PHILIPS Lighting



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

TrueForce Core HB MV ND 35W E27 840 G3

Philips TrueForce Core LED I&R lamps offer an easy and short payback LED solution to replace High Intensity Discharge (HID) lamps. The products bring the energy efficiency and long lifetime benefits of LED to HID replacement and provide instant saving and low initial investment. With the right lamp size and light distribution, you can easily retrofit TrueForce Core LED I&R lamps and bypass the existing ballast while enhancing the lighting quality.

Product data

General information	
Cap-Base	E27 [E27]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	15000 h
Switching Cycle	50000X
Technical Type	35-70W
Flux measurement reference	Sphere
Light technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	180 °
Luminous Flux (Nom)	5000 lm
Color Designation	Cool White (CW)

Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	142.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and electrical	
Input Frequency	50 to 60 Hz
Power (Nom)	35 W
Lamp Current (Nom)	178 mA
Wattage Equivalent	125 W
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s

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Power Factor (Nom)	0.9
Voltage (Nom)	220-240 V
Temperature	
T-Case Maximum (Nom)	80 °C
Controls and dimming	
Dimmable	No
Mechanical and housing	
Bulb Finish	Frosted
Bulb Shape	T-shape
Approval and application	
Energy Efficiency Class	D

EPREL Registration Number	403633		
Product data			
Full product code	871869978107100		
Order product name	TrueForce Core HB MV ND 35W E27 840 G3		
EAN/UPC - Product	8718699781071		
Order code	929002406702		
Numerator - Quantity Per Pack	1		
Numerator - Packs per outer box	6		
Material Nr. (12NC)	929002406702		
Net Weight (Piece)	0.164 kg		

35 kWh

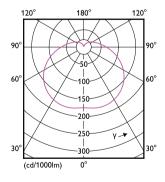
Energy Consumption kWh/1000 h

Dimensional drawing



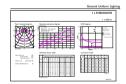
TrueForce Core HB MV ND 35W E27 840 G3

Photometric data



Light Distribution Diagram

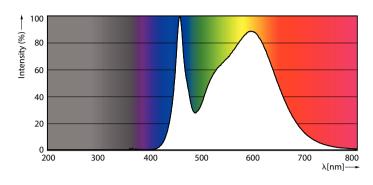
Product	D	с
TrueForce Core HB MV ND 35W E27 840 G3	118 mm	193 mm



General uniform lighting

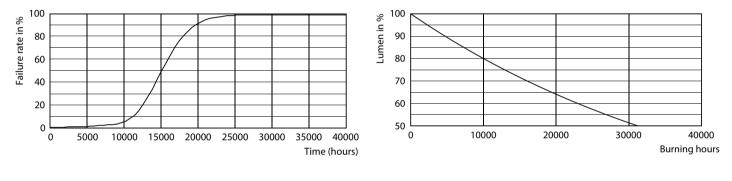
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Photometric data



Spectral Power Distribution Colour

Lifetime



Life Expectancy Diagram

Lumen Maintenance Diagram



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