForce LED HPL ND 38-28W E27 830	125 W	28 W	0.45 s

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)	Starting Time (Nom)
63820700	TrueForce LED HPL ND 40-28W E27 840	125 W	28 W	0.45 s
63822100	TrueForce LED HPL ND 57-42W E27 830	125 W	42 W	0.45 s
63824500	TrueForce LED HPL ND 60-42W E27 840	125 W	42 W	0.45 s
63826900	TrueForce LED HPL ND 57-42W E40 830	200 W	42 W	0.45 s
63828300	TrueForce LED HPL ND 60-42W E40 840	200 W	42 W	0.45 s

General Information

Order Code	Full Product Name	Cap-Base
68702400	TrueForce LED HPL ND 29-25W E27 740 FR	E27
81101600	TrueForce LED HPL ND 42-33W E27 730 FR	E27
81109200	TrueForce LED HPL ND 28-25W E27 730 FR	E27
81107800	TrueForce LED HPL ND 31-25W E27 730 CL	E27
81111500	TrueForce LED HPL ND 32-25W E27 740 CL	E27
63814600	TrueForce LED HPL ND 28-21W E27 830	E27
63816000	TrueForce LED HPL ND 30-21W E27 840	E27

Order Code	Full Product Name	Cap-Base
63818400	TrueForce LED HPL ND 38-28W E27 830	E27
63820700	TrueForce LED HPL ND 40-28W E27 840	E27
63822100	TrueForce LED HPL ND 57-42W E27 830	E27
63824500	TrueForce LED HPL ND 60-42W E27 840	E27
63826900	TrueForce LED HPL ND 57-42W E40 830	E40
63828300	TrueForce LED HPL ND 60-42W E40 840	E40

Light Technical (1/2)

Order Code	Full Product Name	Color Code	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Luminous Flux (Nom)
68702400	TrueForce LED HPL ND 29-25W E27 740 FR	740	4000 K	70	2900 lm
81101600	TrueForce LED HPL ND 42-33W E27 730 FR	730	3000 K	70	4200 lm
81109200	TrueForce LED HPL ND 28-25W E27 730 FR	730	3000 K	70	2800 lm
81107800	TrueForce LED HPL ND 31-25W E27 730 CL	730	3000 K	70	3100 lm
81111500	TrueForce LED HPL ND 32-25W E27 740 CL	740	4000 K	70	3200 lm
63814600	TrueForce LED HPL ND 28-21W E27 830	830	3000 K	80	2850 lm

Order Code	Full Product Name	Color Code	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Luminous Flux (Nom)
63816000	TrueForce LED HPL ND 30-21W E27 840	840	4000 K	80	3000 lm
63818400	TrueForce LED HPL ND 38-28W E27 830	830	3000 K	80	3800 lm
63820700	TrueForce LED HPL ND 40-28W E27 840	840	4000 K	80	4000 lm
63822100	TrueForce LED HPL ND 57-42W E27 830	830	3000 K	80	5700 lm
63824500	TrueForce LED HPL ND 60-42W E27 840	840	4000 K	80	6000 lm
63826900	TrueForce LED HPL ND 57-42W E40 830	830	3000 K	80	5700 lm
63828300	TrueForce LED HPL ND 60-42W E40 840	840	4000 K	80	6000 lm

Light Technical (2/2)

