# **PHILIPS** Lighting



### TrueForce - LED HID HPL

### TForce LED HPL ND 40-28W 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

#### **Product data**

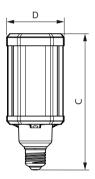
eral Information		Color rendering index (CRI)	80
Cap-Base	E27 [E27]	LLMF At End Of Nominal Lifetime (Nom)	70 %
Nominal lifetime	50,000 hour(s)		
witching Cycle	50,000	Operating and Electrical	
ghting Technology	LED	Line Frequency	50 to 60 Hz
Flux measurement reference	Sphere	Input Frequency	50 to 60 Hz
		Power Consumption	28 W
ight Technical		Lamp Current (Nom)	125 mA
olor Code	840 [CCT of 4000K]	Wattage Equivalent	80 W
eam Angle (Nom)	360 degree(s)	Starting Time (Nom)	0.45 s
uminous Flux	4,000 lumen	Warm-up time to 60% light	0.45 s
Color Designation	Cool White (CW)	Power Factor (Fraction)	0.95
Correlated Color Temperature (Nom)	4000 K	Voltage (Nom)	220-240 V
uminous Efficacy (rated) (Nom)	142 lm/W		
olor Consistency	<6		

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Temperature	
Ambient temperature range	-40 °C to 55 °C
T-Case Maximum (Nom)	60 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	Others
Approval and Application	
Energy Consumption kWh/1000 h	28 kWh
EPREL Registration Number	403,571

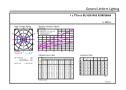
CE mark	Yes	
EU RoHS compliant	Yes	
Product Data		
Full product code	871869963820700	
Order product name	TForce LED HPL ND 40-28W E27 840	
Order code	929002006402	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	6	
Material number (12NC)	929002006402	
Full product name	TForce LED HPL ND 40-28W E27 840	
EAN/UPC - Case	8718699638214	

#### Dimensional drawing

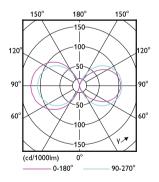


## Product D C TForce LED HPL ND 40-28W E27 840 75 mm 178 mm

#### Photometric data



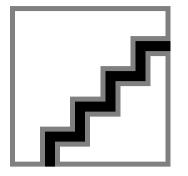
works 45 Philips Lighting B.V.



Light Distribution Diagram - TForce LED HPL ND 40-28W E27 840

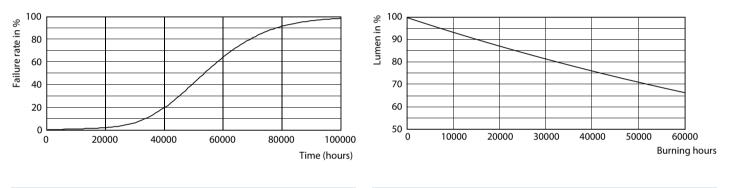
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#### Photometric data



Spectral Power Distribution Colour - TForce LED HPL ND 40-28W E27 840

#### Lifetime



Life Expectancy Diagram - TForce LED HPL ND 40-28W E27 840

Lumen Maintenance Diagram - TForce LED HPL ND 40-28W E27 840



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