



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

TrueForce LED HPL ND 44-33W E27 740 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

 $\cdot \ \text{Installation must always be performed by a qualified electrician or installer}. \ Use the installation guide for instructions$

Product data

General Information	
Cap base	E27 [E27]
Nominal lifetime	50,000 h
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Colour Code	740 [CCT of 4000K]
Beam angle (nom.)	360 degree(s)
Luminous Flux	4,400 lm
Colour designation	Cool White (CW)

Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	133.00 lm/W
Colour consistency	<6
Colour rendering index (CRI)	70
LLMF at end of nominal lifetime (nom.)	70 %
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	33 W
Lamp current (nom.)	165 mA
Wattage equivalent	125 W

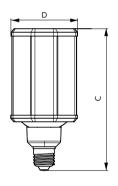
Datasheet, 2023, April 29 data subject to change

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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 ℃
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb shape	Others

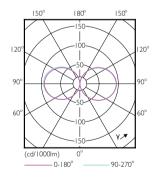
Approval and Application		
Energy consumption kWh/1,000 hours	33 kWh	
Product Data		
Order product name	TForce LED HPL ND 44-33W E27 740 FR	
Full product name	TrueForce LED HPL ND 44-33W E27 740 FF	
Full EOC	871869681105400	
Order code	81105400	
Material no. (12 NC)	929001897902	
SAP numerator – quantity per pack	1	
EAN/UPC — Product/Case	8718696811054	
Numerator – packs per outer box	6	
EAN/UPC - Case	8718696811061	

Dimensional drawing

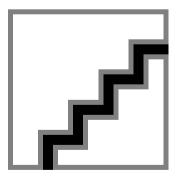


Product	D	С
TForce LED HPL ND 44-33W E27 740 FR	84 mm	178 mm

Photometric data



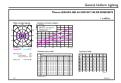
Light Distribution Diagram - TForce LED HPL ND 44-33W E27 740 FR



Spectral Power Distribution Colour - TForce LED HPL ND 44-33W E27 740 FR

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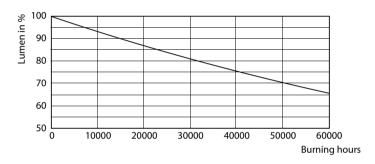
Photometric data

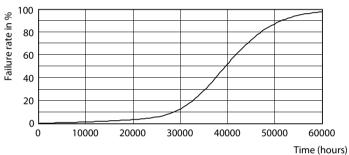


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General uniform lighting - TForce LED HPL ND 44-33W E27 740 FR

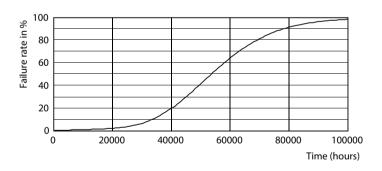
Lifetime





Lumen Maintenance Diagram - TForce LED HPL ND 44-33W E27 740 FR

Life Expectancy Diagram - TForce LED HPL ND 44-33W E27 740 FR



Life Expectancy Diagram - TForce LED HPL ND 44-33W E27 740 FR

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