



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

## TrueForce LED HPL ND 42-33W E27 730 FR

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			
Cap base	E27 [E27]	Correlated Colour Temperature	3000 K
Nominal lifetime	50,000 h	Luminous efficacy (rated) (nom.)	127.00 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		Operating and Electrical	
Colour Code	730 [CCT of 3000K]	Line Frequency	50 to 60 Hz
Beam angle (nom.)	360 degree(s)	Input frequency	50 to 60 Hz
Luminous Flux	4,200 lm	Power Consumption	33 W
Colour designation	White (WH)	Lamp current (nom.)	165 mA
		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	Frosted
Bulb shape	Others

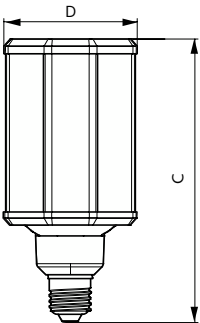
Approval and Application

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

Product Data

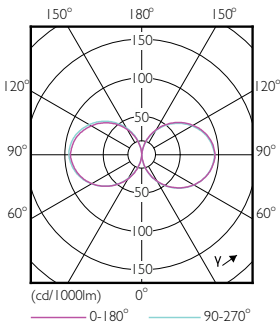
Order product name	TForce LED HPL ND 42-33W E27 730 FR
Full product name	TrueForce LED HPL ND 42-33W E27 730 FR
Full EOC	871869681101600
Order code	81101600
Material no. (12 NC)	929001897702
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696811016
Numerator – packs per outer box	6
EAN/UPC – Case	8718696811023

Dimensional drawing

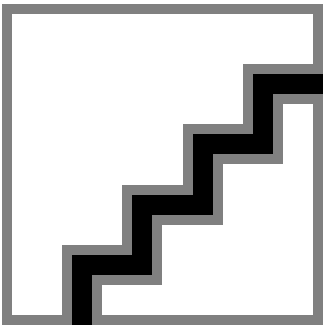


Product	D	C
TForce LED HPL ND 42-33W E27 730 FR	84 mm	178 mm

Photometric data



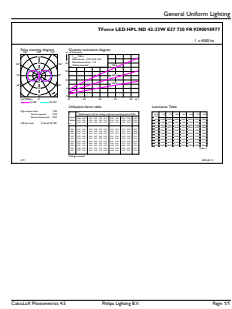
Light Distribution Diagram - TForce LED HPL ND 42-33W E27 730 FR



Spectral Power Distribution Colour - TForce LED HPL ND 42-33W E27 730 FR

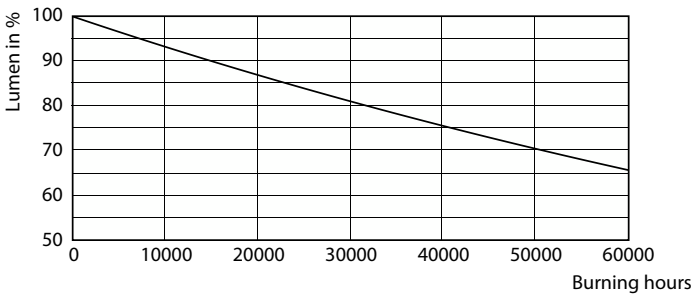
TrueForce LED Public (Urban/Road – HPL/SON)

Photometric data

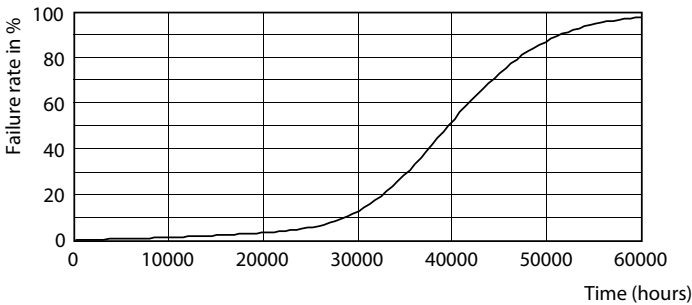


General uniform lighting - TForce LED HPL ND 42-33W E27 730 FR

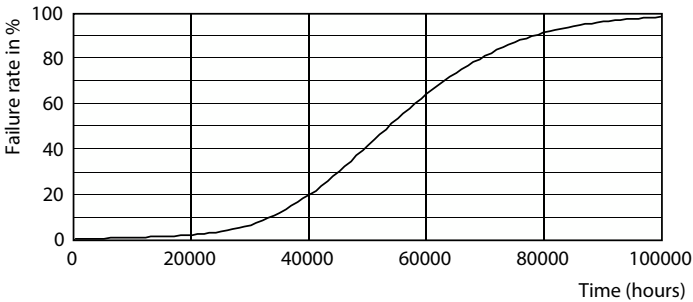
Lifetime



Lumen Maintenance Diagram - TForce LED HPL ND 42-33W E27 730 FR



Life Expectancy Diagram - TForce LED HPL ND 42-33W E27 730 FR



Life Expectancy Diagram - TForce LED HPL ND 42-33W E27 730 FR

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

