



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

TrueForce LED HPL ND 48-33W E27 740 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

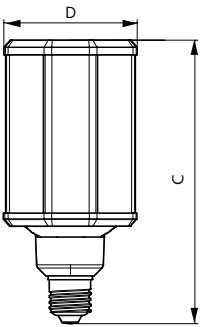
General Information			
Cap base	E27 [E27]	Correlated Colour Temperature	4000 K
Nominal lifetime	50,000 h	Luminous efficacy (rated) (nom.)	145.00 lm/W
Switching Cycle	50,000	Colour consistency	<6
Lighting Technology	LED	Colour rendering index (CRI)	70
EU RoHS compliant	Yes	LLMF at end of nominal lifetime (nom.)	70 %
Light Technical		Operating and Electrical	
Colour Code	740 [CCT of 4000K]	Line Frequency	50 to 60 Hz
Beam angle (nom.)	360 degree(s)	Input frequency	50 to 60 Hz
Luminous Flux	4,800 lm	Power Consumption	33 W
Colour designation	Cool White (CW)	Lamp current (nom.)	165 mA
		Starting time (nom.)	0.5 s

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

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

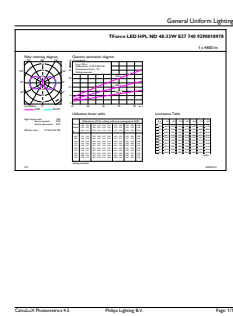
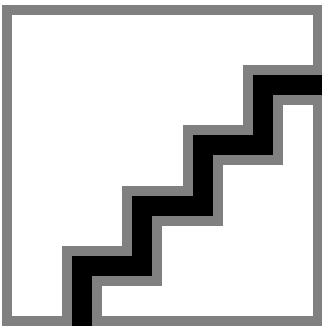
Product Data	
Order product name	TForce LED HPL ND 48-33W E27 740 CL
Full product name	TrueForce LED HPL ND 48-33W E27 740 CL
Full EOC	871869681103000
Order code	81103000
Material no. (12 NC)	929001897802
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696811030
Numerator – packs per outer box	6
EAN/UPC – Case	8718696811047

Dimensional drawing



Product	D	C
TForce LED HPL ND 48-33W E27 740 CL	84 mm	178 mm

Photometric data

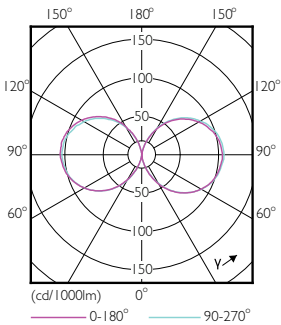


Spectral Power Distribution Colour - TForce LED HPL ND 48-33W E27 740 CL

General uniform lighting - TForce LED HPL ND 48-33W E27 740 CL

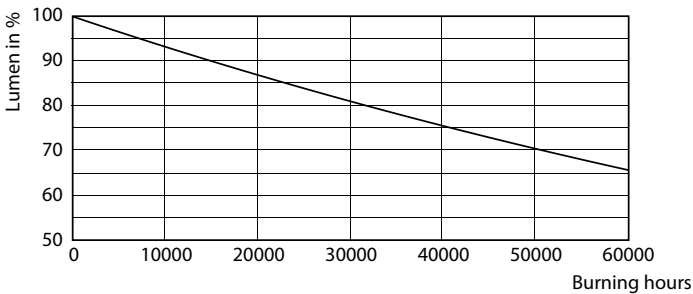
TrueForce LED Public (Urban/Road – HPL/SON)

Photometric data

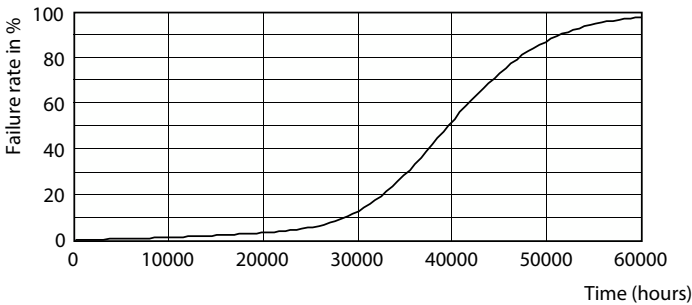


Light Distribution Diagram - TForce LED HPL ND 48-33W E27 740 CL

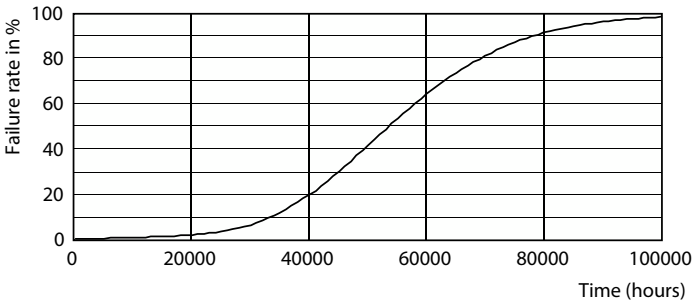
Lifetime



Lumen Maintenance Diagram - TForce LED HPL ND 48-33W E27 740 CL



Life Expectancy Diagram - TForce LED HPL ND 48-33W E27 740 CL



Life Expectancy Diagram - TForce LED HPL ND 48-33W E27 740 CL

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

