



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

TrueForce LED HPI ND 110-88W 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.

Product data

General Information		Colour Rendering Index,horiz (Nom)	
Cap base	E40 [E40]		80
Nominal lifetime (nom.)	50000 h	LLMF at end of nominal lifetime (nom.)	70 %
Switching cycle	50000X	Operating and Electrical	
Technical type	88-250W	Input frequency	50 Hz
Light Technical		Technical Lamp Power (Nom)	88 W
Colour Code	840 [CCT of 4000K (841)]	Lamp current (nom.)	2500 mA
Technical Beam Angle (Nom)	60 °	Wattage equivalent	250 W
Lamp Luminous Flux 25°C EL (Nom)	11000 lm	Starting time (nom.)	1.2 s
Lamp Luminous Flux (Nom)	11000 lm	Warm-up time to 60% light (nom.)	1.2 s
Colour Designation	Cool White (CW)	Power factor (nom.)	0.7
Colour Temperature, horizontal (Nom)	4000 K	Voltage (nom.)	100-145 V
Lamp Luminous Efficacy EM (Nom)	125.00 lm/W		
Colour consistency	<6		

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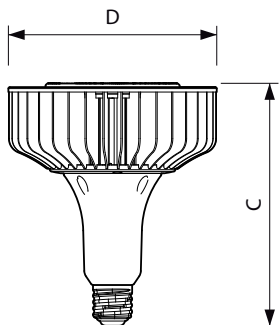
Temperature	
T-Case maximum (nom.)	90 °C
Controls and Dimming	
Dimmable	No
Approval and Application	
Energy efficiency label (EEL)	A+
Energy Consumption kWh/1000 h	97 kWh
Product Data	
Full product code	871869671378500

Order product name	TrueForce LED HPI ND 110-88W E40 840 60D
EAN/UPC – product	8718696713785
Order code	929001356802
Numerator – quantity per pack	1
Numerator – packs per outer box	2
Material no. (12NC)	929001356802
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.

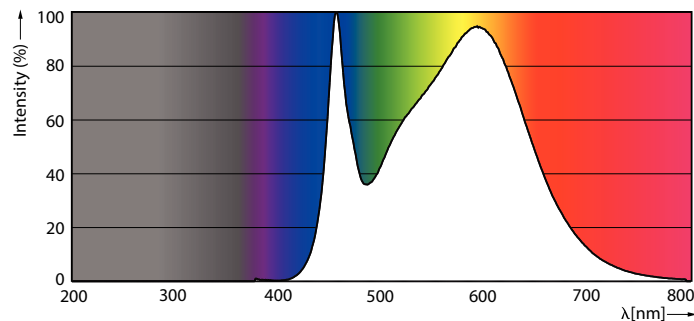
Dimensional drawing



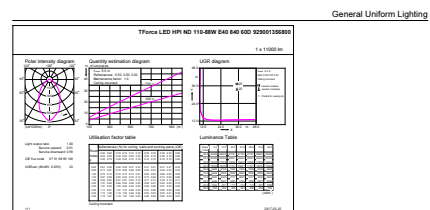
TrueForce LED HIL ND 90-250W E40 840 60D

Product	D	C
TrueForce LED HPI ND 110-88W E40 840 60D	210 mm	250 mm

Photometric data

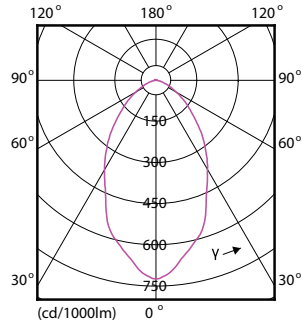


NAM Highbay 165W EX39 4000K 60-120D NB WB UDL



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Photometric data



Lifetime

