eW Blast Powercore gen4

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eW Blast Powercore gen4, 4000 K, 100 – 277 VAC, 6° Native (no spread lens), Black housing

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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 customizable beam angles for floodlighting, spotlighting, wall washing, and grazing, along with the efficiency and cost-effectiveness of Powercore technology in a rugged die-cast aluminium housing.

Product data

General information

Lamp family code	LED-HB [LED High Brightness]
Light source color	White
Light source replaceable	No
Driver/power unit/transformer	Power supply unit with DMX interface
Optical cover/lens type	Clear flat
Luminaire light beam spread	6°
Protection class IEC	Safety class 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
Optic type outdoor	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

Controls and dimming

Dimmable	Yes

Mechanical and housing

Housing Material	Aluminum die cast
Optic material	Glass

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Optical cover/lens material	Tempered glass
Mounting device	Baseplate
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Color	Black

Approval and application

Ingress protection code	IP66 [Dust penetration–protected, jet–proof]
Energy Efficiency Class	G
Mech. impact protection code	IK10 [20 J vandal–resistant]
Vibration Standard	Complies with ANSI C136.31, 3G
Corrosion Resistance	Complies with ASTM B117 standard for > 1,500 hours
FCC mark	FCC Class B
Vibration Rating	Complies with ANSI C136.31, 3G
EPREL Registration Number	915341

Initial performance (IEC compliant)

Initial luminous flux (system flux)	3189 lm
Initial LED luminaire efficacy	65.8 lm/W
Init. Corr. Color Temperature	4000 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

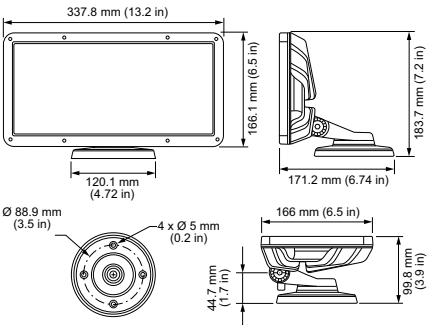|	
Lumen Maintenance 70% at 25°C Calculated	84000
Lumen Maintenance 70% at 25°C Reported	51000
Lumen Maintenance 70% at 50°C Calculated	83000
Lumen Maintenance 70% at 50°C Reported	51000
Lumen Maintenance 90% at 25°C Calculated	28000
Lumen Maintenance 90% at 25°C Reported	28000
Lumen Maintenance 90% 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	871829139292799
Order product name	BCP481 36xLED–HB/4000K 100–277V BK
EAN/UPC – Product	8718291392927
Order code	523–000100–05
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	2
Material Nr. (12NC)	912400134979
Net Weight (Piece)	4.850 kg
Catalog Number	523–000100–05
Catalog Number Description	eW Blast Powercore gen4, 4000 K, 100 – 277 VAC, 6° Native (no spread lens), Black housing

IP 66

Dimensional drawing

337.8 mm (13.2 in)
166.1 mm (6.5 in)
183.7 mm (7.2 in)
120.1 mm (4.72 in)
171.2 mm (6.74 in)
Ø 88.9 mm (3.5 in)
4 x Ø 5 mm (0.2 in)
166 mm (6.5 in)
44.7 mm (1.7 in)
99.8 mm (3.9 in)

BCP481 36xLED–HB/4000K 100–277V BK

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www.lighting.philips.com

2022, September 15 – data subject to change