



# 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) 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

### Product data

General information		Color Designation	
Cap-Base	E27 [ E27]	Color Designation	White (WH)
EU RoHS compliant	Yes	Correlated Color Temperature (Nom)	3000 K
Nominal Lifetime (Nom)	50000 h	Luminous Efficacy (rated) (Nom)	135 lm/W
Switching Cycle	50000	Color Consistency	<6
Technical Type	21-80W	Color Rendering Index (Nom)	80
Flux measurement reference	Sphere	LLMF At End Of Nominal Lifetime (Nom)	70 %
Light technical		Operating and electrical	
Color Code	830 [ CCT of 3000K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	360 °	Power (Nom)	21 W
Luminous Flux (Nom)	2850 lm	Lamp Current (Nom)	95 mA
		Wattage Equivalent	50 W

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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-Ambient (Max)	55 °C
T-Ambient (Min)	-40 °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

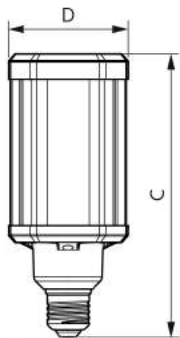
### Approval and application

Energy Efficiency Class	D
Energy Consumption kWh/1000 h	21 kWh
EPREL Registration Number	403568

### Product data

Full product code	871869963814600
Order product name	TrueForce LED HPL ND 28-21W E27 830
EAN/UPC - Product	8718699638146
Order code	929002006102
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929002006102
Net Weight (Piece)	0.370 kg

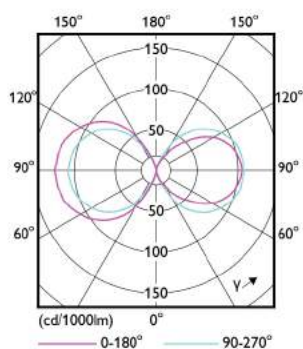
## Dimensional drawing



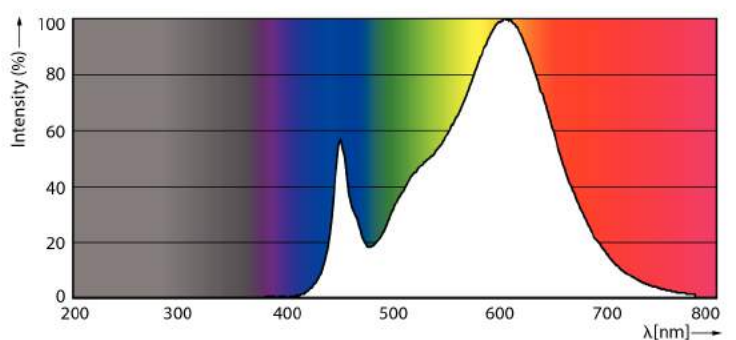
TrueForce LED HPL ND 28-21W E27 830

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

## Photometric data



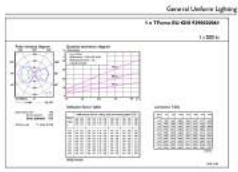
LEDTrueForce E27 360



LEDTrueForce E27 21W 3000K

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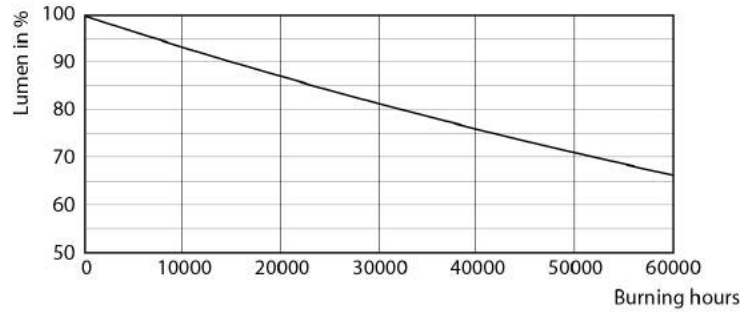
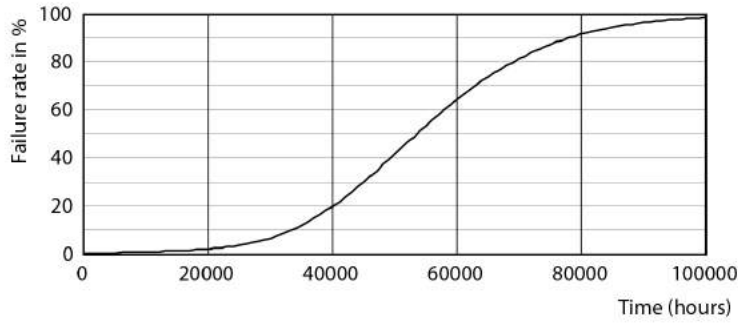
## Photometric data



General Lighting  
Philips Lighting B.V.  
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### LEDTrueForce E27 21W 3000K

## Lifetime



### LEDTrueForce Others 360

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