eW Blast Powercore gen4, OptiField

eW Blast Powercore gen4, OptiField, 3000 K, White housing

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eW Blast Powercore gen4, OptiField high-performance LED luminaires provide uniform lighting across large surfaces. eW Blast Powercore gen4, OptiField increases application efficiency by directing more light on a specific target and offers a range of accessories that allow for customization, along with the efficiency and cost-effectiveness of Powercore technology in a rugged die-cast aluminium housing.

Product data

General information

Light source color	White
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit with DMX interface
Driver included	Yes
Optical cover/lens type	Clear flat
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
Constant light output	Yes
Accessory PFC	ZCP485

Light technical

Target area uniformity	3.3:1

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
Optical cover/lens material	Tempered glass
Fixation material	Aluminum

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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]
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

Initial performance (IEC compliant)

Initial luminous flux (system flux)	2521 lm
Initial LED luminaire efficacy	52.7 lm/W
Init. Corr. Color Temperature	3000 K
Init. Color Rendering Index	>80
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	871829139503499
Order product name	BCP481 36xLED-HB/3000K 100-277V FTA WH
EAN/UPC – Product	8718291395034
Order code	523-000100-27
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	2
Material Nr. (12NC)	912400135499
Net Weight (Piece)	4.146 kg
Catalog Number	523-000100-27
Catalog Number Description	eW Blast Powercore gen4, OptiField, 3000 K, White housing

IP66 ◼ ⏚

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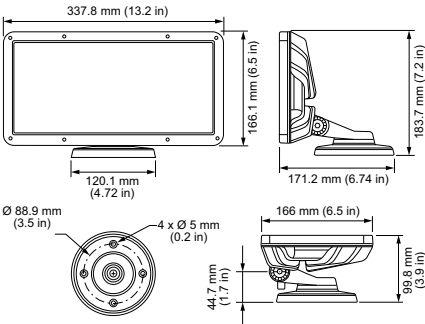
BCP481 36xLED-HB/3000K 100-277V FTA WH

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www.lighting.philips.com

2023, January 17 – data subject to change