



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

TrueForce Core LED PT 50-42W E27 830 FR

Philips TrueForce Core LED urban lamps offer an easy and short payback LED solution to replace High Intensity Discharge (HID) lamps. The products bring the energy-efficiency and long lifetime benefits of LED to HID replacement and provide instant savings and low initial investment. With the right lamp size and light distribution, you can easily retrofit TrueForce Core LED urban lamps and bypass the existing ballast while enhancing the lighting quality.

Product data

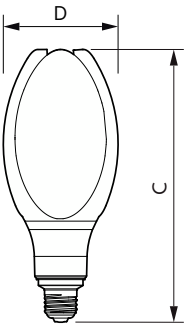
General Information		LLMF at end of nominal lifetime (nom.)	
Cap base	E27 [E27]	70 %	
Nominal lifetime	25,000 h		
Switching Cycle	50,000		
Lighting Technology	LED		
EU RoHS compliant	Yes		
Light Technical		Operating and Electrical	
Colour Code	830 [CCT of 3000K]	Line Frequency	50 to 60 Hz
Luminous Flux	5,000 lm	Input frequency	50 to 60 Hz
Colour designation	White (WH)	Power Consumption	42 W
Correlated Colour Temperature	3000 K	Lamp current (nom.)	190 mA
Luminous efficacy (rated) (nom.)	119.00 lm/W	Starting time (nom.)	0.3 s
Colour consistency	<6	Warm-up time to 60% light	0.3 s
Colour rendering index (CRI)	80	Power Factor (Fraction)	0.98
		Voltage (nom.)	220-240 V
		Temperature	
		T-Case maximum (nom.)	70 °C

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Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb shape	Others
Approval and Application	
Energy consumption kWh/1,000 hours	42 kWh
Product Data	
Order product name	TForce Core LED PT 50-42W E27 830 FR

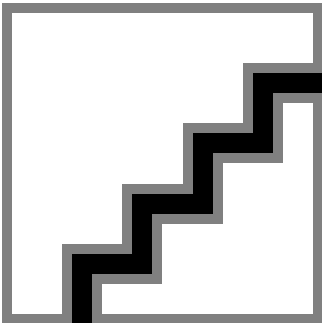
Full product name	TrueForce Core LED PT 50-42W E27 830 FR
Full EOC	871869959442800
Order code	59442800
Material no. (12 NC)	929001925002
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699594428
Numerator – packs per outer box	4
EAN/UPC – Case	8718699594435

Dimensional drawing

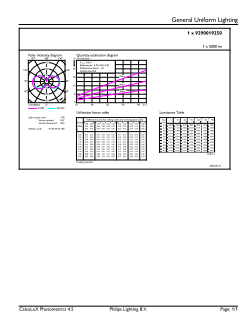


Product	D	C
TForce Core LED PT 50-42W E27 830 FR	108 mm	265 mm

Photometric data



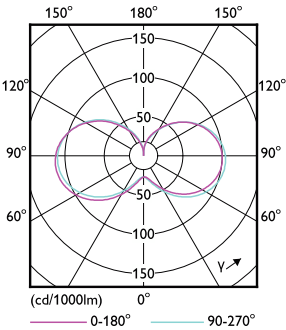
Spectral Power Distribution Colour - TForce Core LED PT 50-42W E27 830 FR



General uniform lighting – TForce Core LED PT 50-42W E27 830 FR

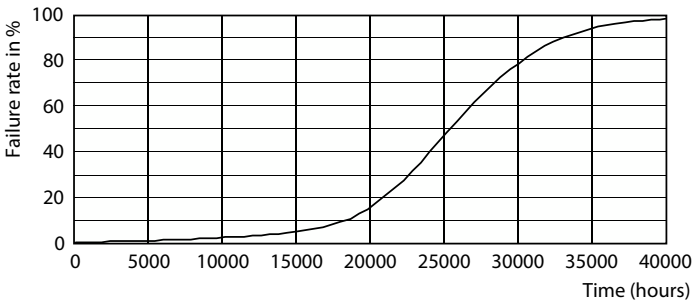
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Photometric data

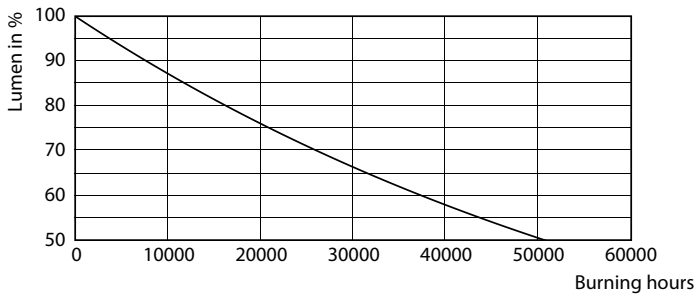


Light Distribution Diagram - TForce Core LED PT 50-42W E27 830 FR

Lifetime



Life Expectancy Diagram - TForce Core LED PT 50-42W E27 830 FR



Lumen Maintenance Diagram - TForce Core LED PT 50-42W E27 830 FR

