



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



TForce LED HPL ND 28-21W E27 830

MASTER, LED HPL, Corn cob, EM/Mains, 21 W, HPL 50W, SON 50W, E27, 3000 K, 2850 lm, CRI 80, 50000 h

MASTER, LED HPL, Corn cob, EM/Mains, 21 W, LED alternative to HPL 50W, SON 50W, E27, 3000 K, 2850 lm, CRI 80, 50000 h, 135 lm/W, EEL D, PF 0.95, Plastic, RG1, IP65, SVM 1.6, PstLM 1

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			
Cap base	E27	Luminous Flux	2,850 lm
Nominal lifetime	50,000 h	Colour designation	White (WH)
Switching Cycle	50,000	Correlated Colour Temperature (Nom)	3000 K
Lighting Technology	LED HPL	Luminous efficacy (rated) (nom.)	135 lm/W
Flux measurement reference	Sphere	Colour consistency	<6
Warranty period	8 years	Colour rendering index (CRI)	80
		LLMF at end of nominal lifetime (nom.)	70 %
		Photobiological safety according to EN 62471	RG1
Light Technical		Operating and Electrical	
Colour Code	830 [CCT of 3000K]	Line Frequency	50 to 60 Hz
Beam angle (nom.)	360 degree(s)		

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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 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
Wattage Equivalent (LED HID only)	HPL 50W, SON 50W
Ballast Compatibility	EM/Mains

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
Bulb material	Plastic
Bulb shape	Corn cob

Net Weight (Piece)	0.370 kg
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Approval and Application

Energy Efficiency Class	D
Energy-saving product	Yes
Energy consumption kWh/1,000 hours	21 kWh
EPREL Registration Number	403568
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	1.6
Ambient temperature range	-30 to +45 °C

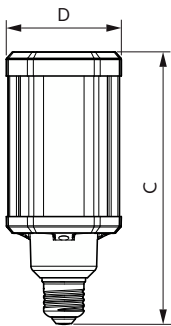
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	TForce LED HPL ND 28-21W E27 830
Full product name	TForce LED HPL ND 28-21W E27 830
Full EOC	871869963814600
Order code	929002006102
Material no. (12 NC)	929002006102
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699638146
Numerator – packs per outer box	6
EAN/UPC - Case	8718699638153

Dimensional drawing



Product	D	C
TForce LED HPL ND 28-21W E27 830	75 mm	178 mm

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