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

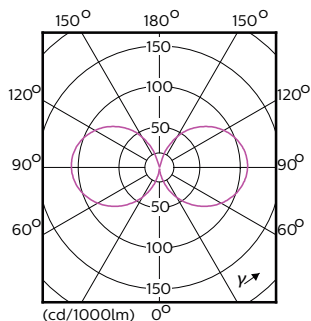
Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
68702400	TrueForce LED HPL ND 29-25W E27 740 FR	2900 lm
81101600	TrueForce LED HPL ND 42-33W E27 730 FR	4200 lm
81109200	TrueForce LED HPL ND 28-25W E27 730 FR	2800 lm
81107800	TrueForce LED HPL ND 31-25W E27 730 CL	3100 lm
81111500	TrueForce LED HPL ND 32-25W E27 740 CL	3200 lm
63814600	TrueForce LED HPL ND 28-21W E27 830	2850 lm
63816000	TrueForce LED HPL ND 30-21W E27 840	3000 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
68702400	TrueForce LED HPL ND 29-25W E27 740 FR	Frosted (FR)
81101600	TrueForce LED HPL ND 42-33W E27 730 FR	Frosted (FR)
81109200	TrueForce LED HPL ND 28-25W E27 730 FR	Frosted
81107800	TrueForce LED HPL ND 31-25W E27 730 CL	Clear (CL)
81111500	TrueForce LED HPL ND 32-25W E27 740 CL	Clear (CL)
63814600	TrueForce LED HPL ND 28-21W E27 830	Clear (CL)
63816000	TrueForce LED HPL ND 30-21W E27 840	Clear (CL)

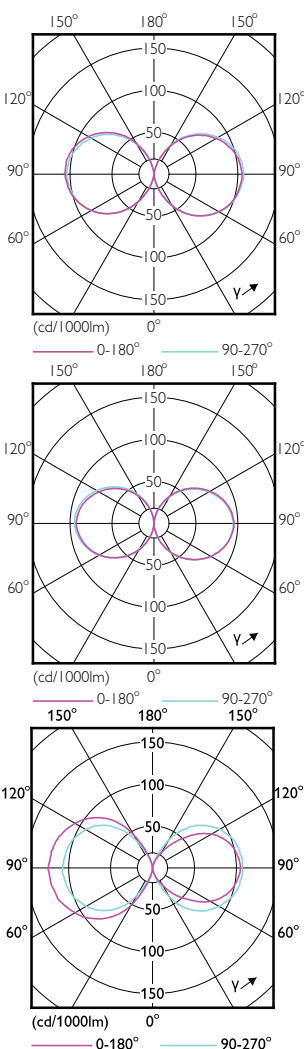
Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
68702400	TrueForce LED HPL ND 29-25W E27 740 FR	80 °C
81101600	TrueForce LED HPL ND 42-33W E27 730 FR	80 °C
81109200	TrueForce LED HPL ND 28-25W E27 730 FR	70 °C
81107800	TrueForce LED HPL ND 31-25W E27 730 CL	70 °C
81111500	TrueForce LED HPL ND 32-25W E27 740 CL	70 °C
63814600	TrueForce LED HPL ND 28-21W E27 830	80 °C
63816000	TrueForce LED HPL ND 30-21W E27 840	80 °C
63818400	TrueForce LED HPL ND 38-28W E27 830	85 °C
63820700	TrueForce LED HPL ND 40-28W E27 840	85 °C
63822100	TrueForce LED HPL ND 57-42W E27 830	90 °C
63824500	TrueForce LED HPL ND 60-42W E27 840	90 °C
63826900	TrueForce LED HPL ND 57-42W E40 830	90 °C
63828300	TrueForce LED HPL ND 60-42W E40 840	90 °C



Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
63818400	TrueForce LED HPL ND 38-28W E27 830	3800 lm
63820700	TrueForce LED HPL ND 40-28W E27 840	4000 lm
63822100	TrueForce LED HPL ND 57-42W E27 830	5700 lm
63824500	TrueForce LED HPL ND 60-42W E27 840	6000 lm
63826900	TrueForce LED HPL ND 57-42W E40 830	5700 lm
63828300	TrueForce LED HPL ND 60-42W E40 840	6000 lm

Order Code	Full Product Name	Bulb Finish
63818400	TrueForce LED HPL ND 38-28W E27 830	Clear (CL)
63820700	TrueForce LED HPL ND 40-28W E27 840	Clear (CL)
63822100	TrueForce LED HPL ND 57-42W E27 830	Clear (CL)
63824500	TrueForce LED HPL ND 60-42W E27 840	Clear (CL)
63826900	TrueForce LED HPL ND 57-42W E40 830	Clear (CL)
63828300	TrueForce LED HPL ND 60-42W E40 840	Clear (CL)



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