



TrueForce LED Public (Urban/Road – HPL/SON)



TrueForce 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
- <https://www.assets.signify.com/is/content/Signify/phl-led-hid-eu-compatibility-list-professional>

Product data

General Information		Operating and Electrical	
Cap base	E27	Colour designation	Cool White (CW)
Nominal lifetime	50,000 h	Correlated Colour Temperature (Nom)	4000 K
Switching Cycle	50,000	Luminous efficacy (rated) (nom.)	142 lm/W
Lighting Technology	LED	Colour consistency	<6
Flux measurement reference	Sphere	Colour rendering index (CRI)	80
Light Technical		LLMF at end of nominal lifetime (nom.)	70 %
Colour Code	840 [CCT of 4000K]	Photobiological safety according to EN 62471	RG1
Beam angle (nom.)	360 degree(s)	Operating and Electrical	
Luminous Flux	3,000 lm	Line Frequency	50 to 60 Hz
		Input frequency	50 to 60 Hz

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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
Ballast Compatibility	EM/Mains
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 Compensation Capacitor.	58
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	8
Max. lamp no. on MCB B type 16A — Mains	93
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	93
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	14

Temperature

T-Case maximum (nom.)	55 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Lamp Finish	Clear
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Bulb shape	Others
Net Weight (Piece)	0.370 kg

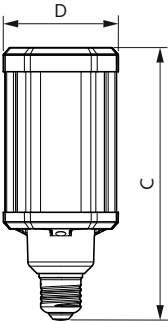
Approval and Application

Energy Efficiency Class	D
Energy consumption kWh/1,000 hours	21 kWh
EPREL Registration Number	403569
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	1.6
Ambient temperature range	-30 to +45 °C

Product Data

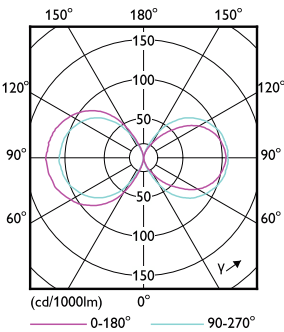
Order product name	TForce LED HPL ND 30-21W E27 840
Full product name	TrueForce LED HPL ND 30-21W E27 840
Full EOC	871869963816000
Order code	63816000
Material no. (12 NC)	929002006202
Numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699638160
Numerator – packs per outer box	6
EAN/UPC - Case	8718699638177

Dimensional drawing

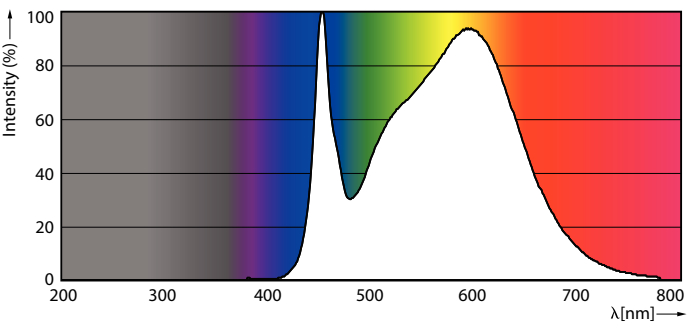


Product	D	C
TForce LED HPL ND 30-21W E27 840	75 mm	178 mm

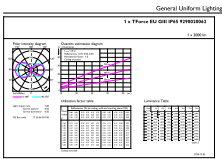
Photometric data



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



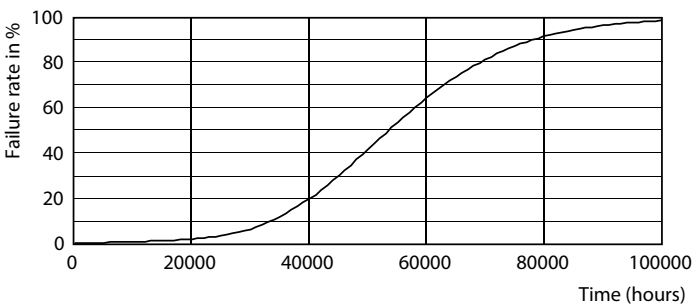
Spectral Power Distribution Colour - TForce LED HPL ND 30-21W E27 840



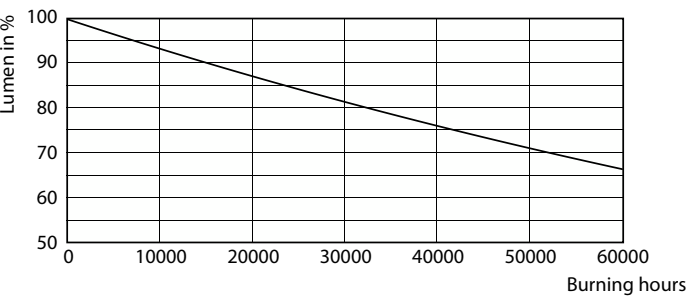
General uniform lighting - TForce LED HPL ND 30-21W E27 840

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

Lifetime



LEDTrueForce Others 360



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

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