



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

TrueForce LED HPI ND 110-88W E40 840 120D

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		Operating and Electrical	
Cap-Base	E40 [E40]	Correlated Color Temperature (Nom)	4000 K
Nominal Lifetime (Nom)	50000 h	Luminous Efficacy (rated) (Nom)	125.00 lm/W
Switching Cycle	50000X	Color Consistency	<6
Technical Type	88-250W	Color Rendering Index (Nom)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
Light Technical			
Color Code	840 [CCT of 4000K]	Input Frequency	50 Hz
Beam Angle (Nom)	120 °	Power (Rated) (Nom)	88 W
Luminous Flux (Nom)	11000 lm	Lamp Current (Nom)	2500 mA
Luminous Flux (Rated) (Nom)	11000 lm	Wattage Equivalent	250 W
Color Designation	Cool White (CW)	Starting Time (Nom)	1.2 s

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Warm Up Time to 60% Light (Nom)	1.2 s
Power Factor (Nom)	0.7
Voltage (Nom)	100-145 V
Temperature	
T-Case Maximum (Nom)	90 °C
Controls and Dimming	
Dimmable	No
Approval and Application	
Ingress protection code	IP40 [Wire-protected]
Energy Efficiency Label (EEL)	A+
Energy Consumption kWh/1000 h	97 kWh

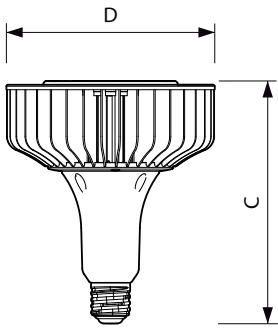
Product Data	
Full product code	871869671382200
Order product name	TrueForce LED HPI ND 110-88W E40 840 120D
EAN/UPC - Product	8718696713822
Order code	929001356902
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	2
Material Nr. (12NC)	929001356902
Net Weight (Piece)	1.300 kg

IP 40

Warnings and Safety

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

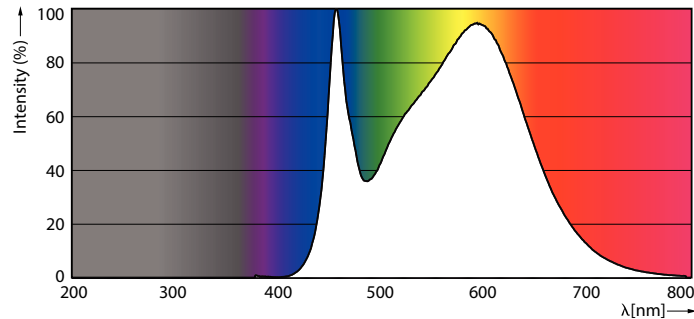
Dimensional drawing



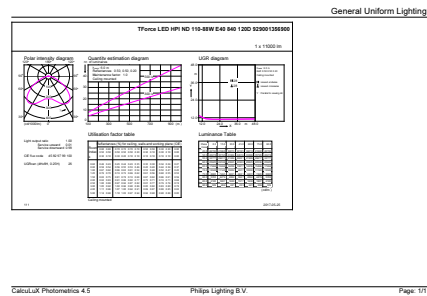
TForce LED HIL ND 90-250W E40 840 120D

Product	D	C
TrueForce LED HPI ND 110-88W E40 840 120D	210 mm	250 mm

Photometric data



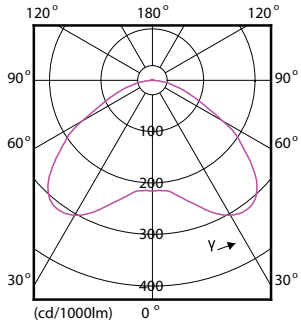
NAM Highbay 165W EX39 4000K 60-120D NB WB UDL



TrueForce LEDHIL HPI 250W E40 840 120D

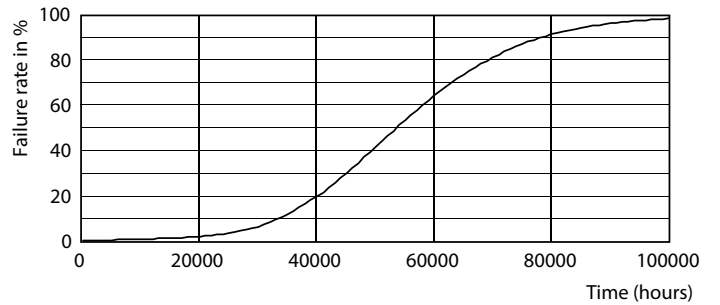
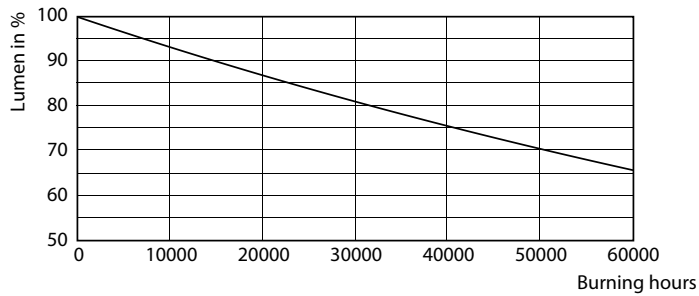
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Photometric data



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Lifetime



TrueForce LEDHIL HPI 250W E40 840 120D

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