PHILIPS Lighting



LED Highbay

65HB/LED/840/ND FB 4/1

Philips LED high bay lamps are a direct replacement for 250W to 400W metal halide lamps which will deliver substantial energy savings. Philips LED HighBays delivers bright, clean light for a fraction of the energy used by conventional HID.

Product data

General Information	
Cap-Base	EX39 [Exclusionary Mogul Screw
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	7,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	107.00 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	65 W
Lamp Current (Nom)	545 mA
Starting Time (Nom)	0.5 s

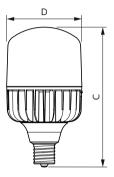
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-277 V
UL Type	Type B - bypass the ballast
Temperature	
T-Case Maximum (Nom)	98 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Finish Bulb Material	Frosted Plastic
Bulb Material	Plastic
Bulb Material	Plastic
Bulb Material Bulb Shape	Plastic
Bulb Material Bulb Shape Approval and Application	Plastic T-shape
Bulb Material Bulb Shape Approval and Application	Plastic T-shape
Bulb Material Bulb Shape Approval and Application Energy Consumption kWh/1000 h	Plastic T-shape
Bulb Material Bulb Shape Approval and Application Energy Consumption kWh/1000 h Product Data	Plastic T-shape - kWh
Bulb Material Bulb Shape Approval and Application Energy Consumption kWh/1000 h Product Data Order product name	Plastic T-shape - kWh 65HB/LED/840/ND FB 4/1
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LED Highbay

Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677542306
Numerator - Packs per outer box	4

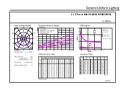
EAN/UPC - Case	50046677542301

Dimensional drawing

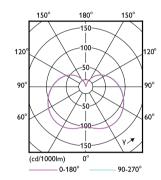


Product D C 65HB/LED/840/ND FB 4/1 141 mm 267 mm

Photometric data

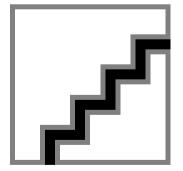


Philips Lighting B.V.



General uniform lighting - 65HB/LED/840/ND FB 4/1

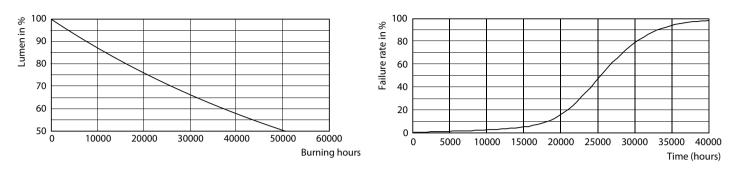
Light Distribution Diagram - 65HB/LED/840/ND FB 4/1



Spectral Power Distribution Colour - 65HB/LED/840/ND FB 4/1

LED Highbay

Lifetime



Lumen Maintenance Diagram - 65HB/LED/840/ND FB 4/1

Life Expectancy Diagram - 65HB/LED/840/ND FB 4/1



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www.lighting.philips.com 2023, November 16 - data subject to change