



# TrueForce Core LED Industrial and Retail (Highbay – HPI/SON/HPL)

### TrueForce Core HB MV ND 28-24W E27 840

Philips TrueForce Core LED I&R lamps offer an easy and short payback LED solution to replace High Intensity Discharge (HID) lamps. The products bring the energy efficiency and long lifetime benefits of LED to HID replacement and provide instant saving and low initial investment. With the right lamp size and light distribution, you can easily retrofit TrueForce Core LED I&R lamps and bypass the existing ballast while enhancing the lighting quality.

#### **Product data**

General Information	
Cap-Base	E27 [E27]
Nominal lifetime	20,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	2,800 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K

Luminous Efficacy (rated) (Nom)	116.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	24 W
Lamp Current (Nom)	250 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.5

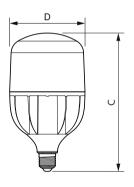
Datasheet, 2023, April 29 data subject to change

# TrueForce Core LED Industrial and Retail (Highbay - HPI/SON/HPL)

Voltage (Nom)	220-240 V
Temperature	
T-Case Maximum (Nom)	90 ℃
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T-shape
Approval and Application	
Energy Consumption kWh/1000 h	24 kWh

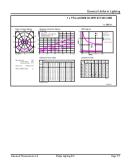
Product Data		
Order product name	TForce Core HB MV ND 28-24W E27 840	
Full product name	TrueForce Core HB MV ND 28-24W E27 840	
Full product code	871869959730600	
Order code	59730600	
Material Nr. (12NC)	929001937702	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718699597306	
Numerator - Packs per outer box	6	
EAN/UPC - Case	8718699597313	

## Dimensional drawing

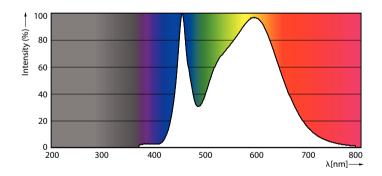


Product	D	С
TForce Core HB MV ND 28-24W E27 840	105 mm	190 mm

#### Photometric data



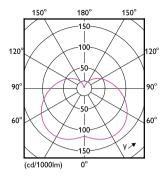
General uniform lighting - TForce Core HB MV ND 28-24W E27 840



Spectral Power Distribution Colour - TForce Core HB MV ND 28-24W E27 840

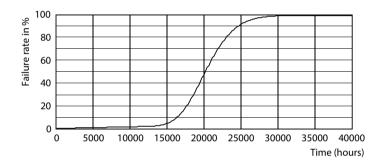
## TrueForce Core LED Industrial and Retail (Highbay - HPI/SON/HPL)

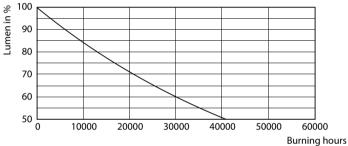
#### Photometric data



Light Distribution Diagram - TForce Core HB MV ND 28-24W E27 840

### Lifetime





Life Expectancy Diagram - TForce Core HB MV ND 28-24W E27 840

Lumen Maintenance Diagram - TForce Core HB MV ND 28-24W E27 840



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.