



# 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

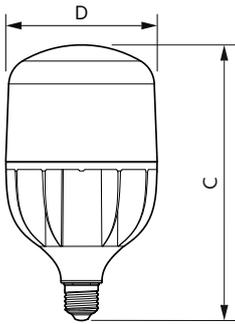
General Information		Luminous Efficacy (rated) (Nom)	
Cap-Base	E27 [E27]		116.00 lm/W
Nominal lifetime	20,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color rendering index (CRI)	80
Lighting Technology	LED	LLMF At End Of Nominal Lifetime (Nom)	70 %
EU RoHS compliant	Yes	Operating and Electrical	
Light Technical		Line Frequency	50 to 60 Hz
Color Code	840 [CCT of 4000K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	240 degree(s)	Power Consumption	24 W
Luminous Flux	2,800 lm	Lamp Current (Nom)	250 mA
Color Designation	Cool White (CW)	Starting Time (Nom)	0.5 s
Correlated Color Temperature (Nom)	4000 K	Warm-up time to 60% light	0.5 s
		Power Factor (Fraction)	0.5

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

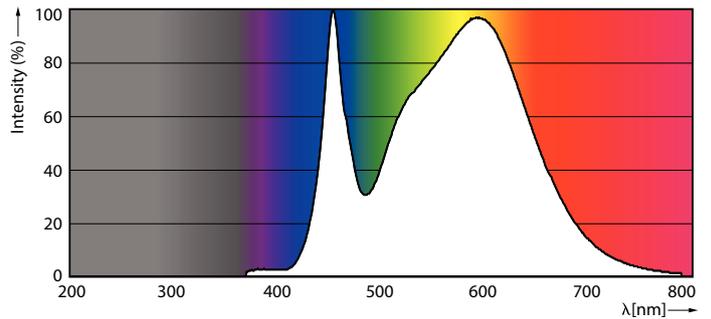
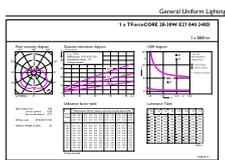
<b>Product Data</b>	
Order product name	TForce Core HB MV ND 28-24W E27 840
Full product name	TrueForce Core HB MV ND 28-24W E27 840
Full product code	871869959730600
Order code	59730600
Material Nr. (12NC)	929001937702
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699597306
Numerator -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

## Dimensional drawing



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

## Photometric data

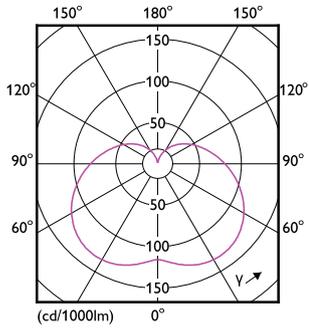


General uniform lighting - TForce Core HB MV ND 28-24W E27 840

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

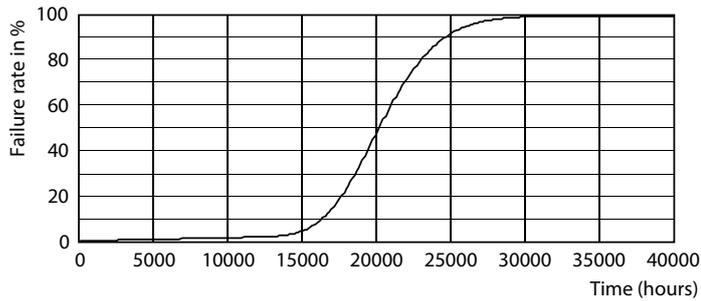
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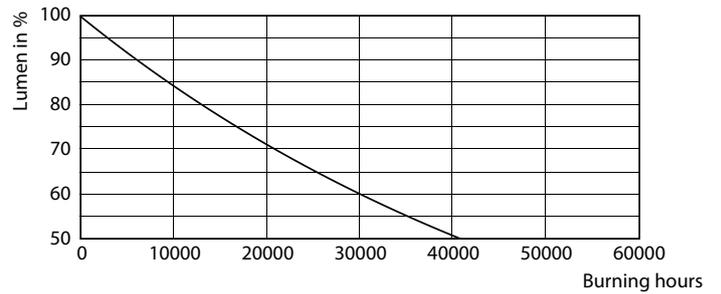


Light Distribution Diagram - TForce Core HB MV ND 28-24W E27 840

## 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

