



# 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 50,000 hrs
- The right lamp size and lighting distribution for direct retrofitting
- Lightweight
- Up to 6 KV surge protection

### Application

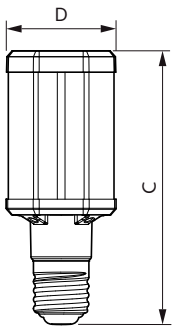
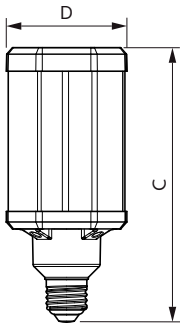
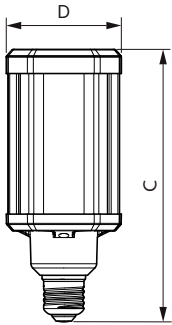
- Public urban – parks, squares
- Public road – streets, paths
- Public area – parking, transportation hubs

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

## Versions



## Dimensional drawing



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

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

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

## Approval and Application

Energy Efficiency Label (EEL) A++

## Controls and Dimming

Dimmable No

## Operating and Electrical

Input Frequency 50 to 60 Hz

Voltage (Nom) 220-240 V

Starting Time (Nom) 0.45 s

## General Information

Nominal Lifetime (Nom) 50000 h

Rated Lifetime (Hours) 50000 h

Switching Cycle 50000X

## Light Technical

Beam Angle (Nom) 360 °

Colour Rendering Index (Nom) 80

Llmf At End Of Nominal Lifetime (Nom) 70 %

## Mechanical and Housing

Bulb Finish Clear (CL)

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
63814600	TrueForce LED HPL ND 28-21W E27 830	21 kWh
63816000	TrueForce LED HPL ND 30-21W E27 840	21 kWh
63818400	TrueForce LED HPL ND 38-28W E27 830	28 kWh
63820700	TrueForce LED HPL ND 40-28W E27 840	28 kWh
63822100	TrueForce LED HPL ND 57-42W E27 830	42 kWh
63824500	TrueForce LED HPL ND 60-42W E27 840	42 kWh
63826900	TrueForce LED HPL ND 57-42W E40 830	42 kWh
63828300	TrueForce LED HPL ND 60-42W E40 840	42 kWh

## Operating and Electrical

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
63814600	TrueForce LED HPL ND 28-21W E27 830	80 W	21 W
63816000	TrueForce LED HPL ND 30-21W E27 840	80 W	21 W
63818400	TrueForce LED HPL ND 38-28W E27 830	125 W	28 W
63820700	TrueForce LED HPL ND 40-28W E27 840	125 W	28 W

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

## General Information

Order Code	Full Product Name	Cap-Base
63814600	TrueForce LED HPL ND 28-21W E27 830	E27
63816000	TrueForce LED HPL ND 30-21W E27 840	E27
63818400	TrueForce LED HPL ND 38-28W E27 830	E27
63820700	TrueForce LED HPL ND 40-28W E27 840	E27

Order Code	Full Product Name	Cap-Base
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

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

Order Code	Full Product Name	Colour Code	Correlated Colour		Luminous Flux (Rated) (Nom)
			Temperature (Nom)	Luminous Flux (Nom)	
63814600	TrueForce LED HPL ND 28-21W E27 830	830	3000 K	2850 lm	2850 lm
63816000	TrueForce LED HPL ND 30-21W E27 840	840	4000 K	3000 lm	3000 lm
63818400	TrueForce LED HPL ND 38-28W E27 830	830	3000 K	3800 lm	3800 lm
63820700	TrueForce LED HPL ND 40-28W E27 840	840	4000 K	4000 lm	4000 lm

Order Code	Full Product Name	Colour Code	Correlated Colour		Luminous Flux (Rated) (Nom)
			Temperature (Nom)	Luminous Flux (Nom)	
63822100	TrueForce LED HPL ND 57-42W E27 830	830	3000 K	5700 lm	5700 lm
63824500	TrueForce LED HPL ND 60-42W E27 840	840	4000 K	6000 lm	6000 lm
63826900	TrueForce LED HPL ND 57-42W E40 830	830	3000 K	5700 lm	5700 lm
63828300	TrueForce LED HPL ND 60-42W E40 840	840	4000 K	6000 lm	6000 lm

### Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
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

