



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

## TForce 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

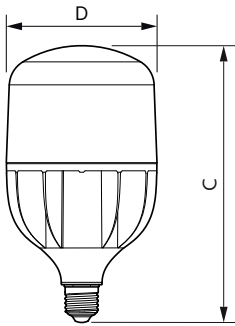
General Information		Luminous Efficacy (rated) (Nom)	
Cap-Base	E27 [E27]		116.00 lm/W
Nominal lifetime	20,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color rendering index (CRI)	80
Lighting Technology	LED	LLMF At End Of Nominal Lifetime (Nom)	70 %
EU RoHS compliant	Yes		
Light Technical	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

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

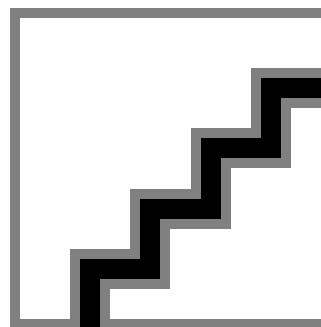
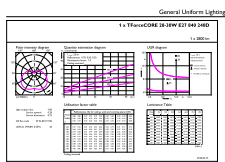
<b>Product Data</b>	
<b>Order product name</b>	TForce Core HB MV ND 28-24W E27 840
<b>Full product name</b>	TForce Core HB MV ND 28-24W E27 840
<b>Full product code</b>	871869959730600
<b>Order code</b>	929001937702
<b>Material Nr. (12NC)</b>	929001937702
<b>Numerator - Quantity Per Pack</b>	1
<b>EAN/UPC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

## Dimensional drawing



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

## Photometric data

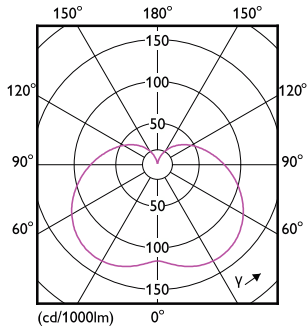


General uniform lighting - TForce Core HB MV ND 28-24W E27 840

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

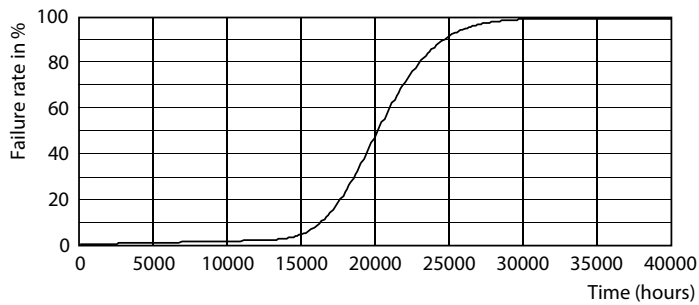
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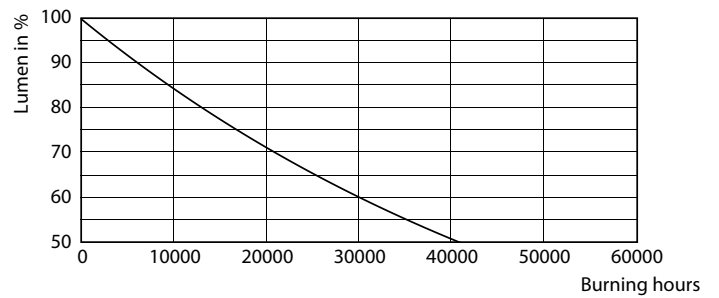


Light Distribution Diagram - TForce Core HB MV ND 28-24W E27 840

## 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

