



TrueForce - LED HID HPL



TForce LED HPL ND 57-42W E40 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

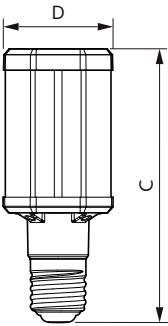
General Information		Luminous Efficacy (rated) (Nom)	
Cap-Base	E40 [E40]	Color Consistency	<6
Nominal lifetime	50,000 hour(s)	Color rendering index (CRI)	80
Switching Cycle	50,000	LLMF At End Of Nominal Lifetime (Nom)	70 %
Lighting Technology	LED	Operating and Electrical	
Flux measurement reference	Sphere	Line Frequency	50 to 60 Hz
CE mark	Yes	Input Frequency	50 to 60 Hz
EU RoHS compliant	Yes	Power Consumption	42 W
Light Technical		Lamp Current (Nom)	186 mA
Color Code	830 [CCT of 3000K]	Wattage Equivalent	125 W
Beam Angle (Nom)	360 degree(s)	Starting Time (Nom)	0.45 s
Luminous Flux	5,700 lumen	Warm-up time to 60% light	0.45 s
Color Designation	White (WH)	Power Factor (Fraction)	0.95
Correlated Color Temperature (Nom)	3000 K		

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Voltage (Nom)	220-240 V
Temperature	
Ambient temperature range	-40 °C to 55 °C
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

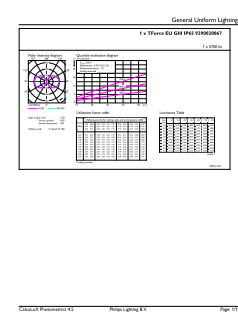
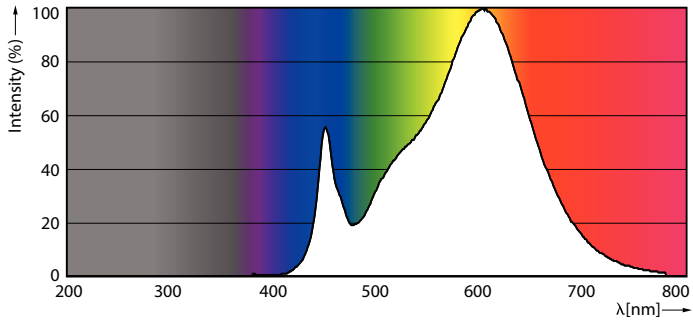
Energy Consumption kWh/1000 h	42 kWh
EPREL Registration Number	403605
Product Data	
Full product code	871869963826900
Order product name	TForce LED HPL ND 57-42W E40 830
Order code	929002006702
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929002006702
Full product name	TForce LED HPL ND 57-42W E40 830
EAN/UPC - Case	8718699638276
EAN/UPC - Product/Case	8718699638269

Dimensional drawing



Product	D	C
TForce LED HPL ND 57-42W E40 830	84 mm	191 mm

Photometric data

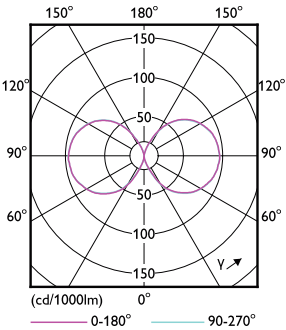


Spectral Power Distribution Colour - TForce LED HPL ND 57-42W E40 830

General uniform lighting - TForce LED HPL ND 57-42W E40 830

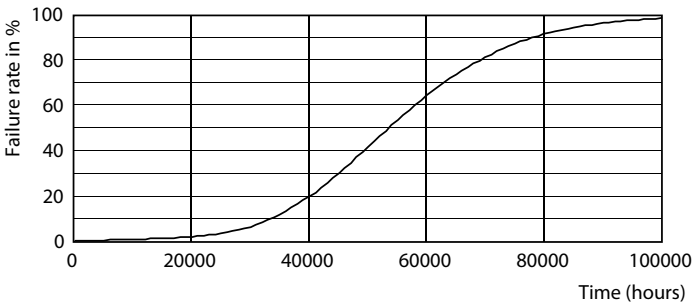
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Photometric data

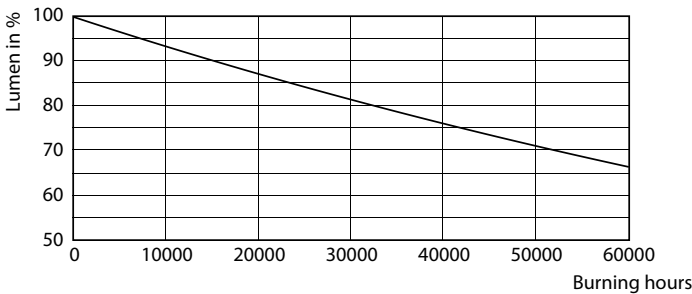


Light Distribution Diagram - TForce LED HPL ND 57-42W E40 830

Lifetime



Life Expectancy Diagram - TForce LED HPL ND 57-42W E40 830



Lumen Maintenance Diagram - TForce LED HPL ND 57-42W E40 830

