



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

## TrueForce LED HPL ND 46-33W E27 730 CL

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.

### Warnings and Safety

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

### Product data

General Information		Operating and Electrical	
Cap base	E27 [E27]	Correlated Colour Temperature	3000 K
Nominal lifetime	50,000 h	Luminous efficacy (rated) (nom.)	139.00 lm/W
Switching Cycle	50,000	Colour consistency	<6
Lighting Technology	LED	Colour rendering index (CRI)	70
EU RoHS compliant	Yes	LLMF at end of nominal lifetime (nom.)	70 %
Light Technical		Line Frequency	50 to 60 Hz
Colour Code	730 [CCT of 3000K]	Input frequency	50 to 60 Hz
Beam angle (nom.)	360 degree(s)	Power Consumption	33 W
Luminous Flux	4,600 lm	Lamp current (nom.)	165 mA
Colour designation	White (WH)	Wattage equivalent	125 W

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

Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.91
Voltage (nom.)	220–240 V

## Temperature

T-Case maximum (nom.)	80 °C
-----------------------	-------

## Controls and Dimming

Dimmable	No
----------	----

## Mechanical and Housing

Lamp Finish	Clear
Bulb shape	Others

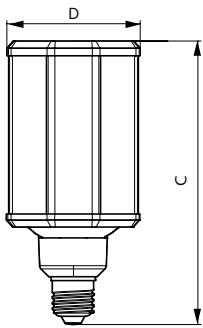
## Approval and Application

Energy consumption kWh/1,000 hours	33 kWh
------------------------------------	--------

## Product Data

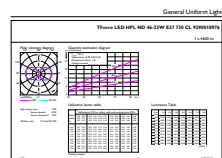
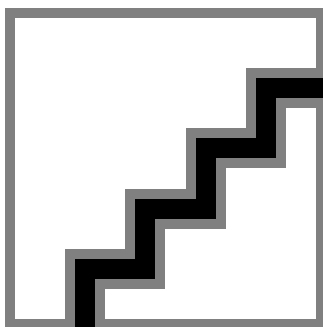
Order product name	TForce LED HPL ND 46-33W E27 730 CL
Full product name	TrueForce LED HPL ND 46-33W E27 730 CL
Full EOC	871869681099600
Order code	81099600
Material no. (12 NC)	929001897602
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696810996
Numerator – packs per outer box	6
EAN/UPC - Case	8718696811009

## Dimensional drawing



Product	D	C
TForce LED HPL ND 46-33W E27 730 CL	84 mm	178 mm

## Photometric data

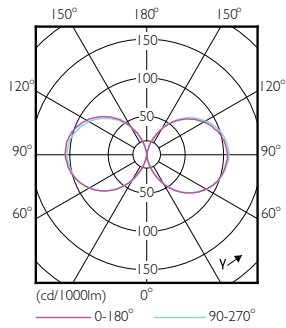


Spectral Power Distribution Colour - TForce LED HPL ND 46-33W E27 730 CL

General uniform lighting - TForce LED HPL ND 46-33W E27 730 CL

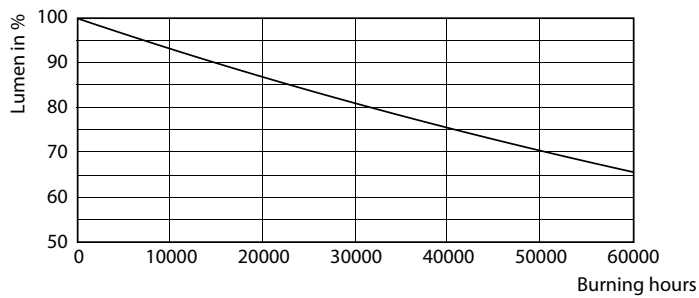
# TrueForce LED Public (Urban/Road – HPL/SON)

## Photometric data

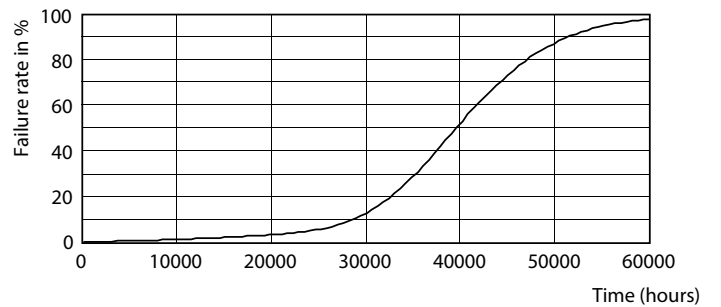


Light Distribution Diagram - TForce LED HPL ND 46-33W E27 730 CL

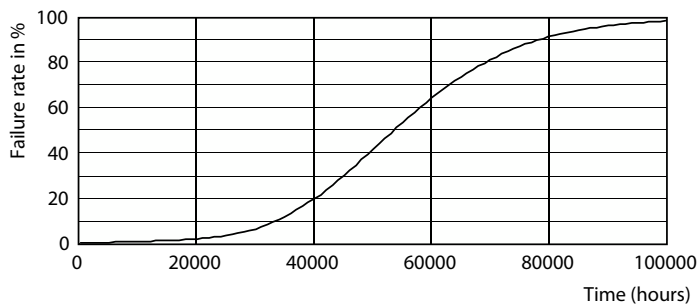
## Lifetime



Lumen Maintenance Diagram - TForce LED HPL ND 46-33W E27 730 CL



Life Expectancy Diagram - TForce LED HPL ND 46-33W E27 730 CL



Life Expectancy Diagram - TForce LED HPL ND 46-33W E27 730 CL

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

