



The best LED replacement for HID HPL and SON post-top lamps with TrueForce LED

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) and High-Pressure Sodium (SON) lamps. These post-top lamps bring the energy efficiency and long lifetime benefits of LED-to-HID replacement, delivering instant savings for a low initial investment. With the right lamp size and light distribution, customers can easily retrofit TrueForce LED lamps into their existing HPL and SON system, thereby enhancing the light quality with LED HID, without having to change the fixtures or sacrifice the light effect.

Benefits

- Cost savings for a quick payback
- Easy way to enhance light quality
- High energy-efficiency

Features

- High Energy efficient lamps
- Long lifetime – 50,000 hrs
- Surge protection 4KV
- Pleasant white light with CRI 80
- Omnidirectional light around lamp
- IP65 product (IP rated sockets required for outdoor application)

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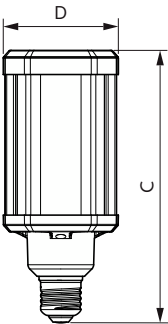
Application

- Road and street
- Car parks
- Parks and squares

Warnings and Safety

- Installation should always be performed by a qualified electrician or installer. Use the installation guide for instructions
- <https://www.assets.signify.com/is/content/Signify/phl-led-hid-eu-compatibility-list-professional>

Dimensional drawing



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

General Information	
Cap base	E27
Switching Cycle	50,000
Nominal lifetime	50,000 h
Light Technical	
Beam angle (nom.)	360 degree(s)
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Operating and Electrical	
Input frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting time (nom.)	0.45 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Clear
Bulb shape	Others
Approval and Application	
Ambient temperature range	-30 to +45 °C

Light Technical

Order Code	Full Product Name	Correlated Colour		Colour Code	Luminous Flux
		Temperature (Nom)			
929002006202	TForce LED HPL ND 30-21W E27 840	4000 K		840	3,000 lm
929002006302	TForce LED HPL ND 38-28W E27 830	3000 K		830	3,800 lm
929002006402	TForce LED HPL ND 40-28W E27	4000 K		840	4,000 lm
	840				

Operating and Electrical

Order Code	Full Product Name	Power Consumption
929002006202	TForce LED HPL ND 30-21W E27 840	21 W

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Order Code	Full Product Name	Power Consumption
929002006302	TForce LED HPL ND 38-28W E27 830	28 W
929002006402	TForce LED HPL ND 40-28W E27 840	28 W

Temperature

Order Code	Full Product Name	T-Case maximum (nom.)
929002006202	TForce LED HPL ND 30-21W E27 840	55 °C
929002006302	TForce LED HPL ND 38-28W E27 830	60 °C

Order Code	Full Product Name	T-Case maximum (nom.)
929002006402	TForce LED HPL ND 40-28W E27 840	60 °C

Approval and Application

Order Code	Full Product Name	Energy consumption kWh/ 1,000 hours
929002006202	TForce LED HPL ND 30-21W E27 840	21 kWh
929002006302	TForce LED HPL ND 38-28W E27 830	28 kWh
929002006402	TForce LED HPL ND 40-28W E27 840	28 kWh

