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	
Cap base	E40 [E40]
Nominal lifetime	50,000 h
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	60 degree(s)

Luminous Flux	20,000 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	137.00 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %

Operating and Electrical	
Line Frequency	50 Hz

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Input frequency	50 Hz
Power Consumption	145 W
Lamp current (nom.)	3,900 mA
Starting time (nom.)	0.7 s
Warm-up time to 60% light	0.7 s
Power Factor (Fraction)	0.7
Voltage (nom.)	100-145 V

Temperature	
T-Case maximum (nom.)	95 °C

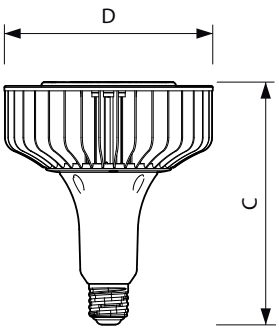
Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb shape	Others

Approval and Application	
Energy consumption kWh/1,000 hours	160 kWh

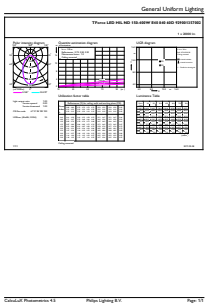
Product Data	
Order product name	TForce LED HPI ND 200-145W E40 840 60D
Full product name	TrueForce LED HPI ND 200-145W E40 840 60D
Full EOC	871869671386000
Order code	71386000
Material no. (12 NC)	929001357002
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696713860
Numerator – packs per outer box	2
EAN/UPC - Case	8718696713877

Dimensional drawing

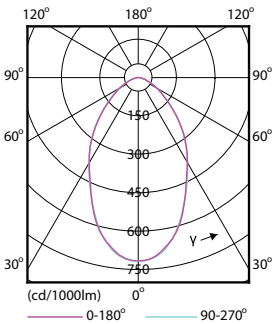


Product	D	C
TForce LED HPI ND 200-145W E40 840 60D	210 mm	250 mm

Photometric data



General uniform lighting - TForce LED HPI ND 200-145W E40 840 60D



Light Distribution Diagram - TForce LED HPI ND 200-145W E40 840 60D

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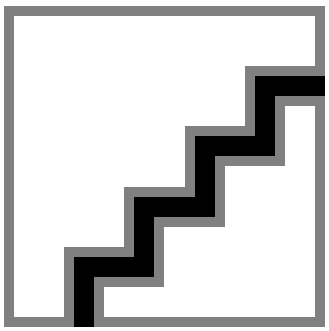
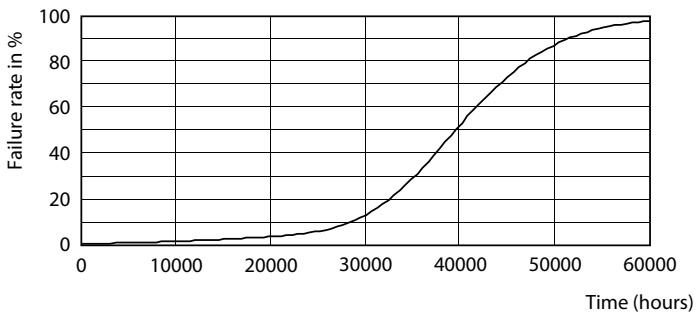
Photometric data

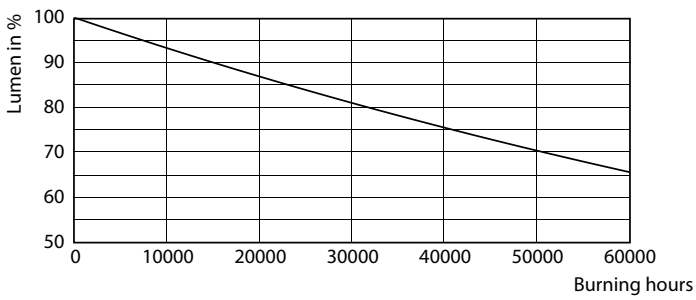


Spectral Power Distribution Colour - TForce LED HPI ND 200-145W E40 840 60D

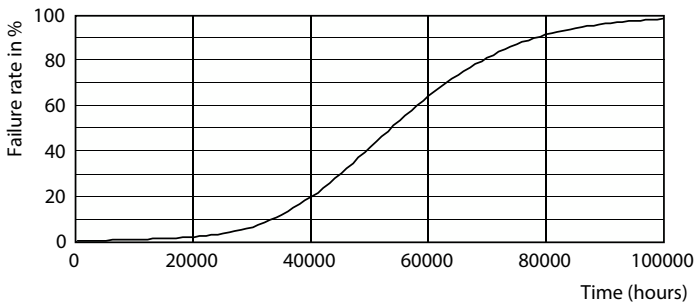
Lifetime



Life Expectancy Diagram - TForce LED HPI ND 200-145W E40 840 60D



Lumen Maintenance Diagram - TForce LED HPI ND 200-145W E40 840 60D



Life Expectancy Diagram - TForce LED HPI ND 200-145W E40 840 60D

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www.lighting.philips.com
2023, April 29 - data subject to change