

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

TrueForce LED HPI ND 200-145W E40 840 120D

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.

Product data

General Information	
Cap base	E40 [E40]
Nominal lifetime (nom.)	50000 h
Switching cycle	50000X
Technical type	145-400W

Light Technical	
Colour code	840 [CCT of 4000K (841)]
Beam Angle (Nom)	120 °
Luminous flux (nom.)	20000 lm
Luminous flux (rated) (nom.)	20000 lm
Colour designation	Cool White (CW)
Correlated colour temperature (nom.)	4000 K
Luminous efficacy (rated) (nom.)	137.00 lm/W
Colour consistency	<6
Color rendering index (nom.)	80
LLMF at end of nominal lifetime (nom.)	70 %

Operating and Electrical	
Input frequency	50 Hz
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

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

Controls and Dimming	
Dimmable	No

Approval and Application	
Energy efficiency label (EEL)	A+
Energy Consumption kWh/1000 h	160 kWh

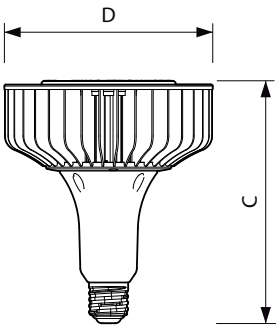
Product Data	
Full product code	871869671388400

Order product name	TrueForce LED HPI ND 200-145W E40 840 120D
EAN/UPC – product	8718696713884
Order code	71388400
Numerator – quantity per pack	1
Numerator – packs per outer box	2
Material no. (12NC)	929001357102
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.

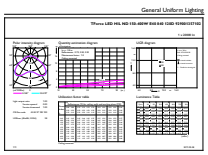
Dimensional drawing

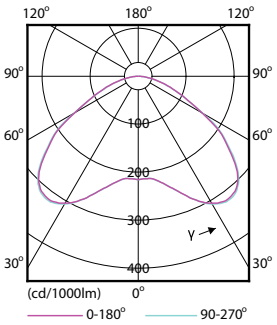


TForce LED HIL ND 150-400W E40 840 120D

Product	D	C
TrueForce LED HPI ND 200-145W E40 840 120D	210 mm	250 mm

Photometric data





400W E40 Others ND 120D 840 4000K

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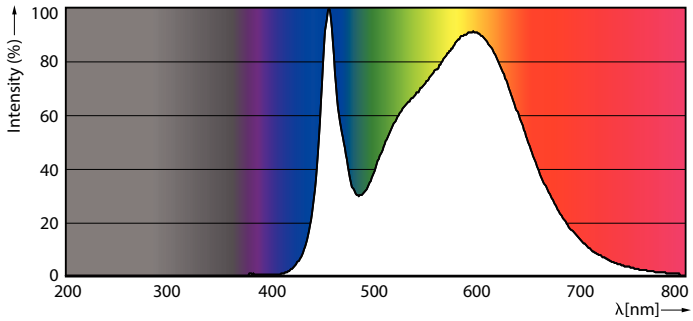
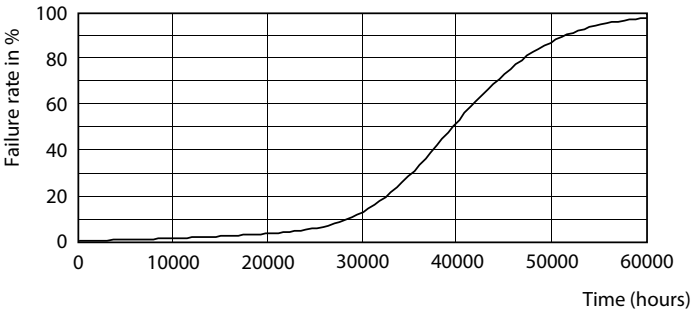
Photometric data

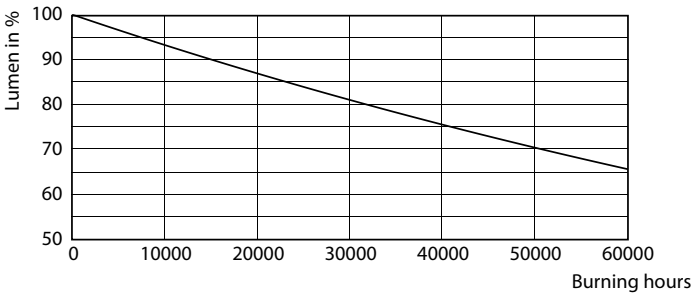


400W E40 Others ND

Lifetime



400W E40 Others ND



400W E40 Others ND

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