# **PHILIPS** Lighting



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

# TrueForce LED HPL ND 28-21W E27 830

Philips TrueForce LED lamps provide an easy LED solution with a fast payback to replace High-Intensity Discharge (HID) lamps. These lamps bring the energy efficiency and long lifetime benefits of LED to HID replacement, with a low initial investment delivering instant savings. With the right lamp size and light distribution, customers can easily retrofit TrueForce LED lamps into their existing system, thereby enhancing the light quality without having to change the fixtures or sacrifice the light effect.

#### **Product data**

General Information	
Cap base	E27 [ E27]
Nominal lifetime (nom.)	50000 h
Switching cycle	50000X
Technical type	21-80W
Light Technical	
Colour code	830 [ CCT of 3,000 K]
Beam Angle (Nom)	360 °
Luminous flux (nom.)	2850 lm
Luminous flux (rated) (nom.)	2850 lm
Colour designation	White (WH)
Correlated colour temperature (nom.)	3000 K
Luminous efficacy (rated) (nom.)	135.00 lm/W
Colour consistency	<6

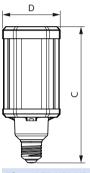
Color rendering index (nom.)	80
LLMF at end of nominal lifetime (nom.)	70 %
Operating and Electrical	
Input frequency	50 to 60 Hz
Power (Rated) (Nom)	21 W
Lamp current (nom.)	95 mA
Starting time (nom.)	0.45 s
Warm-up time to 60% light (nom.)	0.45 s
Power factor (nom.)	0.95
Voltage (Nom)	220-240 V
Temperature	
T-Case maximum (nom.)	80 °C

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Controls and Dimming		
Dimmable	No	
Mechanical and Housing		
Bulb finish	Clear (CL)	
Approval and Application		
Energy efficiency label (EEL)	A++	
Energy Consumption kWh/1000 h	21 kWh	
Product Data		
Full product code	871869963814600	

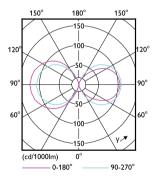
Order product name	TrueForce LED HPL ND 28-21W E27 830
EAN/UPC – product	8718699638146
Order code	63814600
Numerator – quantity per pack	1
Numerator – packs per outer box	6
Material no. (12NC)	929002006102
Net weight (piece)	0.370 kg

#### Dimensional drawing

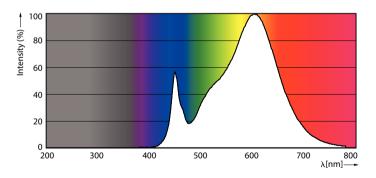


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#### Photometric data

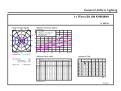


Product	D	С
TrueForce LED HPL ND 28-21W E27 830	75 mm	178 mm



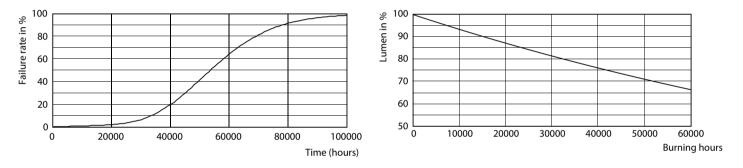
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#### Photometric data



LEDTrueForce E27 21W 3000K

#### Lifetime





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