LED Highbay

145HB/LED/850/D WB UDL BB G2 4/1

MASTER, LED, Others, Mains only, 145 W, EX39 | Exclusionary Mogul Screw, 5000 K, 20000 lm, 50000 hour(s)

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	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Warranty period	5 years

Light Technical	
Color Code	850 [CCT of 5000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	20,000 lm
Color Designation	Daylight
Correlated Color Temperature (Nom)	5000 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	145 W
Lamp Current (Nom)	1,450 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	HIB_UL Type B (UL Listed+Classified)
Wattage Equivalent (LED HID only)	HPS 250W, MH 350W
Ballast Compatibility	Mains only

Temperature	
T-Case Maximum (Nom)	60 °C

Controls and Dimming	
Dimmable	Only with specific dimmers

Mechanical and Housing	
Bulb Finish	Clear
Bulb Material	Plastic

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Bulb Shape	Others
Net Weight (Piece)	1.250 kg

Approval and Application

Energy Saving Product	Yes
Energy Consumption kWh/1000 h	145 kWh
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C

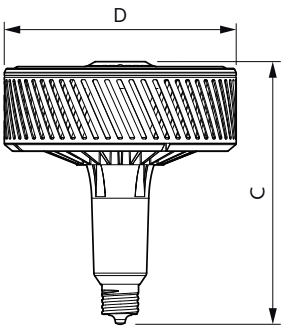
Application Conditions

can it be used in closed luminaires	Yes

Product Data

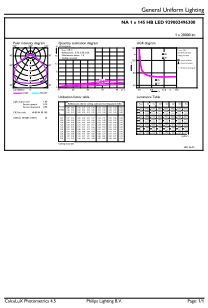
Order product name	145HB/LED/850/D WB UDL BB G2 4/1
Full product name	145HB/LED/850/D WB UDL BB G2 4/1
Order code	929002496304
Material Nr. (12NC)	929002496304
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677563967
Numerator - Packs per outer box	4
EAN/UPC - Case	50046677563962

Dimensional drawing

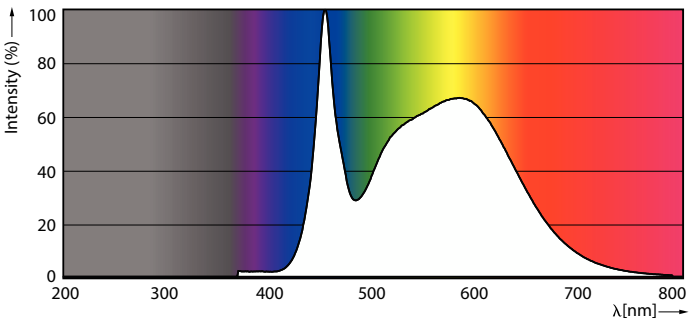


Product	D	C
145HB/LED/850/D WB UDL BB G2 4/1	250 mm	295 mm

Photometric data



General uniform lighting - 145HB/LED/850/D WB UDL BB G2 4/1



Spectral Power Distribution Colour - 145HB/LED/850/D WB UDL BB G2 4/1

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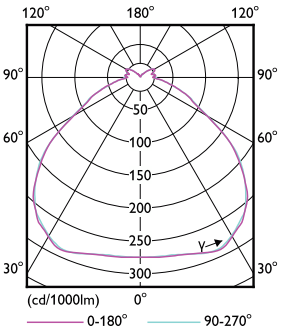
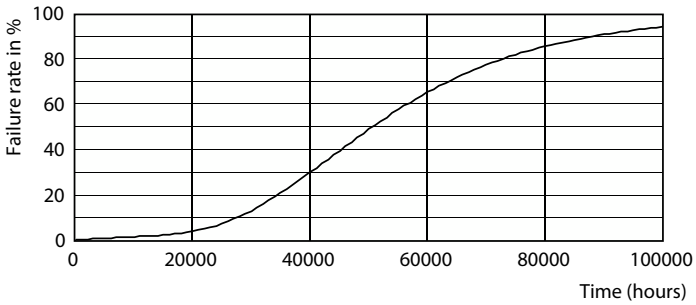
Photometric data

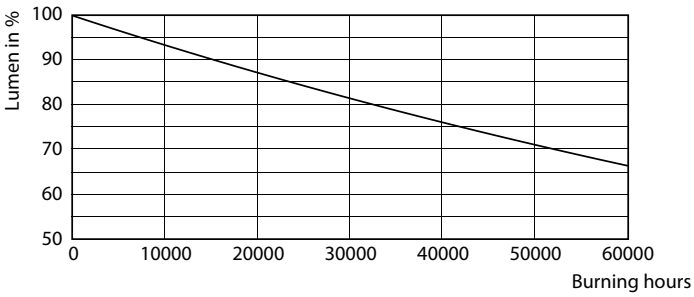


Light Distribution Diagram - 145HB/LED/850/D WB UDL BB G2 4/1

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - 145HB/LED/850/D WB UDL BB G2 4/1

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