



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

## TrueForce Core HB 200-160W E40 840 NB GM

Philips TrueForce LED Industrial and Retail lamps give you a quick and easy payback solution to replace HID lamps in Highbay application. The solution gives you the LED benefits of energy-efficiency and long-lifetime, plus they come for a low initial investment. With unique lamp design and compatibility, you can directly retrofit HID lamps with TrueForce LED lamps without changing the fixtures or gear. Multiple beam angle options and high colour rendering index enhance the lighting distribution while creating a comfortable, safe and high productivity environment.

### Product data

General Information	
Cap-Base	E40 [ E40]
Nominal Lifetime (Nom)	25000 h
Switching Cycle	50000X
Technical Type	160-400W

Light Technical	
Color Code	841 [ CCT of 4100K (841)]
Beam Angle (Nom)	70 °
Luminous Flux (Nom)	20000 lm
Luminous Flux (Rated) (Nom)	20000 lm
Color Designation	Cool White (CW)

Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	125.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Input Frequency	50 to 60 Hz
Power (Rated) (Nom)	160 W
Lamp Current (Nom)	1900 mA
Wattage Equivalent	400 W
Starting Time (Nom)	0.7 s

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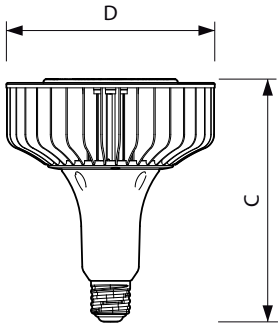
Warm Up Time to 60% Light (Nom)	0.7 s
Power Factor (Nom)	0.9
Lamp Current at 220V	1900 mA
Voltage (Nom)	110-277 V
<b>Temperature</b>	
T-Case Maximum (Nom)	100 °C
<b>Controls and Dimming</b>	
Dimmable	No
<b>Mechanical and Housing</b>	
Bulb Finish	FR [ Frosted (FR)]
<b>Approval and Application</b>	
Energy Efficiency Label (EEL)	A+

<b>Product Data</b>	
Full product code	871869676932400
Order product name	TrueForce Core HB 200-160W E40 840 NB GM
EAN/UPC - Product	8718696769324
Order code	929001812408
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	2
Material Nr. (12NC)	929001812408
Net Weight (Piece)	1.300 kg

## Warnings and Safety

- EM version requires an EM ballast to operate. Please refer to the installation guide or consult a Philips Lighting representative.

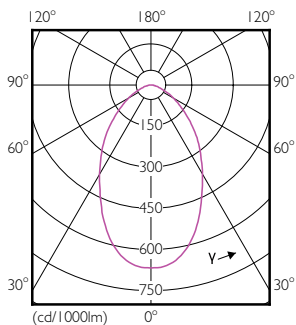
## Dimensional drawing



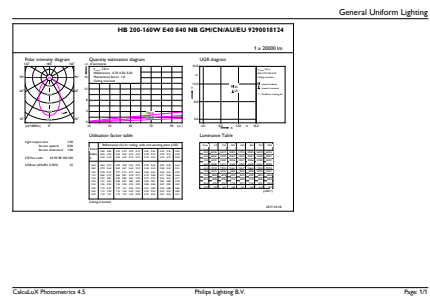
Bulb T50 180-400W 20000lm 4000K E40 ND

Product	D	C
TrueForce Core HB 200-160W E40 840 NB GM	211 mm	263 mm

## Photometric data



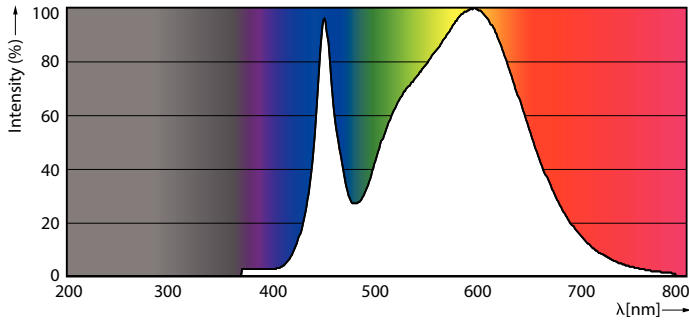
LED TForce HB MV 200-160W E40 T50 Frosted 840 6D ND NB



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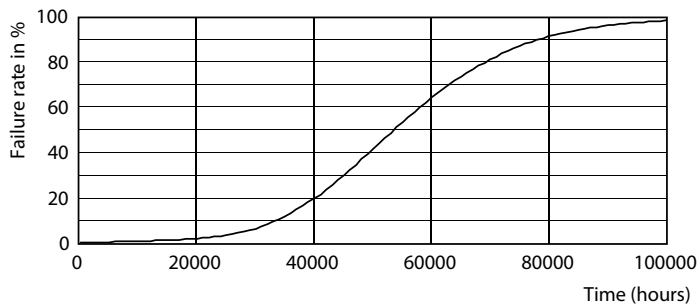
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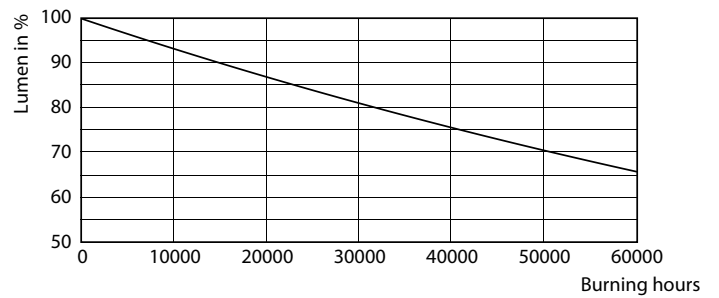


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## Lifetime



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