PHILIPS

Lighting



eW Blast Powercore gen4

eW Blast Powercore gen4, 3000 K, 100 – 277 VAC, 6° Native (no spread lens), White 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	White

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	915344

Initial performance (IEC compliant)

Initial luminous flux (system flux)	3213 lm
Initial LED luminaire efficacy	67.4 lm/W
Init. Corr. Color Temperature	3000 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

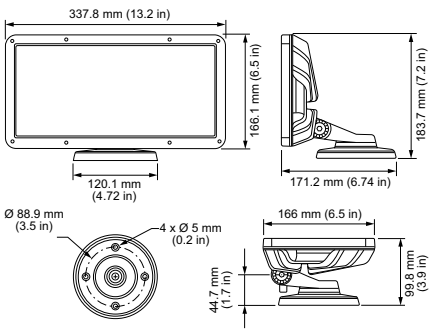
Ambient temperature range	-40 to +50 °C

Product data

Full product code	871829139500399
Order product name	BCP481 36xLED-HB/3000K 100-277V WH
EAN/UPC - Product	8718291395003
Order code	523-000100-24
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	2
Material Nr. (12NC)	912400135496
Net Weight (Piece)	4.850 kg
Catalog Number	523-000100-24
Catalog Number Description	eW Blast Powercore gen4, 3000 K, 100 – 277 VAC, 6° Native (no spread lens), White housing

IP66

Dimensional drawing



BCP481 36xLED-HB/3000K 100-277V WH

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2022, September 15 - data subject to change