



# 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 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		Color rendering index (nom.)	
Cap base	E40 [ E40]		80
Nominal lifetime (nom.)	50000 h	LLMF at end of nominal lifetime (nom.)	70 %
Switching cycle	50000X	<b>Operating and Electrical</b>	
Technical type	88-250W	Input frequency	50 Hz
		Power (Rated) (Nom)	88 W
		Lamp current (nom.)	2500 mA
		Wattage equivalent	250 W
		Starting time (nom.)	1.2 s
		Warm-up time to 60% light (nom.)	1.2 s
		Power factor (nom.)	0.7
		Voltage (Nom)	100-145 V
Light Technical			
Colour code	840 [ CCT of 4000K (841)]		
Beam Angle (Nom)	120 °		
Luminous flux (nom.)	11000 lm		
Luminous flux (rated) (nom.)	11000 lm		
Colour designation	Cool White (CW)		
Correlated colour temperature (nom.)	4000 K		
Luminous efficacy (rated) (nom.)	125.00 lm/W		
Colour consistency	<6		

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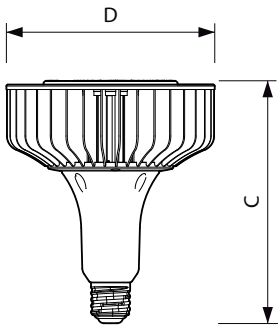
Temperature	
T-Case maximum (nom.)	90 °C
Controls and Dimming	
Dimmable	No
Approval and Application	
Energy efficiency label (EEL)	A+
Energy Consumption kWh/1000 h	97 kWh
Product Data	
Full product code	871869671382200

Order product name	TrueForce LED HPI ND 110-88W E40 840 120D
EAN/UPC – product	8718696713822
Order code	71382200
Numerator – quantity per pack	1
Numerator – packs per outer box	2
Material no. (12NC)	929001356902
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.

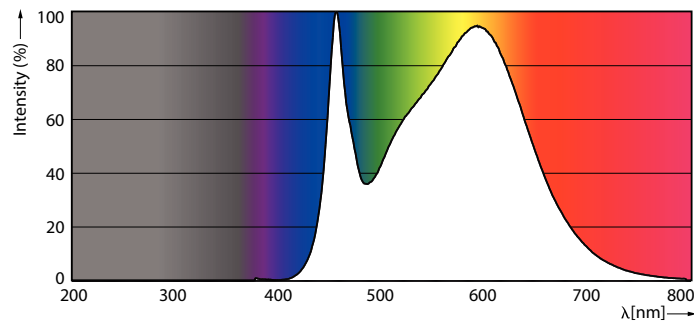
## Dimensional drawing



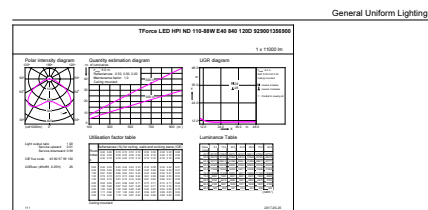
TrueForce LED HIL ND 90-250W E40 840 120D

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

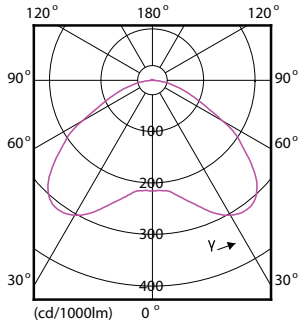


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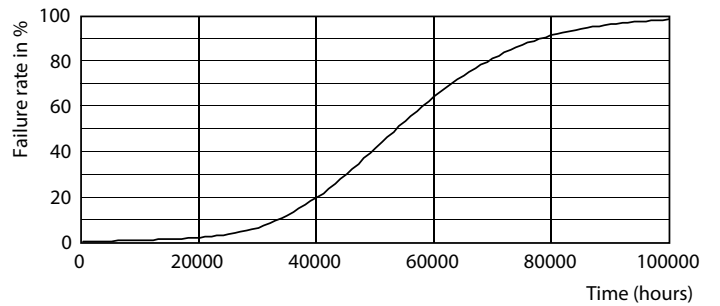
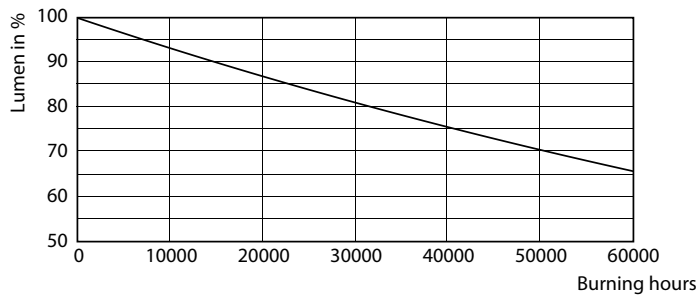
TrueForce LEDHIL HPI 250W E40 840 120D

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## Photometric data



## Lifetime



LedTrueForce

