



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

## TrueForce LED HPI ND 200-145W E40 840 60D

Philips TrueForce LED Industrial and Retail lamps give you a quick and easy payback solution to replace HID lamps in High-bay applications. The solution gives you the LED benefits of energy-efficiency and long-lifetime, plus the initial investment is low. 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.

### Warnings and Safety

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

### Product data

General Information		Lamp Luminous Flux 25°C EL (Nom)	
Cap base	E40 [ E40]		20000 lm
EU RoHS compliant	Yes	Colour Designation	Cool White (CW)
Nominal lifetime (nom.)	50000 h	Colour Temperature, horizontal (Nom)	4000 K
Switching cycle	50,000X	Lamp Luminous Efficacy EM (Nom)	137.00 lm/W
Technical type	145-400W	Colour consistency	<6
		Colour Rendering Index, horiz (Nom)	80
		LLMF at end of nominal lifetime (nom.)	70 %
Light Technical		Operating and Electrical	
Colour Code	840 [ CCT of 4,000 K]	Input frequency	50 Hz
Technical Beam Angle (Nom)	60 °		

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Power (Rated) (Nom)	145 W
Lamp current (nom.)	3900 mA
Wattage equivalent	400 W
Starting time (nom.)	0.7 s
Warm-up time to 60% light (nom.)	0.7 s
Power factor (nom.)	0.7
Voltage (Nom)	100-145 V

## Temperature

T-Case maximum (nom.)	95 °C
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## Controls and Dimming

Dimmable	No
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## Approval and Application

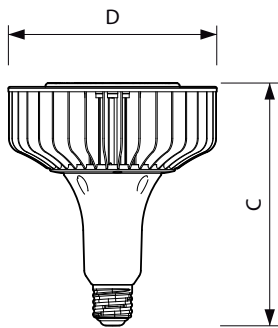
Energy efficiency label (EEL)	A+
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Energy consumption kWh/1,000 hours	160 kWh
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## Product Data

Full product code	871869671386000
Order product name	TrueForce LED HPI ND 200-145W E40 840 60D
EAN/UPC – product	8718696713860
Order code	929001357002
Numerator – quantity per pack	1
SAP numerator – packs per outer box	2
Material no. (12 NC)	929001357002
Net Weight (Piece)	1.300 kg

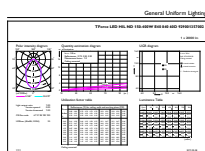
## Dimensional drawing



TForce LED HIL ND 150-400W E40 840 60D

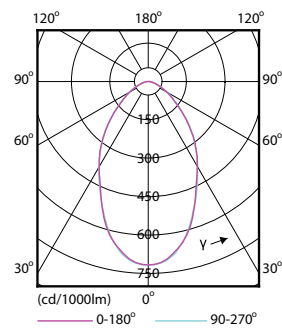
Product	D	C
TrueForce LED HPI ND 200-145W E40 840 60D	210 mm	250 mm

## Photometric data



General Luminaire Lighting  
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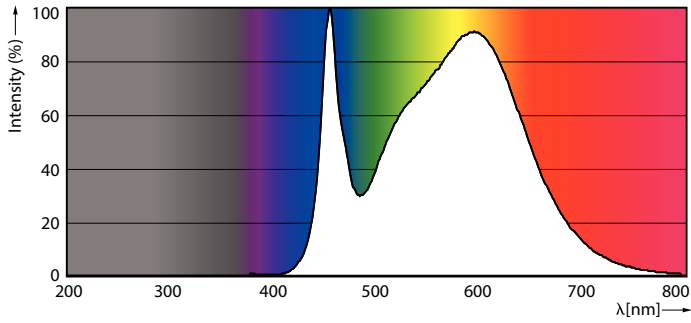
400W E40 Others ND 60D 840 4000K



400W E40 Others ND 60D 840 4000K

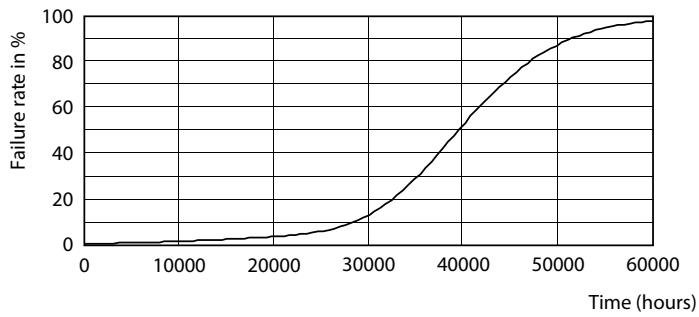
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## Photometric data

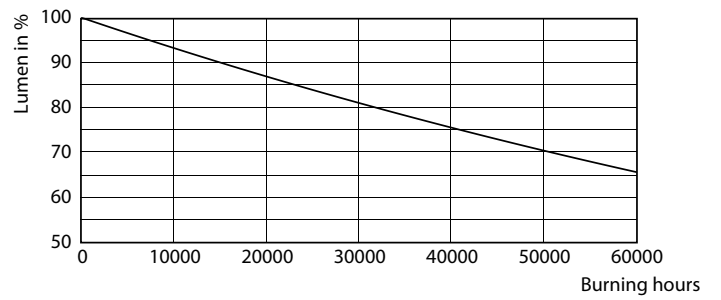


400W E40 Others ND

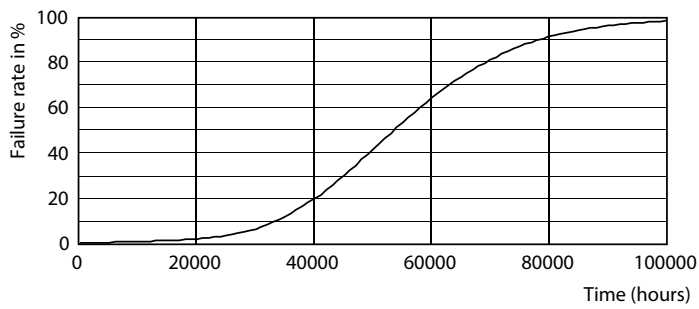
## Lifetime



400W E40 Others ND



400W E40 Others ND



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