



# **LED Highbay**

# 38HB/LED/850/ND FB 6/1

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	E26 [Single Contact Medium Screw]	
Nominal lifetime	25,000 hour(s)	
Switching Cycle	50,000	
Lighting Technology	LED	
EU RoHS compliant	Yes	
Light Technical		
Color Code	850 [CCT of 5000K]	
Beam Angle (Nom)	200 degree(s)	
Luminous Flux	3,800 lm	
Color Designation	Daylight	
Correlated Color Temperature (Nom)	5000 K	
Luminous Efficacy (rated) (Nom)	100.00 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	38 W	
Lamp Current (Nom)	320 mA	
Starting Time (Nom)	0.5 s	

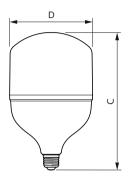
Warm-up time to 60% light	0.5 s	
Power Factor (Fraction)	0.92	
Voltage (Nom)	120 V	
UL Type	Type B - bypass the ballast	
Temperature		
T-Case Maximum (Nom)	90 °C	
Controls and Dimming		
Dimmable	No	
Mechanical and Housing		
Bulb Finish	Frosted	
Bulb Material	Plastic	
Bulb Shape	T-shape	
Approval and Application		
Energy Consumption kWh/1000 h	- kWh	
Product Data		
Order product name	38HB/LED/850/ND FB 6/1	
Full product name	38HB/LED/850/ND FB 6/1	
Order code	929001990104	
Material Nr. (12NC)	929001990104	

Datasheet, 2023, November 16 data subject to change

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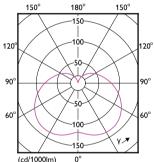
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677541965
Numerator - Packs per outer box	6

## Dimensional drawing



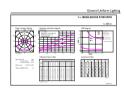
Product	D	С
38HB/LED/850/ND FB 6/1	138 mm	238 mm

## Photometric data



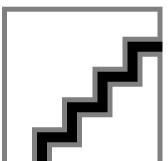


Light Distribution Diagram - 38HB/LED/850/ND FB 6/1



Calculus/Photometrics 4.5 Philips Lighting B.V. Page: 17

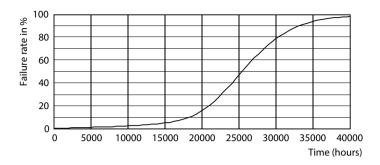
General uniform lighting - 38HB/LED/850/ND FB 6/1

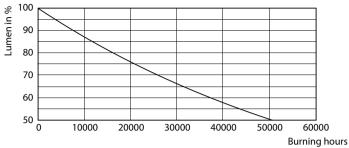


Spectral Power Distribution Colour - 38HB/LED/850/ND FB 6/1

## **LED Highbay**

## Lifetime





Life Expectancy Diagram - 38HB/LED/850/ND FB 6/1

Lumen Maintenance Diagram - 38HB/LED/850/ND FB 6/1



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