

TrueForce - LED HID HPL

TForce LED HPL ND 60-42W E27 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
- <https://www.assets.signify.com/is/content/Signify/phl-led-hid-eu-compatibility-list-professional>

Product data

General Information		Color Consistency	
Cap-Base	E27	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	Photobiological safety according to EN 62471	RG1
Flux measurement reference	Sphere	Operating and Electrical	
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 lm	Lamp Current (Nom)	186 mA
Color Designation	Cool White (CW)	Starting Time (Nom)	0.45 s
Correlated Color Temperature (Nom)	4000 K	Warm-up time to 60% light	0.45 s
Luminous Efficacy (rated) (Nom)	142 lm/W	Power Factor (Fraction)	0.95
		Voltage (Nom)	220-240 V

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Ballast Compatibility	EM/Mains
Inrush current at mains	6.3
Max. lamp no. on MCB B type 10A - Mains	30
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	30
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	7
Max. lamp no. on MCB B type 16A - Mains	48
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	48
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	11

Temperature

T-Case Maximum (Nom)	65 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	Others
Net Weight (Piece)	0.365 kg

Approval and Application

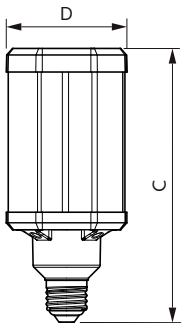
Energy Efficiency Class	D
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Energy Consumption kWh/1000 h	42 kWh
EPREL Registration Number	403604
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	1.6
Ambient temperature range	-30 to +45 °C

Product Data

Order product name	TForce LED HPL ND 60-42W E27 840
Full product name	TForce LED HPL ND 60-42W E27 840
Full product code	871869963824500
Order code	929002006602
Material Nr. (12NC)	929002006602
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699638245
Numerator - Packs per outer box	6
EAN/UPC - Case	8718699638252

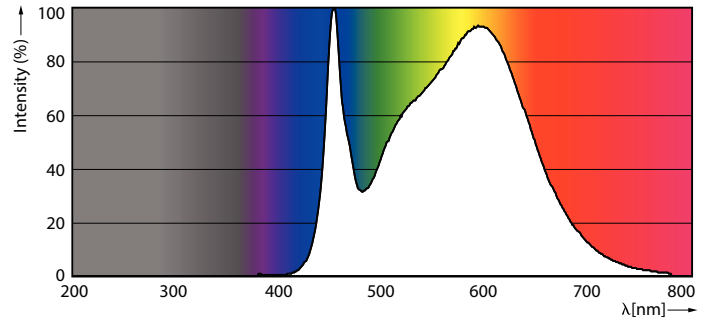
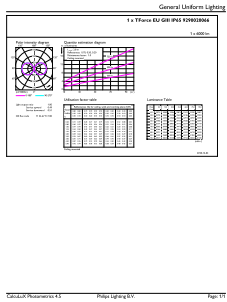
Dimensional drawing



Product	D	C
TForce LED HPL ND 60-42W E27 840	84 mm	178 mm

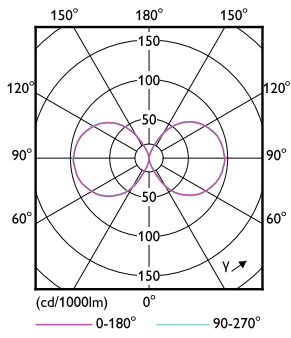
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Photometric data



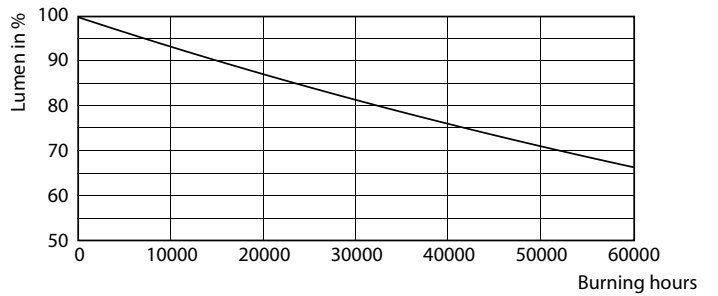
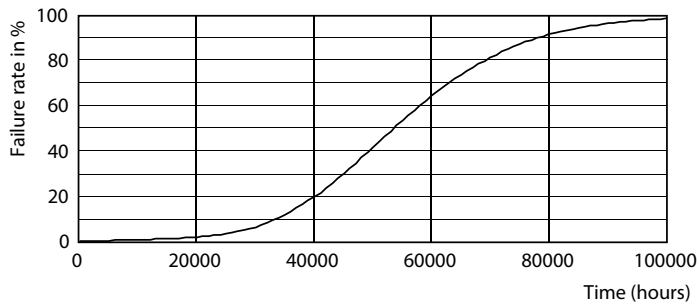
General uniform lighting - TForce LED HPL ND 60-42W E27 840

Spectral Power Distribution Colour - TForce LED HPL ND 60-42W E27 840



Light Distribution Diagram - TForce LED HPL ND 60-42W E27 840

Lifetime



LEDTrueForce Others 360

Lumen Maintenance Diagram - TForce LED HPL ND 60-42W E27 840

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