PHILIPS Lighting

eW Blast Powercore gen4

BCP481 36xLED-HB/4000K 100-277V BK

4000 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 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 aluminum 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°
FCC mark	FCC Class B
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
Mounting device	Baseplate
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear

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Color	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
Vibration Rating	Complies with ANSI C136.31, 3G

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)

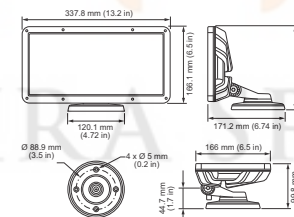|	
Lumen Maintenance 50% at 25°C Calculated	100000
Lumen Maintenance 50% at 25°C Reported	51000
Lumen Maintenance 50% at 50°C Calculated	100000
Lumen Maintenance 50% at 50°C Reported	51000
Lumen Maintenance 70% at 25°C Calculated	84000
Lumen Maintenance 70% at 25°C Reported	51000
Lumen Maintenance 70% 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	912400134979
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	2
Material Nr. (12NC)	912400134979
Net Weight (Piece)	4.146 kg

Dimensional drawing

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