



TrueForce - LED HID HPL



TForce LED HPL ND 60-42W E40 840

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

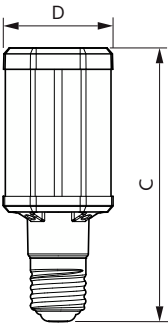
General Information		Operating and Electrical	
Cap-Base	E40 [E40]	Luminous Efficacy (rated) (Nom)	142 lm/W
Nominal lifetime	50,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color rendering index (CRI)	80
Lighting Technology	LED	LLMF At End Of Nominal Lifetime (Nom)	70 %
Flux measurement reference	Sphere	Flickering value (PstLM)	1
CE mark	Yes	Stroboscopic effect value (SVM)	1.6
EU RoHS compliant	Yes	Photobiological safety according to EN 62471	RG1
Light Technical		Line Frequency	50 to 60 Hz
Color Code	840 [CCT of 4000K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	360 degree(s)	Power Consumption	42 W
Luminous Flux	6,000 lumen	Lamp Current (Nom)	186 mA
Color Designation	Cool White (CW)	Wattage Equivalent	125 W
Correlated Color Temperature (Nom)	4000 K	Starting Time (Nom)	0.45 s

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Warm-up time to 60% light	0.45 s
Power Factor (Fraction)	0.95
Voltage (Nom)	220-240 V
Temperature	
Ambient temperature range	-30 to +45 °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

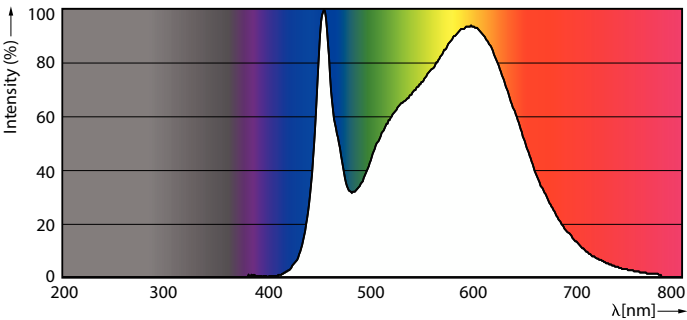
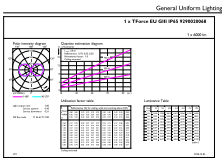
Energy Consumption kWh/1000 h	42 kWh
EPREL Registration Number	403606
Product Data	
Full product code	871869963828300
Order product name	TForce LED HPL ND 60-42W E40 840
Order code	929002006802
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929002006802
Full product name	TForce LED HPL ND 60-42W E40 840
EAN/UPC - Case	8718699638290
EAN/UPC - Product/Case	8718699638283

Dimensional drawing



Product	D	C
TForce LED HPL ND 60-42W E40 840	84 mm	191 mm

Photometric data

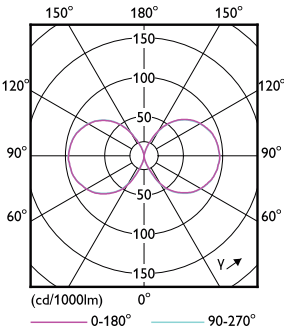


General uniform lighting - TForce LED HPL ND 60-42W E40 840

Spectral Power Distribution Colour - TForce LED HPL ND 60-42W E40 840

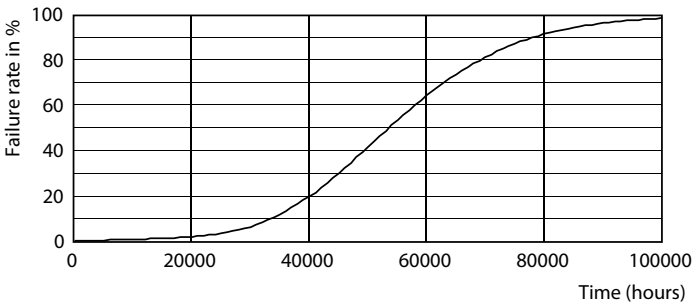
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Photometric data

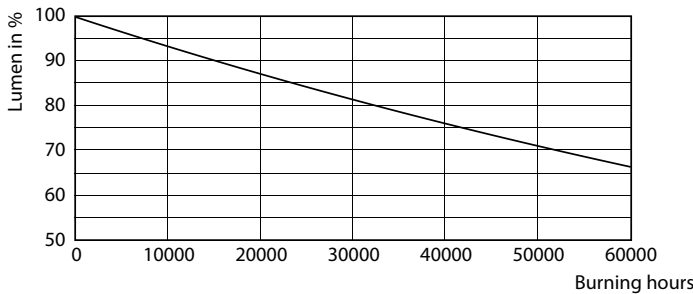


Light Distribution Diagram - TForce LED HPL ND 60-42W E40 840

Lifetime



Life Expectancy Diagram - TForce LED HPL ND 60-42W E40 840



Lumen Maintenance Diagram - TForce LED HPL ND 60-42W E40 840

