



TrueForce - LED HID HPL

TForce LED HPL ND 30-21W 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
- Link to Ballast – igniter compatibility list <https://www.assets.signify.com/is/content/Signify/Assets/philips-lighting/global/HIDLED-EU-compatibility-list-professional.pdf>

Product data

General Information		Color Designation	
Cap-Base	E27 [E27]	Cool White (CW)	
Nominal lifetime	50,000 hour(s)	Correlated Color Temperature (Nom)	
Switching Cycle	50,000	4000 K	
Lighting Technology	LED	Luminous Efficacy (rated) (Nom)	
Flux measurement reference	Sphere	142 lm/W	
CE mark	Yes	Color Consistency	
EU RoHS compliant	Yes	<6	
Light Technical		Color rendering index (CRI)	
Color Code	840 [CCT of 4000K]	80	
Beam Angle (Nom)	360 degree(s)	LLMF At End Of Nominal Lifetime (Nom)	
Luminous Flux	3,000 lm	70 %	
		Flickering value (PstLM) - Flickering value as per	
		1	
		EN 61000-3-3	
		Stroboscopic effect visibility measure (SVM)	
		1.6	
		Photobiological safety according to EN 62471	
		RG1	
		Operating and Electrical	
		Line Frequency	
		50 to 60 Hz	

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Input Frequency	50 to 60 Hz
Power Consumption	21 W
Lamp Current (Nom)	95 mA
Starting Time (Nom)	0.45 s
Warm-up time to 60% light	0.45 s
Power Factor (Fraction)	0.95
Voltage (Nom)	220-240 V
Inrush current at mains	4.03
Max. lamp no. on MCB B type 10A - Mains	58
Max. lamp no. on MCB B type 10A - EM ballast without Comp. Cap.	58
Max. lamp no. on MCB B type 10A - EM ballast with Comp. Cap.	8
Max. lamp no. on MCB B type 16A - Mains	93
Max. lamp no. on MCB B type 16A - EM ballast without Comp. Cap.	93
Max. lamp no. on MCB B type 16A - EM ballast with Comp. Cap.	14

Temperature

Ambient temperature range	-30 to +45 °C
T-Case Maximum (Nom)	55 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	Others

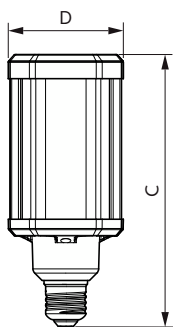
Approval and Application

Energy Efficiency Class	D
Energy Consumption kWh/1000 h	21 kWh
EPREL Registration Number	403569

Product Data

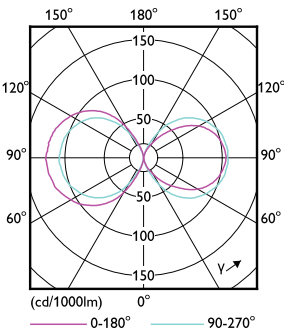
Order product name	TForce LED HPL ND 30-21W E27 840
Full product name	TForce LED HPL ND 30-21W E27 840
Full product code	871869963816000
Order code	929002006202
Material Nr. (12NC)	929002006202
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699638160
Numerator - Packs per outer box	6
EAN/UPC - Case	8718699638177

Dimensional drawing

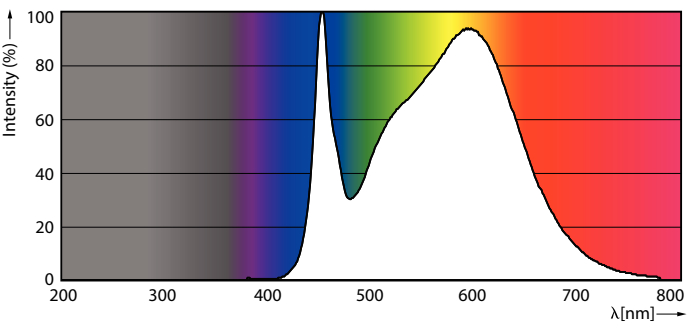


Product	D	C
TForce LED HPL ND 30-21W E27 840	75 mm	178 mm

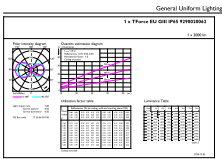
Photometric data



Light Distribution Diagram - TForce LED HPL ND 30-21W E27 840



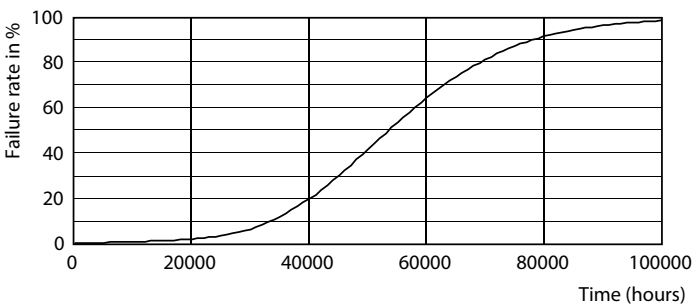
Spectral Power Distribution Colour - TForce LED HPL ND 30-21W E27 840



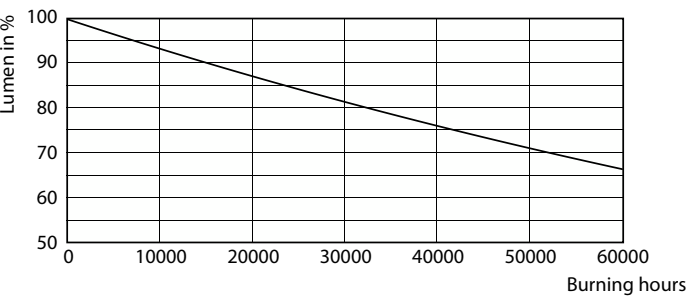
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General uniform lighting - TForce LED HPL ND 30-21W E27 840

Lifetime



Life Expectancy Diagram - TForce LED HPL ND 30-21W E27 840



Lumen Maintenance Diagram - TForce LED HPL ND 30-21W E27 840

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