



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

TForce Core HB MV ND 35W E27 830 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]
Nominal lifetime	15,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	180 degree(s)
Luminous Flux	4,800 lumen
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K

Luminous Efficacy (rated) (Nom)	137.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	35 W
Lamp Current (Nom)	178 mA
Wattage Equivalent	125 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s

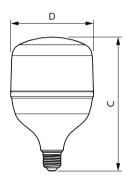
Datasheet, 2023, May 19 data subject to change

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Power Factor (Fraction)	0.9	
Voltage (Nom)	220-240 V	
Temperature		
Ambient temperature range	-20 °C to 45 °C	
T-Case Maximum (Nom)	76 °C	
Controls and Dimming		
Dimmable	No	
Mechanical and Housing		
Bulb Finish	Frosted	
Bulb Shape	T-shape	
Approval and Application		
Energy Consumption kWh/1000 h	35 kWh	

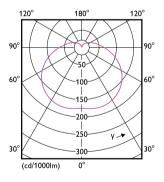
EPREL Registration Number	403,632
CE mark	Yes
EU RoHS compliant	Yes
Product Data	
Full product code	871869978105700
Order product name	TForce Core HB MV ND 35W E27 830 G3
Order code	929002406602
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material number (12NC)	929002406602
Full product name	TForce Core HB MV ND 35W E27 830 G3
EAN/UPC - Case	8718699781064
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Dimensional drawing

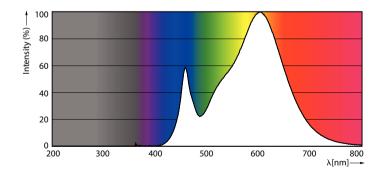


Product	D	С
TForce Core HB MV ND 35W E27 830 G3	118 mm	193 mm

Photometric data



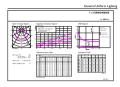
Light Distribution Diagram - TForce Core HB MV ND 35W E27 830 G3



Spectral Power Distribution Colour - TForce Core HB MV ND 35W E27 830 G3

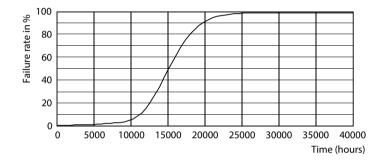
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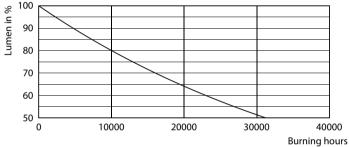
Photometric data



Calculus Photometrics 45 Philips Lighting B.V. Pages 191

Lifetime





Life Expectancy Diagram - TForce Core HB MV ND 35W E27 830 G3

Lumen Maintenance Diagram - TForce Core HB MV ND 35W E27 830 G3



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