PHILIPS Lighting

eW Blast Powercore gen4

BCP481 36xLED-HB/2700K 100-277V BK

2700 K - Narrow beam angle 6° - Black

eW Blast Powercore gen4 high-performance LED luminaires provide a high-intensity wash of white light with simplified installation. eW Blast Powercore gen4 offers a range of accessories that allow for customisable beam angles for floodlighting, spotlighting, wall washing and grazing, along with the efficiency and cost-effectiveness of Powercore technology in a rugged die-cast aluminum housing.

Product data

General Information

Lamp family code	LED-HB [LED High Brightness]
Light source colour	White
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	PSDMX [Power supply unit with DMX interface]
Optical cover/lens type	CLFT [Clear flat]
Luminaire light beam spread	6°
Protection class IEC	Safety class I (I)
CE mark	CE mark
UL mark	UL and cUL mark
Lifetime to 50% luminous flux	100000 h
Lifetime to 70% luminous flux	84000 h
Lifetime to 90% luminous flux	28000 h
Outdoor optic type	Narrow beam angle 6°
Constant light output	Yes

Accessory PFC	ZCP485

Operating and Electrical

Input voltage	100 to 277 V
Input frequency	50 to 60 Hz
Power factor (nom.)	0.9 @ 120 VAC, 0.85 @ 277 VAC

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Housing material	Aluminum die-cast
Optic material	Glass
Optical cover/lens material	Tempered glass
Fixation material	Aluminum
Mounting device	Baseplate
Optical cover/lens shape	Flat

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Optical cover/lens finish	Clear
Colour	Black

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Vibration standard	Complies with ANSI C136.31, 3G
	Complies with ANSI C136.31, 3G

Initial Performance (IEC Compliant)

Init. Corr. colour temperature	2700 K
Initial input power	50 W

Over Time Performance (IEC Compliant)

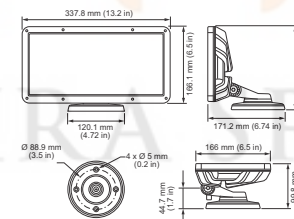|	
Lumen Maintenance 50% at 25°C Calculated	100000
Lumen Maintenance 50% at 25°C Reported	51000
Lumen Maintenance 50% at 50°C Calculated	100000
Lumen Maintenance 50% at 50°C Reported	51000
Lumen Maintenance 70% at 25°C Calculated	84000
Lumen Maintenance 70% at 25°C Reported	51000
Lumen Maintenance 70% at 50°C Calculated	83000
Lumen Maintenance 70% at 50°C Reported	51000
Lumen Maintenance 90% at 25°C Calculated	28000
Lumen Maintenance 90% at 25°C Reported	28000
Lumen Maintenance 90% at 50°C Calculated	27000
Lumen Maintenance 90% at 50°C Reported	28000

Application Conditions

Ambient temperature range	-40 to +50 °C

Product Data

Full product code	871829139288099
Order product name	BCP481 36xLED-HB/2700K 100-277V BK
EAN/UPC – product	8718291392880
Order code	39288099
Numerator – quantity per pack	1
Numerator – packs per outer box	2
Material no. (12NC)	912400134973
Net weight (piece)	4.146 kg

Dimensional drawing

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www.lighting.philips.com

2019, May 2 – data subject to change