



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

TForce 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.

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]	Luminous Flux	20,000 lm
Nominal lifetime	50,000 hour(s)	Color Designation	Cool White (CW)
Switching Cycle	50,000	Correlated Color Temperature (Nom)	4000 K
Lighting Technology	LED	Luminous Efficacy (rated) (Nom)	137.00 lm/W
EU RoHS compliant	Yes	Color Consistency	<6
		Color rendering index (CRI)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
Light Technical		Operating and Electrical	
Color Code	840 [CCT of 4000K]	Line Frequency	50 Hz
Beam Angle (Nom)	120 degree(s)		

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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
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Shape	Others
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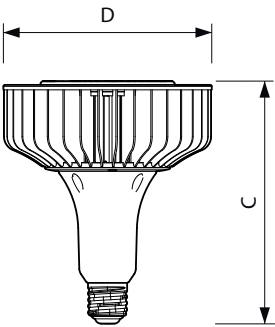
Approval and Application

Energy Consumption kWh/1000 h	160 kWh
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Product Data

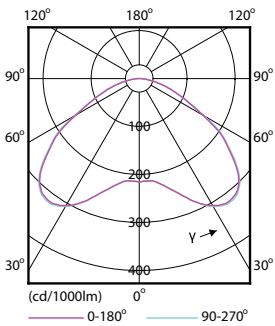
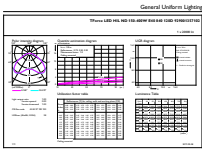
Order product name	TForce LED HPI ND 200-145W E40 840 120D
Full product name	TForce LED HPI ND 200-145W E40 840 120D
Full product code	871869671388400
Order code	929001357102
Material Nr. (12NC)	929001357102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696713884
Numerator - Packs per outer box	2
EAN/UPC - Case	8718696713891

Dimensional drawing



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

Photometric data



General uniform lighting - TForce LED HPI ND 200-145W E40 840 120D

Light Distribution Diagram - TForce LED HPI ND 200-145W E40 840 120D

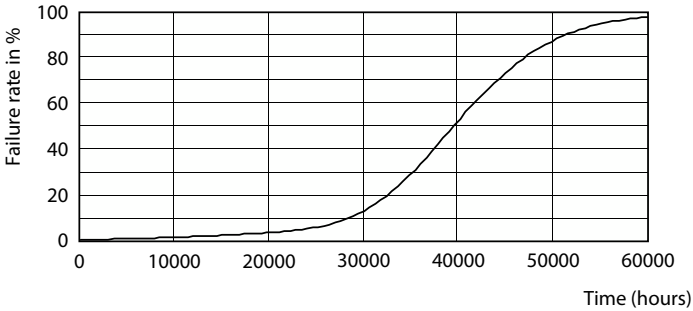
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Photometric data

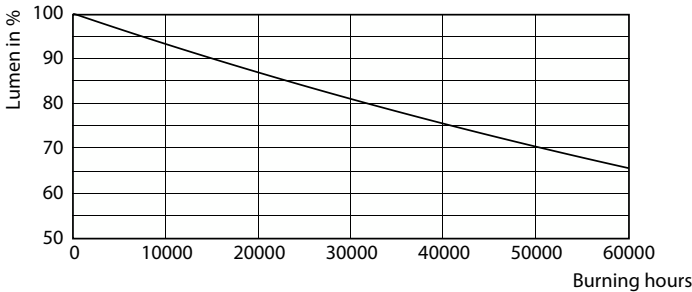


Spectral Power Distribution Colour - TForce LED HPI ND 200-145W E40 840 120D

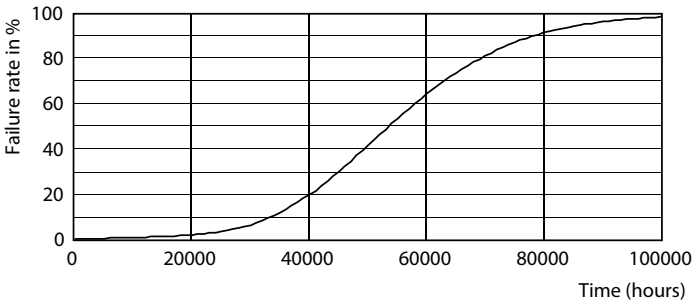
Lifetime



Life Expectancy Diagram - TForce LED HPI ND 200-145W E40 840 120D



Lumen Maintenance Diagram - TForce LED HPI ND 200-145W E40 840 120D



Life Expectancy Diagram - TForce LED HPI ND 200-145W E40 840 120D

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