PHILIPS Lighting



TrueForce - LED HID HPL

TForce LED HPL ND 57-42W E27 830

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

Product data

General Information		
General Information		
Cap-Base	E27 [E27]	
Nominal lifetime	50,000 hour(s)	
Switching Cycle	50,000	
Lighting Technology	LED	
Flux measurement reference	Sphere	
CE mark	Yes	
EU RoHS compliant	Yes	
Light Technical		
Color Code	830 [CCT of 3000K]	
Beam Angle (Nom)	360 degree(s)	
Luminous Flux	5,700 lumen	
Color Designation	White (WH)	
Correlated Color Temperature (Nom)	3000 K	

Luminous Efficacy (rated) (Nom)	135 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
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	42 W
Lamp Current (Nom)	186 mA
Wattage Equivalent	125 W
Starting Time (Nom)	0.45 s
Warm-up time to 60% light	0.45 s
Power Factor (Fraction)	0.95

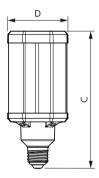
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Voltage (Nom)	220-240 V	
Temperature		
Ambient temperature range	-40 ℃ to 55 ℃	
T-Case Maximum (Nom)	65 °C	
Controls and Dimming		
Dimmable	No	
Mechanical and Housing		
Bulb Finish	Clear	
Bulb Shape	Others	
Approval and Application		
Energy Efficiency Class	D	

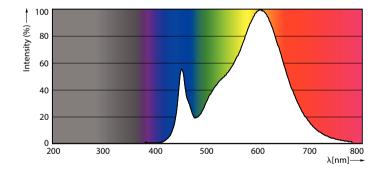
Energy Consumption kWh/1000 h	42 kWh	
EPREL Registration Number	403603	
Product Data		
Full product code	871869963822100	
Order product name	TForce LED HPL ND 57-42W E27 830	
Order code	929002006502	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	6	
Material Nr. (12NC)	929002006502	
Full product name	TForce LED HPL ND 57-42W E27 830	
EAN/UPC - Case	8718699638238	
EAN/UPC - Product/Case	8718699638221	

Dimensional drawing



Product	D	с
TForce LED HPL ND 57-42W E27 830	84 mm	178 mm

Photometric data



Spectral Power Distribution Colour - TForce LED HPL ND 57-42W E27 830

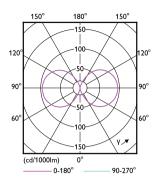
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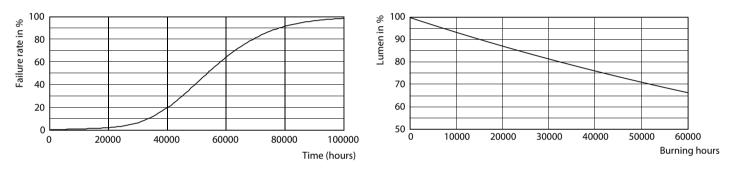
TrueForce - LED HID HPL

Photometric data



Light Distribution Diagram - TForce LED HPL ND 57-42W E27 830

Lifetime



Life Expectancy Diagram - TForce LED HPL ND 57-42W E27 830

Lumen Maintenance Diagram - TForce LED HPL ND 57-42W E27 830



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